



University of  
**Strathclyde**  
**Glasgow**

# General and Programme Regulations for Graduate and Postgraduate Awards and Degrees 2024-25

| Version No. | Description                                                                                | Author                            | Approval | Effective Date |
|-------------|--------------------------------------------------------------------------------------------|-----------------------------------|----------|----------------|
| 1.0         | General and Programme Regulations for Graduate and Postgraduate Awards and Degrees 2024-25 | Quality Enhancement and Assurance | n/a      | 01 Aug 2024    |

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Master of Architecture in Advanced Architectural Design  
Master of Science in Advanced Architectural Studies  
Master of Science in Architectural Design for the Conservation of Built Heritage  
Master of Architecture in Architectural Design (International)  
Master of Science in Sustainability Innovation Leadership  
Master of Science in Urban Design

Postgraduate Diploma in Architectural Studies  
Postgraduate Certificate in Architectural Studies  
Graduate Diploma in Architectural Studies

#### **DEPARTMENT OF BIOMEDICAL ENGINEERING**

Master of Science in Biofluid Mechanics  
Master of Science in Biomedical Engineering  
Master of Science in Biomedical Engineering with Biomechanics  
Master of Science in Biomedical Engineering with Cell and Tissue Engineering  
Master of Science in Medical Devices  
Postgraduate Certificate in Medical Technology  
Master of Science Orthotics Rehabilitation Studies  
Master of Science in Prosthetics and Orthotics Rehabilitation Studies  
Master of Science in Prosthetics and Orthotics  
Master of Science in Prosthetics Rehabilitation Studies  
Master of Science in Rehabilitation Studies

#### **DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING**

Master of Science in Advanced Chemical Engineering  
Master of Science in Process Technology and Management  
Master of Science in Chemical Technology and Management  
Master of Science in Advanced Chemical and Process Engineering  
Master of Science Energy Systems Innovation

#### **DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**

Master of Science in Civil Engineering  
Master of Science in Civil Engineering with Structural Engineering & Project Management  
Master of Science in Civil Engineering with Geotechnical Engineering & Project Management  
Master of Science in Civil Engineering with Geoenvironmental Engineering & Project Management  
Master of Science in Civil Engineering with Water Engineering & Project Management  
Master of Science in Environmental Engineering  
Master of Science in Environmental Entrepreneurship  
Master of Science in Hydrogeology  
Master of Science in Sustainability and Environmental Studies

#### **DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT**

Master of Science in Advanced Manufacturing: Technology and Systems  
 Master of Science in Design Engineering  
 Master of Science in Design Engineering with Sustainability  
 Master of Science in Design Engineering with Advanced Product Development  
 Master of Science in Digital Manufacturing  
 Master of Science in Engineering Management for Process Excellence  
 Master of Science in Global Design Innovation  
 Postgraduate Diploma/Certificate in Global Design Innovation  
 Master of Science in Global Innovation Management  
 Postgraduate Diploma/Certificate in Global Innovation Management  
 Master of Science in Industrial Engineering  
 Master of Science in Lean Six Sigma for Process Excellence  
 Master of Science in Manufacturing Management  
 Master of Science in Mechatronics and Automation  
 Postgraduate Diploma Postgraduate Engineer in Engineering Management (DA)  
 Master of Science in Product Design  
 Master of Science in Supply Chain and Logistics Management  
 Master of Science in Supply Chain and Procurement Management  
 Master of Science in Supply Chain and Sustainability Management  
 Master of Science in Systems Engineering Management  
 Master of Science in Technology Ventures with Design Engineering  
 Master of Science in Technology Ventures with Digital Manufacturing  
 Master of Science in Technology Ventures with Systems Engineering Management  
 Master of Science in Technology Ventures (CMU)

#### **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

Master of Science in 5G Advanced Communications  
 Master of Science in Advanced Electrical Power and Energy Systems  
 Master of Science in Electrical Power and Energy Systems  
 Master of Science in Electronic and Electrical Engineering  
 Master of Science in Autonomous Robotic Intelligent Systems  
 Master of Science in Communications, Control and Digital Signal Processing  
 Master of Science in Communications Technology and Policy  
 Master of Science in Electrical Engineering for Modern Power Systems  
 Master of Science in Electrical Power and Energy Systems  
 Master in Electricity Industry Management and Technology  
 Master of Science in Electronic and Electrical Engineering (January entry)  
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 Master of Science in Future Energy and Power System Operation and Management  
 Master of Science in Machine Learning and Deep Learning (January entry)  
 Master of Science in Machine Learning and Deep Learning (September entry)  
 Master of Science in Renewable Energy and Decarbonisation Technologies  
 Master of Science in Renewable Energy in the Marine Environment with specialism in  
 Offshore Renewables Energy Systems Engineering (Erasmus Mundus)  
 Master of Science in Renewable Energy in the Marine Environment with specialism in Power  
 Electronics and Control for Offshore Renewable Energy Systems (Erasmus Mundus)  
 Master of Science in Smart Grids  
 Master of Science in Wind Energy Systems

#### **FACULTY PROGRAMMES**

Master of Science in Advanced Engineering Studies  
 Master of Science in Engineering Project Management (Online)  
 Master of Science in Engineering Project Management  
 Master of Science in Sustainable Engineering

Advanced Construction Technologies and Building Information Management  
Chemical Processing  
Marine Technology  
Offshore Renewable Energy  
Renewable Energy Systems and the Environment

#### **DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING**

Master of Science in Advanced Materials Engineering  
Master of Science in Advanced Mechanical Engineering (online)  
Master of Science in Advanced Mechanical Engineering with Industrial Placement  
Master of Science in Advanced Mechanical Engineering  
Master of Science in Advanced Mechanical Engineering with Aerospace  
Master of Science in Advanced Mechanical Engineering with Energy Systems  
Master of Science in Advanced Mechanical Engineering with Materials  
Master of Science in Advanced Mechanical Engineering with Power Plant Technologies

#### **DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING**

Master of Science in Advanced Naval Architecture  
Master of Science in Marine Engineering with Specialisation in Autonomous Marine Vehicles  
Master of Science in Marine Engineering  
Master of Science in Offshore Energy Transition  
Master of Science in Offshore Floating Systems  
Master of Science in Offshore Wind Energy  
Master of Science in Ship and Offshore Structures  
Master of Science in Ship and Offshore Technology  
Postgraduate Diploma in Ship and Offshore Technology  
Postgraduate Certificate in Ship and Offshore Technology  
Master of Science in Subsea and Pipeline Engineering  
Master of Science in Technical Ship Management

#### **FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

##### **CENTRE FOR LIFELONG LEARNING**

Master of Science in Genealogical, Palaeographic and Heraldic Studies  
Postgraduate Certificate in Safety and Risk Management Leadership  
Master of Science in Safety and Risk Management

##### **STRATHCLYDE INSTITUTE OF EDUCATION**

Master of Science in Applied Educational and Social Research  
Strathclyde Institute of Education Programmes:  
Autism  
Children and Young People's Literacy, Language & Literature  
Early Years Pedagogy  
Education Studies  
Inclusive Education  
Educational Leadership  
Professional Practice  
Specialist Qualification for Headship (Into Headship)  
Philosophy with Children  
Supporting Bilingual Learners in the Mainstream Classroom  
Supporting Teacher Learning  
The Creative Child & the Creative Practitioner

Health, Wellbeing and Sustainability  
Postgraduate Certificate in Education (International)  
Postgraduate Certificate in Educational Issues and Impact  
Postgraduate Certificate in Educational Issues, Impact and Immersion  
Postgraduate Certificate in Engineering Stem Learning  
Postgraduate Diploma in Gaelic Immersion for Teachers  
Postgraduate Certificate in Leading Learning & Transformative Practice in Colleges (with TQFE)  
Master of Science in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People  
Postgraduate Certificate in Researcher Professional Development  
Postgraduate Certificate in Learning and Teaching in Higher Education  
Postgraduate Certificate in Social Research Methods  
Master of Science in TESOL and Intercultural Communication

### **DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY**

Master of Science in Data Science for Politics and Policymaking  
Master of Laws in International Relations, Law and Security  
Master of Science in International Relations, Law and Security  
Master of Science in International Relations  
Master of Science in Political Economy  
Master of Science in Political Research  
Master of Science in Politics  
Master of Science in Politics with Specialisation in  
    European Politics  
    Comparative Politics  
Master of Science in Public Policy

### **DEPARTMENT OF HUMANITIES**

Master of Science in Applied Gender Studies (Research methods)  
Master of Science in Applied Gender Studies  
Master of Science in Applied Translation and Interpreting  
Master of Science in Applied Translation  
Master of Letters in Creative Writing  
Master of Letters in Digital Journalism  
Master of Letters in Digital Journalism with a specialisation in  
    Journalism, Ethics and Trauma  
    Political Communication  
    Health Communication  
Master of Science in Diplomacy and International Security  
Master of Science in Health History  
Master of Science in Historical Studies  
Master of Letters in Interdisciplinary English Studies  
Master of Letters in Media and Communication  
Master of Letters in Media and Communication with a specialisation in  
    Political Communication  
    Journalism, Ethics and Trauma  
    Health Communication

### **STRATHCLYDE LAW SCHOOL**

Master of Laws in Competition Law with specialisation in  
    Private Enforcement  
    Digital Economy

Competition Law and the State  
 Master of Laws in Construction Law  
 Master of Laws in Criminal Justice & Penal Change  
 Master of Science in Criminal Justice & Penal Change  
 Master of Laws in Global Environmental Law and Governance  
 Master of Laws in Global Environmental Law and Governance with a specialisation in Ocean Law  
 Master of Laws in Human Rights Law  
 Master of Laws in Information Technology and Telecommunications Law  
 Master of Laws in International Commercial Law  
 Master of Laws in International Commercial Law with a specialisation in Financial Regulation  
 Master of Laws in Law  
 Master of Laws in Law of the Sea, Sustainable Development and International Law  
 Master of Laws in Law, Technology and Innovation  
 Master of Science in Law, Technology and Innovation  
 Master of Laws in Legal Research Skills and Methods  
 Master of Science in Legal Research Skills and Methods  
 Master of Laws in Mediation and Conflict Resolution  
 Master of Science in Mediation and Conflict Resolution  
 Master of Laws in Professional Legal Practice  
 Postgraduate Diploma in Professional Legal Practice  
 Postgraduate Diploma in Professional Mediation

#### **DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH**

Master of Science Adolescent Mental Health and Resilience  
 Master of Science in Clinical Health Psychology  
 Master of Science in Counselling and Psychotherapy  
 Master of Science in Applied Psychology  
 Master of Science in Person-Centered Counselling & Psychotherapy  
 Master of Science in Physical Activity in NCD Prevention and Control  
 Master of Science in Psychology with a specialisation in Business  
 Master of Science in Psychology with a specialisation in Health  
 Master of Science in Research Methods in Psychology  
 Master of Science in Sport Data Analytics

#### **DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY**

Master of Science in Advanced Residential Child Care  
 Master of Science in Child and Youth Care Studies  
 Postgraduate Certificate in Children and Young People in Conflict with the Law  
 Master of Science in Criminology and Social Policy  
 Master of Science in Criminology (Research Methods)  
 Master of Science in Family Therapy and Systemic Practice  
 Master of Science in Health & Social Policy  
 Master of Science in International Social Welfare  
 Postgraduate Certificate in Mental Health Social Work (Mental Health Officer Award)  
 Postgraduate Certificate in Relative Matters – Good Practice in Kinship Care  
 Postgraduate Certificate in Securing Children's Futures  
 Master of Science in Social Policy (Research Methods)  
 Master of Science in Social Policy  
 Master of Science in Social Work (Research Methods)  
 Master of Science in Social Work

#### **STRATHCLYDE BUSINESS SCHOOL**

## **DEPARTMENT OF ACCOUNTING AND FINANCE**

Master of Science in Finance and Management  
Master of Science in Finance  
Master of Science in Financial Technology (FinTech)  
Master of Science in International Accounting and Finance  
Master of Science in International Banking and Finance  
Master of Science in Investment and Finance  
Master of Science in Sustainable Finance

## **DEPARTMENT OF ECONOMICS**

Master of Science in Applied Economics  
Master of Science in Applied Economics (online)  
Master of Science in Economics and Finance  
Master of Science in Economics and Policy of Energy and Climate Change

## **FACULTY PROGRAMMES**

Master of Business Administration (2023/24 only)  
Master of Business Administration (Executive) (2023/24 only)  
Master of Business Administration (2023/24 only) with Specialisation  
    Shipping  
    Sustainable Energy Futures  
Master of Business Administration (2024/25 entry onwards)  
Master of Business Administration (Executive) (2024/25 entry onwards)  
Master of Business Administration (2024/25 entry onwards) with Specialisation  
    Shipping  
    Sustainable Energy Futures  
Master of Science in Digital Transformation  
Master of Science in Health and Care Leadership  
Master of Science in Sales and Marketing  
Master of Science in Strategic Financial Technology (Fintech)  
Master of Science in Sustainability  
Master of Science in Sustainability with a Specialisation in\*  
    Novel Economic Approaches for Sustainability  
    Business Management and Operational Challenges  
    Social Inequalities and Policy  
    Environment, Resources and Health

## **HUNTER CENTRE FOR ENTREPRENEURSHIP**

Master of Science in Business and Management  
Master of Science in Entrepreneurship, Innovation and Technology  
Master of Science in International Management  
Master of Science in Project Management and Innovation

## **DEPARTMENT OF MANAGEMENT SCIENCE**

Master of Science in Business Analysis and Consulting  
Master of Science in Business Analysis and Consulting (online)  
Master of Science in Data Analytics  
Master of Science in Health Analysis, Policy & Management  
Master of Science in Operational Research  
Master of Science in Project Management (International)

## **DEPARTMENT OF MARKETING**

Master of Science in Digital Marketing Management  
Master of Science in International Marketing  
Master of Science in Marketing  
Master of Science in Tourism Marketing Management

## **DEPARTMENT OF WORK, EMPLOYMENT AND ORGANISATION**

Master of Science in Human Resource Management  
Master of Science in Human Resources and International Management  
Master of Science in International Human Resource Management  
Master of Science in Work and Organisational Psychology  
Master of Science in Occupational Psychology

## **FACULTY OF SCIENCE**

### **DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES**

Master of Science in Advanced Computer Science  
Master of Science in Advanced Software Engineering  
Master of Science in Advanced Computer Science with Artificial Intelligence  
Master of Science in Advanced Computer Science with Data Science  
Master of Science in Artificial Intelligence and Applications  
Master of Science in Cyber Security (Graduate Apprenticeship)  
Master of Science in Cyber Security  
Master of Science in Digital Health Systems (IMU)  
Master of Science in Digital Health Systems  
Master of Science in Information and Library Studies  
Master of Science in Information Management  
Master of Science in Software Development

### **FACULTY PROGRAMMES**

Master of Science in Advanced Science

### **DEPARTMENT OF MATHEMATICS AND STATISTICS**

Master of Science in Actuarial Science  
Master of Science in Applied Mathematical Sciences  
Master of Science in Applied Statistics  
Master of Science in Applied Statistics (Online)  
Master of Science in Applied Statistics in Health Sciences  
Master of Science in Applied Statistics in Health Sciences (Online)  
Master of Science in Applied Statistics with Data Science  
Master of Science in Applied Statistics with Data Science (Online)  
Master of Science in Applied Statistics in Finance  
Master of Science in Applied Statistics in Finance (Online)  
Master of Science in Quantitative Finance

### **DEPARTMENT OF PHYSICS**

Master of Science in Advanced Physics  
Master of Science Applied Physics  
Master of Science in Industrial Photonics  
Master of Science in Nanoscience  
Master of Science in Photonics  
Master of Science in Quantum Technologies



## **DEPARTMENT OF PURE AND APPLIED CHEMISTRY**

Master of Science in Chemistry with Artificial Intelligence  
Master of Science in Chemistry with Data Science  
Master of Science in Forensic Science  
Postgraduate Certificate in Fundamentals in Forensic Science  
Master of Science in Optical Medical Imaging Entrepreneurship

## **STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

Master of Science in Advanced Clinical Pharmacy Practice  
Master of Science in Advanced Clinical Pharmacy Practice with Practice Certificate in Independent Prescribing  
Practice Certificate in Independent Prescribing  
Master of Science in Advanced Drug Delivery  
Master of Science in Advanced Pharmaceutical Manufacturing  
Master of Science in Biomedical Sciences  
Master of Science Advanced Immunology  
Master of Science Advanced Pharmacology  
Master of Science Advanced Biochemistry  
Master of Science Molecular Microbiology  
Master of Science Neuroscience and Mental Health  
Master of Science in Cancer Therapies  
Master of Science in Clinical Pharmacy  
Master of Science in Industrial Biotechnology  
Master of Science in Pharmaceutical Analysis  
Master of Science in Pharmaceutical Quality and Good Manufacturing Practice

## **POSTGRADUATE STUDY AND RESEARCH – GENERAL REGULATIONS**

### **FACULTY OF ENGINEERING**

#### **DEPARTMENT OF ARCHITECTURE**

Master of Research in Building Design and Management for Sustainability

#### **DEPARTMENT OF BIOMEDICAL ENGINEERING**

Master of Research in Biofluid Mechanics  
Master of Research in Biomedical Engineering  
Master of Research in Biomedical Engineering with Biomechanics  
Master of Research in Biomedical Engineering with Cell and Tissue Engineering  
Doctor of Engineering in Medical Devices  
Master of Science in Medical Devices  
Master of Research in Medical Technology

#### **DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**

Master of Research in Climate Change Adaptation  
Master of Research in Geoenvironmental Engineering  
Master of Research in Integrated Pollution Prevention and Control  
Doctor of Philosophy in Nuclear Engineering

## **DEPARTMENT OF DESIGN MANUFACTURE AND ENGINEERING MANAGEMENT**

Doctor of Engineering in Advanced Manufacturing: Forging and Forming  
Master of Science in Advanced Manufacturing: Forging and Forming  
Doctor of Engineering in Systems Engineering Management

## **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

Doctor of Engineering in Applied Photonics  
Doctor of Philosophy in Applied Photonics  
Master of Research in Future Power Networks and Smart Grids  
Doctor of Philosophy in Renewable Energy Systems  
Doctor of Engineering in Ultrasonic Engineering  
Doctor of Philosophy with Integrated Study in Ultrasonic Engineering  
Master of Research in Wind Energy Systems

## **FACULTY PROGRAMMES**

Master of Research in Engineering  
Doctor of Engineering in Non-Destructive Evaluation

## **DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING**

Doctor of Engineering in Offshore Renewable Energy  
Doctor of Engineering in Renewable Energy Marine Structures  
Doctor of Engineering in Wind & Marine Energy Systems & Structures

## **FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

### **SCHOOL OF EDUCATION**

Doctorate of Education  
Doctorate of Education with specialism in Supporting Teacher Learning  
Doctorate of Education with specialism in Philosophy with Children  
Doctorate of Education with specialism in Autism  
Doctorate of Education with specialism in Early Years Pedagogue  
Doctorate of Education with specialism in Inclusive Education  
Doctorate of Education with specialism in Educational Leadership  
Doctorate of Education with specialism in Digital Technology  
Doctorate of Education with specialism in Bilingual Education  
Doctorate of Education with specialism in Philosophy and Culture

### **FACULTY PROGRAMMES**

Master of Research in  
Creative Writing  
English  
French  
History  
Italian  
Journalism  
Spanish  
Physical Activity for Health  
Speech and Language Sciences

Professional Doctorate in Advanced Practice  
Professional Doctorate in Advanced Practice with specialisations in

Health  
Social Work  
Social Policy and Criminal Justice  
Law  
Law, Crime & Justice  
Environmental Law & Governance  
Competition Law  
Internet Law & Policy Law  
Public Law

## **SCHOOL OF PSYCHOLOGICAL SCIENCES AND HEALTH**

Doctor of Educational Psychology

## **STRATHCLYDE BUSINESS SCHOOL**

### **FACULTY PROGRAMMES**

Doctor of Business Administration

Master of Research in Research Methodology in Business and Management

## **FACULTY OF SCIENCE**

### **DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES**

Doctor of Information Science (DInfSci)

### **DEPARTMENT OF MATHEMATICS AND STATISTICS**

Master of Research in Mathematical Sciences

### **DEPARTMENT OF PHYSICS**

Doctor of Philosophy in Applications of Next Generation Accelerators

Master of Research in Physics

Master of Research in Physics (in specific research area)

### **DEPARTMENT OF PURE AND APPLIED CHEMISTRY**

Doctor Of Philosophy with Integrated Study in Pure and Applied Chemistry

## **STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

Doctor of Philosophy for Research plus Postgraduate Certificate in Learning and Teaching in Higher Education

Doctor of Pharmacy



University of  
**Strathclyde**  
**Glasgow**

## **General Academic Regulations** (Regulations Specific to a Particular Level of Study)

### *Postgraduate Taught Degree Programme Level*

| <b>Version No.</b> | <b>Description</b>                                                                                                                                                                                   | <b>Author</b>    | <b>Approval</b> | <b>Effective Date</b>    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|--------------------------|
| 1                  | General Regulations for Postgraduate Students                                                                                                                                                        | QEAT             | Senate          | Sept 2021 for AY 2021/22 |
| 2                  | Addition of para on Admissions, correction of period of study, other minor amendments                                                                                                                | QEAT             | Senate          | June 2021/22             |
| 3                  | Para 85 add link to new Student Discipline Procedures                                                                                                                                                | QEAT             | N/A             | 12 Sept 2022             |
| 4                  | Para 37 clarification of no of attempts to pass a module                                                                                                                                             | QEAT             | Senate          | Sept 2023                |
| 5                  | Table 1 Period of Study – changes to reflect practice<br>Para 32 clarification of what mark is used to calculate the credit weighted average<br>Table 3 Classification – changes to reflect practice | QEAT             | Senate          | AY 2024/25               |
| 6                  | Minor changes to clarify that motivational merits and distinctions are not available at postgraduate level of study                                                                                  | AFWG & QEAT      | Senate          | AY 2024/25               |
| 7                  | Para 98 replace “pass” with “award”                                                                                                                                                                  | QEAT & Faculties | QAC OOC         | March 2025               |

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## **Glossary of Terms**

|                                     |                                                                                                                                                                                                                       |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Academic Suspension</i>          | An interruption of studies for an individual, on academic grounds.                                                                                                                                                    |
| <i>Board of Examiners</i>           | A committee responsible for considering and approving module results, making student progression decisions or determining eligibility for awards.                                                                     |
| <i>Board of Study</i>               | A Faculty's senior academic committee, which makes recommendations directly to Senate and takes some decisions on behalf of Senate via delegated authority.                                                           |
| <i>Compensation</i>                 | Where a student has failed to attain the pass mark in a module, they may, in specific circumstances, be granted a pass by compensation.                                                                               |
| <i>Compulsory module</i>            | A module which <i>must</i> be taken as part of the programme curriculum.                                                                                                                                              |
| <i>Department</i>                   | Academic Departments within each Faculty.                                                                                                                                                                             |
| <i>Elective module</i>              | A module <i>freely chosen</i> by a student from programmes offered by the University.                                                                                                                                 |
| <i>Faculty</i>                      | The University of Strathclyde has four faculties: <ul style="list-style-type: none"> <li>• Engineering</li> <li>• Humanities and Social Sciences</li> <li>• Science</li> <li>• Strathclyde Business School</li> </ul> |
| <i>Optional module</i>              | A module chosen by a student from a list <i>defined</i> in a programme curriculum.                                                                                                                                    |
| <a href="#"><u>PEGASUS</u></a>      | An online portal which provides a number of services for students and staff members.                                                                                                                                  |
| <i>Programme Handbook</i>           | Guide detailing specific programme-related Information.                                                                                                                                                               |
| <i>Programme Regulations</i>        | Specific requirements for individual programmes of study.                                                                                                                                                             |
| <i>Reattend</i>                     | This is a decision which is only taken in exceptional circumstances and it permits students to repeat their year of study.                                                                                            |
| <i>Registration with Attendance</i> | An option for students who are required to spend the session in Academic Suspension.                                                                                                                                  |
| <i>Senate</i>                       | The academic governing body within the University, responsible for all academic matters including academic standards and quality.                                                                                     |

|                                              |                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                              |                                                                                                                                                                                                                                                                                                                                    |
| <a href="#"><u>Regulations</u></a>           | <p>The Regulations describe the remit and composition of various University committees; regulate the academic work of the University, the education and discipline of its students, and such other matters as lie within the functions of Senate.</p> <p>These Regulations stand separate to the General Academic Regulations.</p> |
| <a href="#"><u>University Ordinances</u></a> | Regulatory document providing details on the way in which the University is governed.                                                                                                                                                                                                                                              |
| <a href="#"><u>Voluntary Suspension</u></a>  | A voluntary interruption of studies for an individual who is otherwise qualified for continued study.                                                                                                                                                                                                                              |

## **LIST OF AWARDS**

1. The University confers the following awards by the authority of the Senate under [Ordinance 3](#):
  - a. Master in Management (MiM)
  - b. Master of Architecture (MArch)
  - c. Master of Arts (MA)
  - d. Master of Business Administration (MBA)
  - e. Master of Communications Management (MCM)
  - f. Master of Education (MEd)
  - g. Master of Environmental Studies (MEnvS)
  - h. Master of Laws (LLM)
  - i. Master of Letters (MLitt)
  - j. Master of Science (MSc)
  - k. Master of Technology Management (MTM)
  - l. Postgraduate Diploma (PgDip)
  - m. Postgraduate Certificate (PgCert)

## **CONTEXT**

2. In interpreting these General Academic Regulations, regard should be given to the University's [Academic Policies and Procedures](#) and, where appropriate, Programme Handbooks.
3. Students should also read these General Academic Regulations in conjunction with the University's [Constitutional Regulations](#) which set out specific requirements for individual programmes of study.
4. Where reference is made to information in Programme Handbooks, the relevant Board of Study shall have approved such information or have delegated authority to Faculty Academic Committee to do so.
5. Boards of Examiners are assigned to one (or more) programmes and are responsible for ratifying student results and for making recommendations to the Board of Study. All decisions taken by Boards of Examiners, acting on behalf of the relevant Board of Study, shall subsequently be reported to that Board of Study.
6. Senate delegates authority to Boards of Examiners to make decisions on student outcomes.
7. In the unlikely event of any conflict between these General Academic Regulations and other University publications, including Programme Handbooks, the Regulations take precedence.

## **DEFINITION OF AWARDS**

### *Masters Degree*

8. The degree of Master is awarded after completion of taught programmes, programmes of research or a mixture of both.

### *Postgraduate Certificate (PG Cert) and Postgraduate Diploma (PG Dip)*

9. These qualifications are located at the same academic level as Master's degrees in the Qualifications Frameworks but involve a lower overall volume of learning (and credit where credit is used). They are often used in the context of initial and continuing professional



development. Master's degrees may incorporate progression through postgraduate certificate and diploma stages.

## **JOINING THE UNIVERSITY**

### **Admission**

10. The University's [Admissions Policy](#) sets out the key areas for consideration when setting the admission criteria for a programme, including academic and professional qualifications, work experience, English language requirements, etc.
11. A number of programmes have multiple starting points throughout the academic year. Programmes with multiple starting points may have different programme structures and progression requirements dependent on the student's starting point. Students registering for these programmes should contact their departments to clarify the structure and progression arrangements for these programmes. A list of the programmes that fall within the parameters above are listed on the academic regulations' web page<sup>1</sup>.

### **Recognition of Prior Learning**

12. Recognition of Prior Learning is the process for recognising learning that has its source in experience and/or previous formal, non-formal, and informal learning contexts.
13. The University's Policy on the Recognition of Prior Learning deals with how prior learning can be recognised to allow exemption from specific modules of a Strathclyde programme and/or to allow advanced entry leading to a Strathclyde award or qualification.
14. Recognition of Prior Learning is normally applied for at the point of admission. Please refer to the [University's Policy on Recognition of Prior Learning](#) for further information.

### **Period of Study**

15. Standard minimum and maximum registration periods are set out below:

**Table 1**

| Award                    | Full Time (Months) |                  | Part Time (Months) |                  |
|--------------------------|--------------------|------------------|--------------------|------------------|
|                          | Minimum Duration   | Maximum Duration | Minimum Duration   | Maximum Duration |
| Postgraduate Certificate | 6                  | 12               | 9                  | 24               |
| Postgraduate Diploma     | 9                  | 24               | 21                 | 48               |
| Master's                 | 12                 | 36               | 24                 | 60               |

16. Exceptionally, the maximum period of study may be extended by Supervisor and Head of Department/School.

### **Mode of Study**

17. Programmes may be offered on a full-time and/or part-time basis however part-time study is not available to certain groups, such as visa holding students.

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<sup>1</sup> Please click [here](#) to see the full list of programmes.

18. At the discretion of the relevant Board of Study, on the recommendation of the relevant Head of Department (or their nominee), a student may transfer from full-time to part-time study and vice-versa where an appropriate programme is available. At this time, the relevant minimum and maximum periods of study will be reviewed. For some students, transfer from full-time to part-time study will be prohibited, in line with UK Visa & Immigration (UKVI) compliance requirements.
19. Part-time students will follow a pattern of working in line with that of full-time students, on a pro-rata basis.

### **Place of Study**

20. Except where the Senate has approved distance learning arrangements for off-campus study, modules shall normally be undertaken within the University or within an institution or agency approved by the Senate for this purpose.
21. A student may undertake part of their study in an [approved institution abroad](#), according to an approved curriculum. Normally only one such study period is permitted.

### **Registration Status**

22. Students must register for their programme and remain registered for the duration of their study. A student's registration status is subject to change in certain circumstances (see paragraph 74).

## **UNIVERSITY EXPECTATIONS**

### **Engagement**

23. Every student registered for a programme of study shall be required to engage in required elements regularly and to perform to a satisfactory standard.
24. A student has an obligation to inform the University, at the first reasonable opportunity, of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.
25. In cases where a student is found to not be attending required elements of programmes of study, and/or is failing to perform satisfactorily, they may be considered by the appropriate Board of Study for withdrawal of registration from the University on the basis of a lack of engagement and/or satisfactory academic performance.
26. In some cases, a Programme Director (or their nominee) may recommend to the Vice-Dean (Academic) that students are not permitted to take elements of the programme, where they are considered not to be appropriately engaging or performing satisfactorily. Decisions taken by the Vice-Dean (Academic) are ratified by the Board of Study. In such cases, students will be informed of this decision in writing. A student in this position may subsequently be permitted by the Programme Director (or their nominee) to undertake the missed element of the programme at the next available

opportunity. This will be dependent on satisfactory attendance, engagement and performance.

### **Assessment**

27. It is important that the nature of assessment is fully communicated to students via a range of materials.
28. A student shall complete the assessments during the academic year in which the modules were undertaken unless permitted by the relevant Board of Study to postpone the assessment or where alternative arrangements have been made in line with the University's [Policy for Flexible Learning Arrangements](#).
29. Students are required to pass written and oral examinations and to perform to the satisfaction of the Board of Examiners in the relevant coursework. In the case of students on the degree of Master, this includes in the dissertation or project.
30. The relevant Board of Examiners may exceptionally permit alternative forms of re-assessment for a module where they consider it to be in a student's interests.
31. Taught modules shall be assessed by a range of methods of summative assessment:
32. The [University Assessment and Feedback Policy](#) sets guidelines applicable to both undergraduate and postgraduate programmes.
33. For all modules at all Levels, unless otherwise stated, there will be a diet of formal assessment at the end of each semester and a re-sit diet. The module mark gained at the first attempt will be the mark used when calculating the credit weighted average.
34. Except where a programme includes an integrative/reflective module that will draw on work in other modules, each item of work may only be assessed in one module.
35. Unless prior authority of the relevant Board of Study has been given, a student who fails to satisfy the Board of Examiners at the first assessment for a module shall undertake re-assessment at the first available opportunity.
36. At the discretion of the relevant Board of Examiners or Programme Director, students may be required to attend and participate in an oral examination. Exceptionally, this may be in place of the normal assessment for the relevant module(s). This does not permit a borderline student to be given an oral examination by an External Examiner.
37. The Board of Examiners may exceptionally permit alternative forms of re-assessment for a module where they consider it to be in a student's interest.
38. A student who satisfies the attendance and performance requirements but fails to satisfy the Board of Examiners in respect of any of the assessments within a module at the first diet of assessment may be permitted one further attempt (a maximum of two attempts in total) to pass the relevant assessment. Students should ensure they have declared any personal circumstances as per the [Personal Circumstances and Academic Appeals Procedure](#).

39. The relevant Board of Study, acting on the recommendation of the Board of Examiners, may discount an attempt for a module(s) where appropriate evidence has been provided.

### **Dissertations**

40. Where a dissertation is required, a student will normally be expected to have performed to the satisfaction of the Board of Examiners in the taught components of the programme before being permitted to proceed to the dissertation. The nature of some programmes means that the student will begin working on the dissertation before all taught elements of the programme have been completed.
41. The dissertation shall be of a length and standard approved by the Board of Study and shall normally be submitted by a date approved by the Board of Study and published in the appropriate Programme Handbook.
42. Any dissertation submitted must be written in English. Exceptionally, the Board of Study concerned, acting on behalf of Senate, may permit submission in another language. In such a case, as a minimum, a translation of the abstract into English must accompany the dissertation.

## **PROGRAMME STRUCTURE**

### **Curriculum**

43. The curriculum of a programme may be comprised of compulsory, optional and/or elective modules.
44. Each student must follow the curriculum as prescribed in the relevant Programme Regulations. These will be published on an annual basis by the Senate on the recommendation of the relevant Board of Study.
45. Individual modules shall be assigned a level based on expected learning outcomes and a credit rating based on the volume of learning required.
46. The curriculum of every student must be approved by the relevant Head of Department (or their nominee), or equivalent, acting on behalf of the relevant Board of Study.
47. A pass in all compulsory modules is a necessary condition for award. Where a pass in a particular module is a necessary condition for progression this shall be clearly stated in the relevant programme regulations.
48. Programme delivery, materials, assessed work and oral examinations shall be in English unless stated otherwise in individual Programme Regulations.

### **Selecting Optional Modules**

49. The curriculum for a programme shall be set out in the Programme Regulations and shall indicate which modules are compulsory and which are optional.

50. Where unlisted optional modules may be chosen as part of the curriculum, the approval of the Head of Department (or their nominee) responsible for offering each module is also required.
51. The University cannot guarantee that all optional or elective modules will be available in any given academic year. The choice of modules may be subject to constraints of timetabling and may also be influenced by professional requirements as well as by a student's entrance qualifications or pre-requisite modules passed.

### **Credit Structure**

52. The university employs a credit structure based on multiples of 20. The structure of taught programmes shall normally accord with those set out below:

**Table 2**

| <b>Award</b>             | <b>Credit Requirements</b> | <b>Minimum Level Requirement</b> |
|--------------------------|----------------------------|----------------------------------|
| Postgraduate Certificate | 60                         | 50 credits at Level 5            |
| Postgraduate Diploma     | 120                        | 100 credits at Level 5           |
| Master's Degree          | 180                        | 150 credits at Level 5           |

53. For a typical student, one credit equates to approximately 10 notional hours of learning.
54. Programmes may specify a minimum number of credits greater than those given in the table above. This shall be stated in individual Programme regulations.

### **Exceptions to the Standard Credit Structure**

55. There are exceptions to the 'multiples of 20' structure based on multiples of 10, such as programmes structured to meet professional accreditation requirements, graduate apprenticeships programmes, and programmes where a pedagogical case has been approved. These exceptions are approved by Senate and full details are available in the relevant Programme Regulations.
56. In certain circumstances, for example to meet professional accreditation requirements, the credit requirement may exceed the standard framework.

### **Award of Credits**

57. A mark of 50% in Level 5 modules is deemed a clear pass.

### **Progression**

58. At all stages of the programme, a student must achieve an approved standard of performance with regard to level of study and academic attainment specified in the Programme Handbook.

59. The progress of every student shall be determined by the relevant Board of Examiners although the Board shall defer consideration of progress or award for any student currently involved in disciplinary proceedings.
60. Progress requirements for a programme available on a part-time basis shall be detailed in individual Programme Regulations.
61. Credits in particular modules required for progress shall be detailed in individual Programme Regulations.
62. Details of any required minimum level of performance to permit a student to progress from Certificate to Diploma and from Diploma to Master's are shown in individual Programme Regulations.
63. A full-time Master's student may be required to accumulate a minimum of 90 taught credits in order to progress to the next stage of their programme.
64. Students on the degree of Master will normally be expected to perform to the satisfaction of the Board of Examiners on the taught components of the programme before being permitted to proceed to the project and/or dissertation.
65. A student who is deemed to have failed the dissertation will not normally be permitted a further attempt at passing the module. At the discretion of the Board of Examiners, a maximum of one additional attempt may be permitted and this will be dependent on overall performance and will be subject to the approval of the Board of Examiners. In such cases, re-submission shall normally be within one year of the first submission date.
66. A student may be subject to a restriction in the number of modules that may be re-assessed.

### **Compensation Scheme**

67. Where a student has failed to attain the pass mark in a module they may, in line with the University's [Policy on Compensation Scheme](#), be granted a pass by compensation. The relevant Programme Handbook contains further details.
68. For the avoidance of doubt, a pass by compensation shall be regarded as a pass.

### **Restricted Examination Attendance**

69. 'Restricted Examination Attendance' is referred to as NQ (Not Qualified) in some Faculties.
70. When a student does not satisfy engagement and performance requirements of a module, they shall not be entitled to take the assessment. The decision will be made by the Head of Department/School and the relevant Vice Dean (Academic) or nominee. The student shall be informed of this in writing.

71. A student who is deemed to have failed a taught module shall normally have one further opportunity to be re-assessed on a similar basis or by such other means as the Department offering the module may decide. The nature of re-assessment shall be identified in module descriptors and/or Programme Handbooks. The attempt shall normally be made at the next available diet of examinations.
72. Boards of Examiners may exceptionally permit alternative forms of re-assessment for a module where they consider it to be in a student's interest. The Board of Examiners may also require the student to re-attend the module.
73. The Board of Examiners may discount an attempt for a module where appropriate medical or other evidence has been provided, subject to report to the relevant Board of Study.

## **CHANGES TO REGISTRATION STATUS**

### **Transfer of Registration**

74. On the recommendation of the relevant Head of Department (or their nominee), the Board of Study may approve transfer of a student's registration between:
  - a. Masters degree; or
  - b. Postgraduate Diploma; or
  - c. Postgraduate Certificateas appropriate, subject to a related programme being available.
75. The Board of Study shall determine what recognition towards the fulfilment of the requirements may be given to the period that the student has completed.
76. Where a student on the degree of Master or Postgraduate Diploma has satisfied the Board of Examiners but requests transfer to the Postgraduate Diploma or Postgraduate Certificate, the Board of Study, acting on behalf of Senate and in accordance with the recommendation of the Head of Department or Programme Director or Board of Examiners, may:
  - a. permit registration to be transferred to Postgraduate Diploma or Postgraduate Certificate programme by instruction (as appropriate), subject to a related programme being available; or
  - b. recommend the award of such a Postgraduate Diploma or Postgraduate Certificate (as appropriate).
77. Where a student has failed to satisfy the Board of Examiners, the Board of Study, acting on behalf of Senate and in accordance with the recommendation of the Board of Examiners, may:
  - a. require that registration be transferred to Postgraduate Diploma or Postgraduate Certificate programme by instruction (as appropriate), subject to a related programme being available; or

- b. suspend a student from attendance at modules but require them to undertake assessments until the required number of credits and necessary passes have been obtained to allow the student to proceed to the next stage/year of the programme; or
  - c. recommend the award of such a Postgraduate Diploma or Postgraduate Certificate (as appropriate); or
  - d. terminate the student's registration and require the student to withdraw.
78. On the recommendation of the relevant Head of Department (or their nominee), the Board of Study may approve transfer of a student's registration between levels of awards (MSc, PGDip & PGCert), subject to a related programme being available. The Board of Study shall determine what recognition towards the fulfilment of the requirements may be given to the period that the student has completed.

### **Suspension**

79. On the recommendation of the relevant Head of Department (or their nominee), the relevant Vice Dean Academic (or nominee) may permit a student to undertake [Voluntary Suspension](#) for the whole or part of an academic year.
80. On the recommendation of the relevant Head of Department (or their nominee), the relevant Vice Dean (Academic) or nominee may determine that a student undertakes a period of Academic Suspension.
81. Both Voluntary Suspension and Academic Suspension have implications for visa holding students.

### **Registration with Attendance**

82. Registration with Attendance may be an option for students who are required to spend the session in Academic Suspension. If their application is successful, they are permitted to attend their failed classes on a part-basis while remaining on a full-time programme.

### **Reattend**

83. In exceptional circumstances, a Reattend decision permits a student to repeat their year of study where the student has not gained sufficient credits to progress to the next stage of the programme or qualify for the aimed award and must reattend the same year of the programme next session.

### **Student Misconduct**

84. The [Student Discipline Procedures](#) seek to ensure that any instances of misconduct (both academic and behavioural) are dealt with fairly and promptly by those with clear authority from the University. The Procedures apply to students who are subject to the discipline of the University as prescribed in the [University Ordinances 5.2](#). A student may be required to withdraw from a programme as a consequence of misconduct. This decision would be taken by a Senate Discipline Committee on behalf of Senate.



### **Unprofessional Conduct**

85. A student may be required to withdraw from a programme as a consequence of [unprofessional conduct](#). Such a decision would be taken by a [Fitness to Practise](#) hearing on behalf of Senate.

### **Withdrawal**

86. A student who is reported to the relevant Board of Study for persistent non-engagement, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw from the programme.
87. Prior to the next scheduled meeting of a Board of Study, the Vice Dean (Academic) or nominee of the relevant Faculty may authorise the termination of a student's registration and require that student to withdraw from their programme where that student has been reported for persistent non-attendance at modules or failure to engage with programme requirements. Such a termination of a student's registration may only be undertaken where:
- a. a significant and persistent failure to attend or engage with programme requirements has been confirmed by the appropriate Department or Programme; and
  - b. the student has been offered appropriate opportunities to redeem their position, including the offer of support in cases of significant personal difficulties as outlined in sections 1.10 and 1.11 of the [Personal Circumstances and Academic Appeals Procedure](#).
88. The Vice Dean (Academic) or nominee will report such a decision to the next scheduled meeting of a Board of Study.
89. Students subject to immigration control are required to hold appropriate permission to stay in the United Kingdom permitting them to study. Where a student does not hold such permission, their registration may be terminated by the Director of Student Experience (or nominee), resulting in a withdrawal.

### **Transfer to Part-time**

90. On the recommendation of the relevant Head of Department (or their nominee), a student may transfer to part-time study, subject to this mode of study being available.

## **OUTCOMES**

### **Board of Examiners**

91. The [Board of Examiners](#) shall consist of not less than four persons, including an External Examiner and academic staff responsible for the conduct of the course. It shall normally be convened by the Programme Director or Head of Department.
92. The Board of Examiners, acting on behalf of Senate, shall ratify one of the following:
- a. award of the appropriate degree, diploma or certificate with distinction; or
  - b. award of the appropriate degree, diploma or certificate with merit; or
  - c. award of the appropriate degree, diploma or certificate; or
  - d. progress to subsequent stages of the programme; or

- e. withholding of the award of the degree or other qualification pending further study or submission/resubmission of assignments.

### **Award**

- 93. A student who satisfies the conditions of the [Ordinances](#) governing the award of postgraduate degrees, diplomas and certificates and of the general and programme regulations will, on payment of the required fees, be entitled to receive the appropriate award.
- 94. To qualify for the award of the degree, a student must have achieved the credit requirements specified in the postgraduate taught credit structure (see paragraph 52) and those of the curriculum as specified in the Programme Regulations. The graduate shall receive a degree parchment setting forth the programme of study in which the degree has been granted and, if appropriate, the classification in which the graduate has been placed.
- 95. A student on a programme which has multiple exit points (e.g. Postgraduate Certificate, Postgraduate Diploma and degree of Master) may only retain one of the possible awards.
- 96. Where a programme of study is undertaken on a part-time basis over a period of more than three years, Senate may approve interim awards that may be retained provided that such awards relate to separately named programmes governed by distinct programme regulations.

### **Classification**

- 97. The Board of Examiners, acting on behalf of Senate, shall ratify one of the following:
  - a. award of the appropriate degree, diploma or certificate with distinction; or
  - b. award of the appropriate degree, diploma or certificate with merit; or
  - c. award of the appropriate degree, diploma or certificate; or
  - d. progress to subsequent stages of the programme; or
  - e. withholding of the award of the degree or other qualification pending further study or submission/resubmission of assignments; or
  - f. transfer or termination of registration.
- 98. In reaching their decision, Boards of Examiners shall have regard to a student's performance against the following criteria for an Award (Aimed, Alternative or Exit Award):
  - a. an award 'with Merit' shall be granted where a student has achieved a credit-weighted average, rounded to the nearest integer, of 60 - 69%,
  - b. an award 'with Distinction' shall be granted where a student has achieved a credit-weighted average, rounded to the nearest integer, of 70 – 100%,
  - c. credit weighted average will be calculated on a minimum of 60 credits using any modules:
    - i. passed at first attempt or by compensation, and
    - ii. with a numerical mark (not pass/fail).

### **Table 3**

| <b>Classification</b>                                                                                                                                                                                          | <b>Credit Weighted Average Mark</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Distinction                                                                                                                                                                                                    | 70 -100                             |
| Merit                                                                                                                                                                                                          | 60 – 69                             |
| Non-Classified                                                                                                                                                                                                 | 50 – 59                             |
| Non-Classified<br>Or<br>For some programmes the award will be dependent on the professional requirements for a particular subject area. Further information is available from the relevant Faculty/Department. | 49 and below                        |

99. The Board of Examiners may require a Masters student who has failed to gain a credit weighted average of 50 or above to transferred to the degree of Postgraduate Diploma. Where a transfer is made, the student may be granted exemption either in whole or in part from the assessments required for that degree. The exemption will only be granted when, in the opinion of the Board of Examiners, evidence of sufficient attainment has been provided. Further information is available from the relevant Faculty/Department.

### **Appeals**

100. The following Appeals Regulations should be read in conjunction with the University's [Personal Circumstances and Academic Appeals Procedure](#).

101. A student who has been:

- a. required to transfer registration; or
- b. suspended from attendance at modules; or
- c. withdrawn

may appeal to the relevant Board of Study for reconsideration of the case.

102. A student may appeal to the relevant Board of Study for reconsideration of a decision. Such an appeal must be submitted - and the outcome of any such appeal must be decided upon - before the student's award is confirmed.

103. The grounds for appeals may be any of the following:

- a. that there were procedural irregularities in the conduct of the examination or of the assessment (including alleged administrative error of such a nature as to cause reasonable doubt as to whether the examiners or the Board of Study would have reached the same conclusion if the alleged error had not been made); or
- b. that there were medical, personal or other circumstances affecting the student's performance of which the examiners or the Board of Study were not aware when their decision was taken; or
- c. that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.

104. An appeal shall be lodged in writing with the relevant Faculty Office no later than a date specified by the Board of Study and notified in the letter informing the student of the transfer of registration or suspension or requirement to withdraw or confirmation of an award.
105. The appeal shall be supported by appropriate documentary evidence not previously available.
106. A student has an ultimate right of appeal to the Senate normally following an unsuccessful appeal to the relevant Board of Study. Such an appeal shall be lodged in writing with the Senate Appeals Committee within six weeks of the date on the Faculty Appeal outcome letter and shall be supported by all the appropriate documentary evidence.
107. The student will have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

### **Making a Complaint**

108. A complaint is any expression of dissatisfaction about an action or lack of action by the University or about the standard of service provided by us or on our behalf. Complaints can provide valuable feedback and influence the enhancement of university services. The University records all complaints and uses them to identify improvements. Please refer to the University's [Complaint's procedures](#).

# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### ADVANCED ARCHITECTURAL DESIGN

**Master of Architecture in Advanced Architectural Design**  
**Postgraduate Diploma in Advanced Architectural Design**  
**Postgraduate Certificate in Advanced Architectural Design**  
**Graduate Diploma in Advanced Architectural Design**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, normally at 2.2 or equivalent.; or
  - ii. an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, and a period of relevant professional practice experience.
  - iii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to the above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Graduate Diploma no fewer than 120 credits from the first year of the programme.
  - ii. for the Postgraduate Certificate no fewer than 60 credits from the second year of the programme.
  - iii. for the Postgraduate Diploma no fewer than 120 credits from the second year of the programme.
  - iv. for the degree of MArch no fewer than 180 credits including project 22900 from the second year of the programme.

**First Year** - All students shall follow an approved curriculum amounting to no fewer than 120 credits as follows:

#### **Compulsory Modules**

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| AB418       | Design Studies 4A | 4     | 20      |

|       |                           |   |    |
|-------|---------------------------|---|----|
| AB419 | Design Studies 4B         | 4 | 40 |
| AB427 | Architecture and the City | 4 | 40 |
| AB421 | Special Study Project 4   | 4 | 20 |

**Second Year** - Students shall follow an approved curriculum amounting to no fewer than 120 credits chosen as follows:

### **Compulsory Modules**

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| AB964       | Design Studies 5A       | 5     | 20      |
| AB965       | Design Studies 5B       | 5     | 40      |
| AB966       | Special Study Project 5 | 5     | 20      |
| AB967       | Cultural Studies 5      | 5     | 20      |
| AB968       | Professional Studies    | 5     | 20      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

### **Students for the degree of MArch only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| 22900       | Project      | 5     | 60      |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- In order to progress to the second year of the programme, a student must have accumulated at least 120 credits including all the first year compulsory modules.
- In addition, a student must have achieved a level of performance that is acceptable to the Programme Leader and as detailed in the Programme Handbook.
- The final award will be based on performance in the first attempt examinations, coursework and the Project where undertaken.

### **Award**

- Degree of MArch:** In order to qualify for the award of the degree of MArch in Advanced Architectural Design, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the second year curriculum, of which 60 must have been awarded in respect of the Project 22900.

11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Architectural Design, a candidate must have accumulated no fewer than 120 credits from the second year taught curriculum, including all the second year compulsory modules.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Architectural Design, a candidate must have accumulated no fewer than 60 credits from the second taught year curriculum.
13. **Graduate Diploma:** In order to qualify for the award of the Graduate Diploma in Architectural Studies, a candidate must have accumulated no fewer 120 credits from the first year curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### ADVANCED ARCHITECTURAL STUDIES

**Master of Science in Advanced Architectural Studies**  
**Postgraduate Diploma in Advanced Architectural Studies**  
**Postgraduate Certificate in Advanced Architectural Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. an Honours degree in Architecture of a university in the United Kingdom; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to the above.
2. Applicants applying in terms of appropriate professional experience may be required to register initially for the Postgraduate Diploma.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### **Compulsory Modules**

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| AB964       | Design Studies 5A       | 5     | 20      |
| AB965       | Design Studies 5B       | 5     | 40      |
| AB966       | Special Study Project 5 | 5     | 20      |
| AB967       | Cultural Studies 5      | 5     | 20      |
| AB968       | Professional Studies    | 5     | 20      |



Such other modules as may be approved by the Programme Leader.

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| 22900       | Dissertation | 5     | 60      |

**Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework and the Project where undertaken.

**Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Architectural Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project 22900.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Architectural Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Architectural Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### ARCHITECTURAL DESIGN FOR THE CONSERVATION OF BUILT HERITAGE

Master of Science in Architectural Design for the Conservation of Built Heritage  
Postgraduate Diploma in Architectural Design for the Conservation of Built Heritage  
Postgraduate Certificate in Architectural Design for the Conservation of Built Heritage

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in Architecture or a discipline related to the built environment of a university in the United Kingdom; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to the above.
2. Applicants applying in terms of appropriate professional experience may be required to register initially for the Postgraduate Diploma.
3. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

5. The programmes are available by full-time and part-time study.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the list below
  - ii. for the Postgraduate Diploma no fewer than 120 credits including those for all modules in the list below
  - iii. for the degree of MSc no fewer than 180 credits including those for all modules in the lists below, and a dissertation project

#### Compulsory Modules

| Module Code | Module Title                                                             | Level | Credits |
|-------------|--------------------------------------------------------------------------|-------|---------|
| AB978       | Theory of Conservation                                                   | 5     | 10      |
| AB979       | Architectural and Construction History                                   | 5     | 10      |
| AB980       | Legislation and Regulations                                              | 5     | 10      |
| AB981       | Survey, Preliminary Studies and Investigations in Architectural Heritage | 5     | 10      |

|                            |                                      |   |    |
|----------------------------|--------------------------------------|---|----|
| AB982                      | Materials and Decay                  | 5 | 10 |
| AB983                      | Conservation Design Project          | 5 | 40 |
| AB984                      | Structural repairs and strengthening | 5 | 10 |
| AB985                      | Conservation Materials Technology    | 5 | 10 |
| Students for the MSc only: |                                      |   |    |
| AB986                      | Dissertation Project                 | 5 | 60 |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

### **Optional Modules**

10 credits chosen from:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| AB936       | Urban Design History            | 5     | 10      |
| AB975       | Sustainability                  | 5     | 10      |
| AB991       | Building Information Management | 5     | 10      |

Students may undertake other optional modules, totalling no more than 10 credits, subject to the approval of the Programme Director.

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Dissertation Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Architectural Design for the Conservation of Built Heritage, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits including all the taught compulsory modules, of which 60 must have been awarded in respect of the Dissertation Project AB986.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Architectural Design for the Conservation of Built Heritage, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, including all the taught compulsory modules.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Architectural Design for the Conservation of Built Heritage, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught compulsory modules.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### ARCHITECTURAL DESIGN (INTERNATIONAL)

#### Master of Architecture in Architectural Design (International)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, normally at 2.2 or equivalent.; or
  - ii. an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, and a period of relevant professional practice experience.
  - iii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to the above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.
3. All applicants will be expected to submit a portfolio to the satisfaction of the Programme Leader and may be invited to interview.

#### Duration of Study

4. A minimum period of study of 24 months and a maximum period of study of 48 months shall apply.

#### Mode of Study

5. The programme is available by full-time study only.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Graduate Diploma no fewer than 120 credits from the first year of the programme.
  - ii. for the Postgraduate Certificate no fewer than 60 credits from the second year of the programme.
  - iii. for the Postgraduate Diploma no fewer than 120 credits from the second year of the programme.
  - iv. for the degree of MArch no fewer than 180 credits including project 22900, from the second year of the programme.

**First Year** - All students shall follow an approved curriculum amounting to no fewer than 120 credits as follows:

#### Compulsory Modules

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                           |   |    |
|-------|---------------------------|---|----|
| AB418 | Design Studies 4A         | 4 | 20 |
| AB419 | Design Studies 4B         | 4 | 40 |
| AB427 | Architecture and the City | 4 | 40 |
| AB421 | Special Study Project 4   | 4 | 20 |

**Second Year** - Students shall follow an approved curriculum amounting to no fewer than 120 credits chosen as follows:

### **Compulsory Modules**

| Module Code                   | Module Title            | Level | Credits |
|-------------------------------|-------------------------|-------|---------|
| AB964                         | Design Studies 5A       | 5     | 20      |
| AB965                         | Design Studies 5B       | 5     | 40      |
| AB966                         | Special Study Project 5 | 5     | 20      |
| AB967                         | Cultural Studies 5      | 5     | 20      |
| AB968                         | Professional Studies 5  | 5     | 20      |
| For the degree of MArch only: |                         |       |         |
| 22900                         | Project                 | 5     | 60      |

Exceptionally, such other modules totalling no more than 20-credits, as approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. In order to progress to the second year of the programme, a student must normally have accumulated at least 120 credits including all the first year compulsory modules.
9. In addition, a student must have achieved a level of performance that is acceptable to the Programme Leader and as detailed in the Programme Handbook.
10. The final award will be based on performance in the first attempt examinations, coursework and Project where undertaken.

### **Award**

11. **Degree of MArch:** In order to qualify for the award of the degree of MArch in Architectural Design (International), a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the second year curriculum, of which 60 must have been awarded in respect of the Project 22900.
12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Architectural Design (International), a candidate must normally have accumulated no

fewer than 120 credits from the second year taught curriculum, including all the second year compulsory modules.

13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Architectural Design (International) a candidate must normally have accumulated no fewer than 60 credits from the second year taught curriculum.
14. **Graduate Diploma:** In order to qualify for the award of the Graduate Diploma in Architectural Design (International) a candidate must normally have accumulated no fewer 120 credits from the first year curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### ARCHITECTURAL STUDIES

Postgraduate Diploma in Architectural Studies  
Postgraduate Certificate in Architectural Studies  
Graduate Diploma in Architectural Studies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Diploma no fewer than 240 credits
  - ii. for the Postgraduate Certificate no fewer than 180 credits
  - iii. for the Graduate Diploma no fewer than 120 credits

**First Year** - All students shall follow an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| AB418       | Design Studies 4A       | 4     | 20      |
| AB419       | Design Studies 4B       | 4     | 40      |
| AB420       | Cultural Studies 4      | 4     | 40      |
| AB421       | Special Study Project 4 | 4     | 20      |

**Second Year** - Students for the Postgraduate Certificate shall undertake an approved curriculum amounting to no fewer than 60 credits chosen from the list below. Students for the Postgraduate Diploma in addition shall undertake a further 60 credits.

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| AB964       | Design Studies 5A       | 5     | 20      |
| AB965       | Design Studies 5B       | 5     | 40      |
| AB966       | Special Study Project 5 | 5     | 20      |
| AB967       | Cultural Studies 5      | 5     | 20      |
| AB968       | Professional Studies    | 5     | 20      |

Such other modules as may be approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
6. In order to progress to the second year of the programme, a student must normally have accumulated at least 120 credits including all the first year compulsory modules.
7. From the total first year credits, 100 must have been gained at the first assessed attempt.
8. In addition, a student must have achieved a level of performance that is acceptable to the Programme Leader and as detailed in the Programme Handbook.
9. The final award will be based on performance in the examinations, coursework and the Project where undertaken.

### **Award**

10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Architectural Studies, a candidate must have accumulated no fewer than 240 credits including all the second year compulsory modules.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Architectural Studies, a candidate must have accumulated no fewer than 180 credits including those for all the first year compulsory modules and at least 60 from the second year.
12. **Graduate Diploma:** In order to qualify for the award of the Graduate Diploma in Architectural Studies, a candidate must have accumulated no fewer 120 credits from the programme curriculum.



# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### MSc Sustainability Innovation Leadership

Master of Science in Sustainability Innovation Leadership  
Postgraduate Diploma in Sustainability Innovation Leadership  
Postgraduate Certificate in Sustainability Innovation Leadership

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in engineering, architecture, business, management, environmental science or a closely related subject); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of study

3. See the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).

#### Mode of study

4. The programme is available by full-time study.

#### Place of study

5. In accordance with the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits.
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the degree of MSc no fewer than 180 credits including a 60 credit research project

#### Compulsory Modules

| Module Code | Module Title                                                | Level | Credits |
|-------------|-------------------------------------------------------------|-------|---------|
| Z1976       | Social Entrepreneurship                                     | 5     | 10      |
| Z1961       | Strategic Innovation Management                             | 5     | 10      |
| Z1981       | Social Impact Strategy Lab                                  | 5     | 10      |
| CL994       | Circular Economy and Transformations Towards Sustainability | 5     | 10      |

|                                      |                                                            |   |    |
|--------------------------------------|------------------------------------------------------------|---|----|
| ABXX5                                | Ways of knowing and Interdisciplinary methods for Research | 5 | 10 |
| CL946                                | Global Water Policy                                        | 5 | 10 |
| ABXX4                                | Generational Adaptation and Resilience                     | 5 | 20 |
| ABXX2                                | Energy Flows and Planetary Health                          | 5 | 10 |
| ABXX3                                | Design Modes and Communication                             | 5 | 20 |
| Students for the degree of MSc only: |                                                            |   |    |
| ABXX6                                | Incubator Thesis Project                                   | 5 | 60 |

### **Optional Modules**

Students must choose no fewer than 10 credits of optional modules from the list below:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| EV939       | Environmental Impact Assessment | 5     | 10      |
| AB975       | Sustainability                  | 5     | 10      |

Not all optional modules on this list will be available in each academic year and are subject to review.

### **Progress**

7. See [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).
8. The final award will be based on the student's performance in all assessments.

### **Award**

9. **Degree of MSc:** In order to qualify for the degree of MSc in Sustainability Innovation Leadership, a student must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of Project Module – ABXX6 Incubator Thesis Project.
10. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Sustainability Innovation Leadership, a student must have accumulated no fewer than 120 credits from the taught curriculum.
11. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Sustainability Innovation Leadership, a student must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### URBAN DESIGN

Master of Science in Urban Design  
Postgraduate Diploma in Urban Design  
Postgraduate Certificate in Urban Design

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in Architecture or a discipline related to the built environment of a university in the United Kingdom; or
  - ii. a qualification deemed by the head of Department acting on behalf of Senate to be equivalent to the above.
2. Applicants applying in terms of appropriate professional experience may be required to register initially for the Postgraduate Diploma.
3. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

5. The programmes are available by full-time and part-time study.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits, including all compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits, including AB947 Dissertation Project

#### Compulsory Modules

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| AB931       | Urban Design Studio 1a: Analysis            | 5     | 10      |
| AB932       | Urban Design Studio 1b: Programme           | 5     | 10      |
| AB973       | Urban Design Studio 2: Framework and Coding | 5     | 20      |
| AB974       | Urban Design Studio 3: Masterplanning       | 5     | 20      |

|                                      |                        |   |    |
|--------------------------------------|------------------------|---|----|
| AB936                                | Urban Design History   | 5 | 10 |
| AB939                                | Urban Theory           | 5 | 10 |
| AB975                                | Sustainability         | 5 | 10 |
| AB935                                | Urban Landscape Design | 5 | 10 |
| Students for the degree of MSc only: |                        |   |    |
| AB947                                | Dissertation Project   | 5 | 60 |

### **Optional Modules**

No fewer than 20 credits chosen from:

| Module Code | Module Title                                          | Level | Credits |
|-------------|-------------------------------------------------------|-------|---------|
| EF931       | Project Management                                    | 5     | 10      |
| AB980       | Legislation and Regulations                           | 5     | 10      |
| EV939       | Environmental Impact Assessment                       | 5     | 10      |
| CL961       | Geographical Information Systems                      | 5     | 10      |
| L2947       | Networked Institutions, Technology and Infrastructure | 5     | 20      |

Not all optional modules on this list will be available in each academic year

Exceptionally, such other modules as approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. The final award will be based on performance in the examinations, coursework and AB947, the Dissertation Project, where undertaken.

### **Award**

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Urban Design, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Dissertation Project AB947.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Urban Design, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Urban Design, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### BIOFLUID MECHANICS

Master of Science in Biofluid Mechanics  
Postgraduate Diploma in Biofluid Mechanics  
Postgraduate Certificate in Biofluid Mechanics

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project
5. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) and at the discretion of the Programme Leader, exemption from part of the programme may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

#### Compulsory Modules

| Module Code                                      | Module Title                                   | Level | Credits |
|--------------------------------------------------|------------------------------------------------|-------|---------|
| BE915                                            | Medical Science for Engineering                | 5     | 20      |
| BE918                                            | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919                                            | Research Methodology                           | 5     | 10      |
| BE926                                            | Biofluid Mechanics                             | 5     | 20      |
| BE927                                            | Industrial Software                            | 5     | 20      |
| Students for the MSc in Biofluid Mechanics only: |                                                |       |         |
| BE907                                            | Project                                        | 5     | 60      |

## **Optional Modules**

### **MSc in Biofluid Mechanics**

No fewer than 40 credits from:

| <b>Module Code</b> | <b>Module Title</b>                                                  | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------------------|--------------|----------------|
| BE923              | Haemodynamics for Engineers                                          | 5            | 10             |
| BE925              | Numerical Modelling in Biomedical Engineering                        | 5            | 10             |
| BE903              | Cardiovascular Devices                                               | 5            | 10             |
| BE920              | The Medical Device Regulatory Process                                | 5            | 10             |
| BE500              | Entrepreneurship & Commercialization in Biomedical Engineering       | 5            | 10             |
| BE916              | Introduction to Biomechanics                                         | 5            | 10             |
| MM506              | Finite Element Methods for Boundary Value Problems and Approximation | 5            | 20             |
| MM508              | Mathematical Biology and Marine Population Modelling                 | 5            | 20             |
| EF927              | Design Management                                                    | 5            | 10             |
| EF932              | Risk Management                                                      | 5            | 10             |

**Students for the Postgraduate Diploma only in addition will have the optional module:**

| <b>Module Code</b> | <b>Module Title</b>                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------|--------------|----------------|
| BE914              | Biomedical Engineering Dissertation | 5            | 20             |

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework and the Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Biofluid Mechanics, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits including those for all the compulsory modules within the curriculum and the Project.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Biofluid Mechanics, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.

10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Biofluid Mechanics, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### BIOMEDICAL ENGINEERING

Master of Science in Biomedical Engineering

Master of Science in Biomedical Engineering with Biomechanics

Master of Science in Biomedical Engineering with Cell and Tissue Engineering

Postgraduate Diploma in Biomedical Engineering

Postgraduate Certificate in Biomedical Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project
5. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) and at the discretion of the Programme Leader, exemption from part of the programme may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

#### Compulsory Modules

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| Either      |                                 |       |         |
| BE911       | Engineering Science             | 5     | 20      |
| Or          |                                 |       |         |
| BE915       | Medical Science for Engineering | 5     | 20      |
| Plus        |                                 |       |         |



|                                                     |                                                |   |    |
|-----------------------------------------------------|------------------------------------------------|---|----|
| BE918                                               | Professional Studies in Biomedical Engineering | 5 | 10 |
| BE919                                               | Research Methodology                           | 5 | 10 |
| BE909                                               | Biomedical Electronics                         | 5 | 10 |
| BE908                                               | Biomedical Instrumentation                     | 5 | 10 |
| Students for the degree of MSc only will undertake: |                                                |   |    |
| BE907                                               | Project                                        | 5 | 60 |

**For the degree of MSc in Biomedical Engineering with Biomechanics:**

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| BE902       | Prosthetics and Orthotics        | 5     | 10      |
| BE904       | Clinical and Sports Biomechanics | 5     | 10      |
| BE916       | Introduction to Biomechanics     | 5     | 10      |

No fewer than 30 credits from the list of optional modules.

**For the degree of MSc in Biomedical Engineering with Cell and Tissue Engineering:**

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| BE900       | Tissue Mechanics                           | 5     | 10      |
| BE901       | Regenerative Medicine & Tissue Engineering | 5     | 10      |
| BE906       | Biomaterials and Biocompatibility          | 5     | 10      |

No fewer than 30 credits from the list of optional modules.

**For the degree of MSc in Biomedical Engineering:**

No fewer than 60 credits from the list of optional modules.

**Optional Modules**

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| BE916       | Introduction to Biomechanics     | 5     | 10      |
| BE904       | Clinical and Sports Biomechanics | 5     | 10      |

|       |                                               |   |    |
|-------|-----------------------------------------------|---|----|
| BE900 | Tissue Mechanics                              | 5 | 10 |
| BE906 | Biomaterials and Biocompatibility             | 5 | 10 |
| BE901 | Regenerative Medicine & Tissue Engineering    | 5 | 10 |
| BE903 | Cardiovascular Devices                        | 5 | 10 |
| BE902 | Prosthetics and Orthotics                     | 5 | 10 |
| BE905 | Biosignal Processing and Analysis             | 5 | 10 |
| BE912 | Anatomy & Physiology                          | 5 | 10 |
| BE920 | The Medical Device Regulatory Process         | 5 | 10 |
| BE923 | Haemodynamics for Engineers                   | 5 | 10 |
| BE924 | Medical Robotics                              | 5 | 10 |
| BE925 | Numerical Modelling in Biomedical Engineering | 5 | 10 |
| BE928 | Rehabilitation Technology                     | 5 | 10 |

Students for the **Postgraduate Diploma only** in addition will have the optional module:

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| BE914       | Biomedical Engineering Dissertation | 5     | 20      |

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits including those for all the compulsory modules within the curriculum and the Project BE907.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Biomedical Engineering, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Biomedical Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### MEDICAL DEVICES

Master of Science in Medical Devices  
Postgraduate Diploma in Medical Devices  
Postgraduate Certificate in Medical Devices

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits of which no fewer than 20 shall be derived from a dissertation
  - iii. for the degree of MSc no fewer than 180 credits including a project
5. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) and at the discretion of the Programme Leader, exemption from part of the programme may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

#### Compulsory Modules

| Module Code | Module Title                                          | Level | Credits |
|-------------|-------------------------------------------------------|-------|---------|
| BE915       | Medical Science for Engineering                       | 5     | 20      |
| MP931       | Generic Biomedical and Pharmaceutical Research Skills | 5     | 20      |
| BE918       | Professional Studies in Biomedical Engineering        | 5     | 10      |
| BE919       | Research Methodology                                  | 5     | 10      |
| BE909       | Biomedical Electronics                                | 5     | 10      |
| MP959       | Advanced Techniques in Biomedical Research            | 5     | 10      |

|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| BE920 | The Medical Device Regulatory Process | 5 | 10 |
|-------|---------------------------------------|---|----|

**Students for the degree of MSc only:**

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| BE910       | EngD/MSc Medical Devices Project | 5     | 20      |
| BE908       | Biomedical Instrumentation       | 5     | 10      |

No fewer than 60 credits from the list of optional modules.

**Students for the Postgraduate Diploma only:**

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| BE914       | PGDip Medical Devices Dissertation | 5     | 20      |

No fewer than 10 credits from the list of optional modules.

### **Optional Modules**

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| BM918       | Clinical Biochemistry                      | 5     | 10      |
| BE916       | Introduction to Biomechanics               | 5     | 10      |
| BE904       | Clinical and Sports Biomechanics           | 5     | 10      |
| BE900       | Tissue Mechanics                           | 5     | 10      |
| BE906       | Biomaterials and Biocompatibility          | 5     | 10      |
| BE901       | Regenerative Medicine & Tissue Engineering | 5     | 10      |
| BE903       | Cardiovascular Devices                     | 5     | 10      |
| BE902       | Prosthetics and Orthotics                  | 5     | 10      |
| BE905       | Bio-signal Processing and Analysis         | 5     | 10      |
| BE920       | The Medical Device Regulatory Process      | 5     | 10      |
| BE923       | Haemodynamics for Engineers                | 5     | 10      |

|       |                                               |   |    |
|-------|-----------------------------------------------|---|----|
| BE924 | Medical Robotics                              | 5 | 10 |
| BE925 | Numerical Modelling in Biomedical Engineering | 5 | 10 |
| BE928 | Rehabilitation Technology                     | 5 | 10 |
| MP941 | Advanced Techniques in Biochemistry           | 5 | 10 |
| MP946 | Advanced Techniques in Molecular Biology      | 5 | 10 |

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Medical Devices, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 20 must have been awarded in respect of the Project BE910.
9. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Medical Devices, a candidate must have accumulated no fewer than 120 credits of which 20 must have been awarded in respect of the Dissertation.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Medical Devices, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### MEDICAL TECHNOLOGY

#### Postgraduate Certificate in Medical Technology

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time and part-time on-line study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code                                                                                                  | Module Title                                   | Level | Credits |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------|---------|
| BE918                                                                                                        | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919                                                                                                        | Research Methodology                           | 5     | 10      |
| BE920                                                                                                        | The Medical Device Regulatory Process          | 5     | 10      |
| Either                                                                                                       |                                                |       |         |
| BE911                                                                                                        | Engineering Science                            | 5     | 20      |
| Or                                                                                                           |                                                |       |         |
| BE915                                                                                                        | Medical Science for Engineering                | 5     | 20      |
| Dependent on the academic background of the student and chosen after consultation with the Programme Leader. |                                                |       |         |

#### Optional Modules

No fewer than 10 credits from the list below:

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| BE916       | Introduction to Biomechanics                  | 5     | 10      |
| BE902       | Prosthetics and Orthotics                     | 5     | 10      |
| BE901       | Regenerative Medicine & Tissue Engineering    | 5     | 10      |
| BE900       | Tissue Mechanics                              | 5     | 10      |
| BE909       | Biomedical Electronics                        | 5     | 10      |
| BE904       | Clinical and Sports Biomechanics              | 5     | 10      |
| BE905       | Bio-signal Processing and Analysis            | 5     | 10      |
| BE906       | Biomaterials and biocompatibility             | 5     | 10      |
| BE903       | Cardiovascular Devices                        | 5     | 10      |
| BE908       | Biomedical Instrumentation                    | 5     | 10      |
| BE920       | The Medical Device Regulatory Process         | 5     | 10      |
| BE923       | Haemodynamics for Engineers                   | 5     | 10      |
| BE924       | Medical Robotics                              | 5     | 10      |
| BE925       | Numerical Modelling in Biomedical Engineering | 5     | 10      |
| BE928       | Rehabilitation Technology                     | 5     | 10      |

### Examination, Progress and Final Assessment

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)

6. The final award will be based on performance in the examinations and the coursework.

### Award

7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Medical Technology, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits, of which 50 must have been awarded in respect of the compulsory modules.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### ORTHOTICS REHABILITATION STUDIES

Master of Science Orthotics Rehabilitation Studies

Postgraduate Diploma in Orthotics Rehabilitation Studies

Postgraduate Certificate in Orthotics Rehabilitation Studies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#). Students must be qualified professional orthotists.

#### Mode of Study

2. The programmes are available by distance-learning only.

#### Curriculum

3. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits including the compulsory taught modules
  - iii. for the degree of MSc no fewer than 180 credits including a project 94900.

#### Compulsory Modules

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| 94938       | Research Methodology             | 5     | 20      |
| 94915       | Data Analysis                    | 5     | 20      |
| 94935       | Advanced Orthotic Science        | 5     | 20      |
| 94930       | Lower Limb Orthotic Biomechanics | 5     | 20      |

Students for the degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| 94900       | Project      | 5     | 60      |

#### Optional Modules

No fewer than 40 credits chosen from the list below:

| Module Code | Module Title        | Level | Credits |
|-------------|---------------------|-------|---------|
| 94927       | Clinical Governance | 5     | 20      |



|       |                                                                            |   |    |
|-------|----------------------------------------------------------------------------|---|----|
| 94928 | Introductory Biomechanics                                                  | 5 | 20 |
| 94929 | Lower Limb Prosthetic Biomechanics                                         | 5 | 20 |
| 94936 | Clinical Gait Analysis                                                     | 5 | 20 |
| BE942 | The Holistic Management of Foot and Ankle Musculoskeletal (MSK) Conditions | 5 | 20 |
| BE943 | Management of Diabetic Foot Disease                                        | 5 | 20 |

Exceptionally, such other Level 5 modules (totalling no more than 20 credits) as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Orthotics Rehabilitation Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the appropriate programme curriculum, of which 60 must have been awarded in respect of the Project 94900.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Orthotics Rehabilitation Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Orthotics Rehabilitation Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### PROSTHETICS AND ORTHOTICS REHABILITATION STUDIES

**Master of Science in Prosthetics and Orthotics Rehabilitation Studies**  
**Postgraduate Diploma in Prosthetics and Orthotics Rehabilitation Studies**  
**Postgraduate Certificate in Prosthetics and Orthotics Rehabilitation Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Students must be qualified professional prosthetists and orthotists.

#### **Mode of Study**

3. The programmes are available by distance-learning only.

#### **Curriculum**

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits including the compulsory taught modules
  - iii. for the degree of MSc no fewer than 180 credits including a project, 94900.

#### **Compulsory Modules**

| Module Code | Module Title                | Level | Credits |
|-------------|-----------------------------|-------|---------|
| 94938       | Research Methodology        | 5     | 20      |
| 94939       | Data Analysis               | 5     | 20      |
| 94937       | Advanced Prosthetic Science | 5     | 20      |
| 94935       | Advanced Orthotic Science   | 5     | 20      |

Students for the degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| 94900       | Project      | 5     | 60      |

#### **Optional Modules**

No fewer than 40 credits chosen from the list below:

| Module Code | Module Title                                                               | Level | Credits |
|-------------|----------------------------------------------------------------------------|-------|---------|
| 94927       | Clinical Governance                                                        | 5     | 20      |
| 94928       | Introductory Biomechanics                                                  | 5     | 20      |
| 94929       | Lower Limb Prosthetic Biomechanics                                         | 5     | 20      |
| 94930       | Lower Limb Orthotic Biomechanics                                           | 5     | 20      |
| 94936       | Clinical Gait Analysis                                                     | 5     | 20      |
| BE942       | The Holistic Management of Foot and Ankle Musculoskeletal (MSK) Conditions | 5     | 20      |
| BE943       | Management of Diabetic Foot Disease                                        | 5     | 20      |

Such other Level 5 modules as may be approved by the Programme Leader.  
Not all optional modules listed in the table will be available in each year.

#### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

#### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Prosthetics and Orthotics Rehabilitation Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the appropriate programme curriculum, of which 60 must have been awarded in respect of the Project 94900.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Prosthetics and Orthotics Rehabilitation Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Prosthetics and Orthotics Rehabilitation Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### PROSTHETICS AND ORTHOTICS

**Master of Science in Prosthetics and Orthotics**  
**Postgraduate Diploma in Prosthetics and Orthotics**  
**Postgraduate Certificate in Prosthetics and Orthotics**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. The candidates should also have an International Category 1 degree award of equivalent in Prosthetics and Orthotics and be eligible for state registration as a prosthetist/orthotist.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project
6. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) and at the discretion of the Programme Leader, exemption from part of the programme may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

#### **Compulsory Modules**

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| BE918       | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919       | Research Methodology                           | 5     | 10      |
| BE921       | Disability and Societal Effects                | 5     | 20      |
| Either      |                                                |       |         |
| BE911       | Engineering Science                            | 5     | 20      |
| Or          |                                                |       |         |

|                                                                 |                                         |   |    |
|-----------------------------------------------------------------|-----------------------------------------|---|----|
| BE915                                                           | Medical Science for Engineering         | 5 | 20 |
| Students for the degree of MSc only in addition will undertake: |                                         |   |    |
| 94500                                                           | Prosthetic and Orthotic Masters Project | 5 | 60 |

### **Optional Modules**

**Optional List A** - No fewer than 40 credits chosen from:

| Module Code | Module Title                                    | Level | Credits |
|-------------|-------------------------------------------------|-------|---------|
| BE929       | Orthotic Management of Neurological Condition B | 5     | 20      |
| BE930       | Orthotic Management of Diabetic Foot B          | 5     | 20      |
| BE931       | Hip, Knee and Ankle Disarticulation B           | 5     | 20      |
| BE932       | Clinical Governance B                           | 5     | 20      |
| BE933       | Orthotic Management of Spinal Deformity B       | 5     | 20      |
| BE934       | Clinical Gait Analysis                          | 5     | 20      |
| BE935       | Upper Limb Prosthetics B                        | 5     | 20      |
| BE936       | Lower Limb Prosthetic Design B                  | 5     | 20      |
| BE937       | Paediatric Lower Limb Prosthetics B             | 5     | 20      |

**Optional List B** - No fewer than 20 credits chosen from:

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| BE916       | Introduction to Biomechanics               | 5     | 10      |
| BE901       | Regenerative Medicine & Tissue Engineering | 5     | 10      |
| BE900       | Tissue Mechanics                           | 5     | 10      |
| BE904       | Clinical and Sports Biomechanics           | 5     | 10      |
| BE905       | Bio-signal Processing and Analysis         | 5     | 10      |
| BE906       | Biomaterials and Biocompatibility          | 5     | 10      |
| BE903       | Cardiovascular Devices                     | 5     | 10      |
| BE920       | The Medical Device Regulatory Process      | 5     | 10      |
| BE923       | Haemodynamics for Engineers                | 5     | 10      |

|                                                                                       |                                               |   |    |
|---------------------------------------------------------------------------------------|-----------------------------------------------|---|----|
| BE924                                                                                 | Medical Robotics                              | 5 | 10 |
| BE925                                                                                 | Numerical Modelling in Biomedical Engineering | 5 | 10 |
| BE928                                                                                 | Rehabilitation Technology                     | 5 | 10 |
| Students for the Postgraduate Diploma only in addition will have the optional module: |                                               |   |    |
| BE922                                                                                 | PGDip Prosthetic and Orthotic Dissertation    | 5 | 20 |

### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
8. The final award will be based on performance in the examinations, coursework and the Project where undertaken.

### Award

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Prosthetics and Orthotics, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits including those for all the compulsory modules within the curriculum and the Project 94500.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Prosthetics and Orthotics, a candidate must normally have accumulated no fewer than 120 credits.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Prosthetics and Orthotics, a candidate must normally have accumulated no fewer than 60 credits from the taught modules of the programme of which 40 must have been awarded from the list of compulsory and optional List A modules.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### PROSTHETICS REHABILITATION STUDIES

Master of Science in Prosthetics Rehabilitation Studies  
Postgraduate Diploma in Prosthetics Rehabilitation Studies  
Postgraduate Certificate in Prosthetics Rehabilitation Studies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Students must be qualified professional prosthetists.

#### Mode of Study

3. The programmes are available by distance-learning only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits including the compulsory taught modules
  - iii. for the degree of MSc no fewer than 180 credits including a project – 94900.

#### Compulsory Modules

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| 94938       | Research Methodology               | 5     | 20      |
| 94939       | Data Analysis                      | 5     | 20      |
| 94937       | Advanced Prosthetic Science        | 5     | 20      |
| 94929       | Lower Limb Prosthetic Biomechanics | 5     | 20      |

Students of the degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| 94900       | Project      | 5     | 60      |

#### Optional Modules

No fewer than 40 credits chosen from the list below:

| Module Code | Module Title                                                               | Level | Credits |
|-------------|----------------------------------------------------------------------------|-------|---------|
| 94927       | Clinical Governance                                                        | 5     | 20      |
| 94928       | Introductory Biomechanics                                                  | 5     | 20      |
| 94930       | Lower Limb Orthotic Biomechanics                                           | 5     | 20      |
| 94936       | Clinical Gait Analysis                                                     | 5     | 20      |
| BE942       | The Holistic Management of Foot and Ankle Musculoskeletal (MSK) Conditions | 5     | 20      |
| BE943       | Management of Diabetic Foot Disease                                        | 5     | 20      |

Such other Level 5 modules as may be approved by the Programme Leader.  
Not all optional modules listed in this table will be available each year.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Prosthetics Rehabilitation Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the appropriate programme curriculum, of which 60 must have been awarded in respect of Project 94900.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Prosthetics Rehabilitation Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Prosthetics Rehabilitation Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.



# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### REHABILITATION STUDIES

Master of Science in Rehabilitation Studies  
Postgraduate Diploma in Rehabilitation Studies  
Postgraduate Certificate in Rehabilitation Studies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. The normal duration of study will be:
  - i. for the degree of MSc - 36 months
  - ii. for the Postgraduate Diploma – 24 months
  - iii. for the Postgraduate Certificate – 12 months

#### Mode of Study

3. The programmes are available by distance-learning only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits including the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code                          | Module Title         | Level | Credits |
|--------------------------------------|----------------------|-------|---------|
| 94938                                | Research Methodology | 5     | 20      |
| 94939                                | Data Analysis        | 5     | 20      |
| Students for the degree of MSc only: |                      |       |         |
| 94900                                | Project              | 5     | 60      |

#### Optional Modules

No fewer than 80 credits chosen from the list below:

| Module Code | Module Title     | Level | Credits |
|-------------|------------------|-------|---------|
| 94904       | Orthotic Studies | 5     | 20      |

|       |                                                         |   |    |
|-------|---------------------------------------------------------|---|----|
| 94905 | Prosthetic Studies                                      | 5 | 20 |
| 94927 | Clinical Governance                                     | 5 | 20 |
| 94928 | Introductory Biomechanics                               | 5 | 20 |
| 94929 | Lower Limb Prosthetic Biomechanics                      | 5 | 20 |
| 94930 | Lower Limb Orthotic Biomechanics                        | 5 | 20 |
| 94936 | Clinical Gait Analysis                                  | 5 | 20 |
| BE944 | Introduction to the Management of Diabetic Foot Disease | 5 | 20 |

Such other Level 5 modules as may be approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Rehabilitation Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the appropriate programme curriculum, of which 60 must have been awarded in respect of the Project 94900.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Rehabilitation Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Rehabilitation Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

### ADVANCED CHEMICAL ENGINEERING

Master of Science in Advanced Chemical Engineering  
Postgraduate Diploma in Advanced Chemical Engineering  
Postgraduate Certificate in Advanced Chemical Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits as detailed below
  - ii. for the Postgraduate Diploma – no fewer than 120 credits as detailed below
  - iii. for the degree of MSc - no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code                          | Module Title            | Level | Credits |
|--------------------------------------|-------------------------|-------|---------|
| CP974                                | Advanced Process Design | 5     | 20      |
| CP967                                | Project Scoping         | 5     | 20      |
| Students for the degree of MSc only: |                         |       |         |
| CP949                                | Individual Project      | 5     | 60      |

#### Optional Modules

Students must choose no fewer than 80 credits of optional modules with a minimum of 50 credits from List A and a minimum of 10 credits from List B.

**List A**

| <b>Module Code</b> | <b>Module Title</b>                                         | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------------------|--------------|----------------|
| CP917              | Process Design Principles                                   | 5            | 10             |
| CP527              | Petrochemical Engineering                                   | 5            | 10             |
| CP523              | Molecular Simulation in Chemical Eng                        | 5            | 10             |
| CP533              | Clean Combustion Technologies                               | 5            | 10             |
| CP537              | Electrochemical Energy Devices                              | 5            | 10             |
| CP530              | Safety Management Practices                                 | 5            | 10             |
| CP529              | Programming and Optimisation                                | 5            | 10             |
| CP535              | Molecular and Interfacial Science                           | 5            | 10             |
| CP538              | Environmental Engineering for Solving Industrial Challenges | 5            | 10             |
| CP539              | Advanced Process Analysis and Simulation                    | 5            | 10             |

**List B**

| <b>Module Code</b> | <b>Module Title</b>                                | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------|--------------|----------------|
| EF931              | Project Management                                 | 5            | 10             |
| EF932              | Risk Management                                    | 5            | 10             |
| EF929              | Financial Engineering                              | 5            | 10             |
| EV939              | Environmental Impact Assessment                    | 5            | 10             |
| EF945              | Knowledge and Information Management for Engineers | 5            | 10             |

Exceptionally, students can undertake optional modules totalling no more than 10 credits as approved by the Programme Leader

Only students undertaking the Postgraduate Diploma can also choose the following optional module:

| <b>Module Code</b> | <b>Module Title</b>      | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------|--------------|----------------|
| CP973              | PGDip Individual Project | 5            | 20             |

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework and the Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Chemical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, and 60 credits must have been awarded in respect of the Individual Project CP949.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Chemical Engineering, a candidate must have accumulated no fewer than 120 taught credits, of which 20 credits must be awarded for the Project Scoping CP967.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Chemical Engineering, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING**

### **PROCESS TECHNOLOGY AND MANAGEMENT CHEMICAL TECHNOLOGY AND MANAGEMENT ADVANCED CHEMICAL AND PROCESS ENGINEERING**

**Master of Science in Process Technology and Management  
Postgraduate Diploma in Process Technology and Management  
Postgraduate Certificate in Process Technology and Management**

**Master of Science in Chemical Technology and Management  
Postgraduate Diploma in Chemical Technology and Management  
Postgraduate Certificate in Chemical Technology and Management**

**Master of Science in Advanced Chemical and Process Engineering  
Postgraduate Diploma in Advanced Chemical and Process Engineering  
Postgraduate Certificate in Advanced Chemical and Process Engineering**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in a relevant discipline; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above; and
  - iii. have appropriate professional experience and shall normally be employed in the appropriate industry.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of Study**

4. The programmes are available by part-time distance learning study only.

#### **Curriculum**

5. **MSc Process Technology and Management** students shall take all modules from the Process Technology, and Business and Management lists, plus an approved curriculum of 30 credits from the optional lists, including a minimum of 20 credits from List A.
6. **MSc Chemical Technology and Management** students shall take all modules from the compulsory Chemical Technology list, and 30 credits from the Business and Management list,

plus an approved curriculum of 40 credits from the optional lists, including a minimum of 20 credits from List A.

7. **MSc Advanced Chemical and Process Engineering** students shall take all modules from the compulsory Advanced Chemical and Process Engineering list, plus an approved curriculum (of 50 credits) chosen from the optional lists, including a minimum of 20 credits from List A, with a maximum of 20 credits drawn from the business and management list.

### **Compulsory Modules**

#### **Advanced Chemical and Process Engineering**

| <b>Module Code</b> | <b>Module Title</b>                                  | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------------|--------------|----------------|
| CP917              | Process Design Principles                            | 5            | 10             |
| CP964              | Process Analysis in Chemical Engineering             | 5            | 20             |
| CP974              | Advanced Process Design                              | 5            | 20             |
| CP975              | Ethics, Sustainability and Environmental Engineering | 5            | 20             |

#### **Process Technology**

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| CP917              | Process Design Principles                | 5            | 10             |
| CP974              | Advanced Process Design                  | 5            | 20             |
| CP964              | Process Analysis in Chemical Engineering | 5            | 20             |

#### **Chemical Technology**

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| CP917              | Process Design Principles                | 5            | 10             |
| CP964              | Process Analysis in Chemical Engineering | 5            | 20             |
| CP974              | Advanced Process Design                  | 5            | 20             |

#### **Business and Management**

| <b>Module Code</b> | <b>Module Title</b>                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------|--------------|----------------|
| CP931              | Understanding Financial Information | 5            | 10             |
| CP935              | IT Strategy                         | 5            | 10             |
| CP933              | Project Management                  | 5            | 10             |

|       |                                  |   |    |
|-------|----------------------------------|---|----|
| CP934 | Business and Technology Strategy | 5 | 10 |
|-------|----------------------------------|---|----|

**Students for the degree of MSc only (all streams):**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| CP936       | Project      | 5     | 60      |

### **Optional Modules**

#### **List A**

| Module Code | Module Title                                         | Level | Credits |
|-------------|------------------------------------------------------|-------|---------|
| CP918       | Safety Management Practices                          | 5     | 10      |
| CP919       | Programming and Optimisation                         | 5     | 10      |
| CP970       | Molecular and Interfacial Science                    | 5     | 10      |
| CP975       | Ethics, Sustainability and Environmental Engineering | 5     | 20      |
| CP955       | Molecular simulation in chemical engineering         | 5     | 10      |
| CP969       | Clean Combustion Technologies                        | 5     | 10      |
| CP971       | Petroleum Engineering                                | 5     | 10      |
| CP972       | Electrochemical Energy Devices                       | 5     | 10      |
| CP964       | Process Analysis in Chemical Engineering             | 5     | 20      |
| CL996       | Materials and Microstructures                        | 5     | 10      |

#### **List B**

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| CP930       | Management of Technological Innovation | 5     | 10      |
| ME948       | Hydraulics                             | 5     | 10      |
| ME950       | Boiler Thermal Hydraulics              | 5     | 10      |
| ME945       | Introduction to Open Source CFD        | 5     | 10      |
| CP974       | Advanced Process Design                | 5     | 20      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

A maximum of 30 credits of modules from the compulsory lists may be substituted for modules from the optional list, provided it is evident from the student's prior education and experience, and professional development needs, that this represents a more appropriate and relevant curriculum.



This is also subject to agreement from the Programme Leader, that the alternative curriculum continues to meet the accreditation requirements.

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

8. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
9. The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### **Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Process Technology and Management, or Chemical Technology and Management, or Advanced Chemical and Process Engineering a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from an approved programme curriculum, including the 60 credit project
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Process Technology and Management or Chemical Technology and Management, or Advanced Chemical and Process Engineering a candidate must have accumulated no fewer than 120 credits from an approved programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Process Technology and Management or Chemical Technology and Management, or Advanced Chemical and Process Engineering a candidate must have accumulated no fewer than 60 credits from an approved programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

### ENERGY SYSTEMS INNOVATION

Master of Science Energy Systems Innovation

Postgraduate Diploma in Energy Systems Innovation

Postgraduate Certificate in Energy Systems Innovation

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Students will normally have been admitted in the first instance to the degree of MSc in Energy Systems Innovation.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time study only.

#### Place of Study

4. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), study may be undertaken at University of Strathclyde or within other institutions or agencies approved by Senate.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code                          | Module Title                   | Level | Credits |
|--------------------------------------|--------------------------------|-------|---------|
| CP527                                | Petroleum Engineering          | 5     | 10      |
| CP537                                | Electrochemical Energy Devices | 5     | 10      |
| CP533                                | Clean Combustion technologies  | 5     | 10      |
| CP967                                | Project Scoping                | 5     | 20      |
| Students for the degree of MSc only: |                                |       |         |
| CP949                                | Individual Project             | 5     | 60      |

#### Optional Modules

No fewer than 70 credits chosen from:

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| ME928       | Energy Systems Analysis | 5     | 10      |

|       |                                         |   |    |
|-------|-----------------------------------------|---|----|
| DM994 | Systems Engineering Concepts            | 5 | 10 |
| Z1931 | Entrepreneurship, Innovation and Comm.  | 5 | 10 |
| EF931 | Project Management                      | 5 | 10 |
| DM920 | Strategic Technology Management         | 5 | 10 |
| DM943 | Sustainable Product Design and Manufac. | 5 | 10 |
| EF932 | Risk Management                         | 5 | 10 |
| EF929 | Financial Engineering                   | 5 | 10 |
| EV939 | Environmental Impact Assessment         | 5 | 10 |
| EF945 | Knowledge and Information Management    | 5 | 10 |

Only students undertaking the Postgraduate Diploma can also choose the following optional module:

|       |                          |   |    |
|-------|--------------------------|---|----|
| CP973 | PGDip Individual Project | 5 | 20 |
|-------|--------------------------|---|----|

Exceptionally, other modules may be offered in lieu, as approved by the Programme Leader.

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the Individual Project CP949.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Energy Systems Innovation, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Individual Project CP949.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Energy Systems Innovation, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Energy Systems Innovation, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### CIVIL ENGINEERING

Master of Science in Civil Engineering

Master of Science in Civil Engineering with Structural Engineering & Project Management

Master of Science in Civil Engineering with Geotechnical Engineering & Project Management

Master of Science in Civil Engineering with Geoenvironmental Engineering & Project Management

Master of Science in Civil Engineering with Water Engineering & Project Management

Postgraduate Diploma in Civil Engineering

Postgraduate Certificate in Civil Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in Science or Engineering; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the Project CL980

#### Compulsory Modules – all streams

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| CL804       | Research Methods for Quantitative and Qualitative Approaches | 5     | 10      |
| OR          |                                                              |       |         |
| CL997       | Research Methods for Quantitative and Qualitative Approaches | 5     | 10      |

|                                      |                                     |   |    |
|--------------------------------------|-------------------------------------|---|----|
| CL519                                | Group Design Project B              | 5 | 20 |
| OR                                   |                                     |   |    |
| CL966                                | Group Design Project B (Semester 1) | 5 | 20 |
| Students for the degree of MSc only: |                                     |   |    |
| CL980                                | Project                             | 5 | 60 |

## **MSc Civil Engineering**

### **Optional Modules**

60 credits from List A plus 30 credits from List A or B.

## **MSc Civil Engineering with Structural Engineering & Project Management**

### **Compulsory Modules**

| Module Code | Module Title                                                       | Level | Credits |
|-------------|--------------------------------------------------------------------|-------|---------|
| CL507       | Ground Improvement and Reinforcement                               | 5     | 10      |
| CL510       | Advanced Structural Analysis and Design                            | 5     | 10      |
| CL976       | Prestressed Concrete, Composite Materials and Structural Stability | 5     | 10      |
| EF931       | Project Management                                                 | 5     | 10      |

### **Optional Modules**

20 credits from List A plus 30 credits from List A or B.

## **MSc Civil Engineering with Geotechnical Engineering & Project Management**

### **Compulsory Modules**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| CL507       | Ground Improvement and Reinforcement | 5     | 10      |
| CL803       | Geotechnics of Unsaturated Soils     | 5     | 10      |
| CL935       | Hydrogeology                         | 5     | 10      |
| EF931       | Project Management                   | 5     | 10      |

### **Optional Modules**

20 credits from List A plus 30 credits from List A or B.

## **MSc Civil Engineering with Geoenvironmental Engineering & Project Management**

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                    | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------|--------------|----------------|
| CL904              | Waste Management and Landfill Design   | 5            | 10             |
| CL906              | Site Investigation and Risk Assessment | 5            | 10             |
| CL954              | Contaminated Land                      | 5            | 10             |
| EF931              | Project Management                     | 5            | 10             |

### **Optional Modules**

20 credits from List A plus 30 credits from List A or B.

## **MSc Civil Engineering with Water Engineering & Project Management**

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                     | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------|--------------|----------------|
| CL978              | Water & Wastewater Treatment Design     | 5            | 10             |
| CL919              | Urban Water Supply and Drainage Systems | 5            | 10             |
| EV921              | Water and Environment Management        | 5            | 10             |
| EF931              | Project Management                      | 5            | 10             |

### **Optional Modules**

20 credits from List A plus 30 credits from List A or B.

### **List A**

| <b>Module Code</b> | <b>Module Title</b>                                          | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------------------|--------------|----------------|
| CL507              | Ground Improvement and Reinforcement                         | 5            | 10             |
| CL510              | Advanced Structural Analysis and Design                      | 5            | 10             |
| CL527              | Structural Reliability Analysis and Design under Uncertainty | 5            | 10             |
| CL904              | Waste Management and Landfill Design                         | 5            | 10             |
| CL906              | Site Investigation and Risk Assessment                       | 5            | 10             |
| CL803              | Geotechnics of Unsaturated Soils                             | 5            | 10             |

|       |                                                                    |   |    |
|-------|--------------------------------------------------------------------|---|----|
| CL935 | Hydrogeology                                                       | 5 | 10 |
| CL954 | Contaminated Land                                                  | 5 | 10 |
| CL976 | Prestressed Concrete, Composite Materials and Structural Stability | 5 | 10 |
| EF931 | Project Management                                                 | 5 | 10 |
| NM833 | Marine Renewable Energy Systems                                    | 5 | 10 |
| CL978 | Water & Wastewater Treatment Design                                | 5 | 10 |
| EV921 | Water and Environment Management                                   | 5 | 10 |
| CL992 | Advanced Materials Science for Structures                          | 5 | 10 |
| CL991 | Structural Health Monitoring                                       | 5 | 10 |
| CL996 | Materials and Microstructures                                      | 5 | 10 |
| AB991 | Building Information Management                                    | 5 | 10 |
| AB995 | Facilities Management                                              | 5 | 10 |

#### List B

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| EF929       | Financial Engineering                               | 5     | 10      |
| CL946       | Global Water Policy                                 | 5     | 10      |
| CL948       | Principles of Environmental Microbiology            | 5     | 10      |
| CL960       | Fundamentals of Environmental Forensics             | 5     | 10      |
| CL970       | Environmental Pollution Management                  | 5     | 10      |
| CL971       | Air Pollution, Climate Change & Human Health        | 5     | 10      |
| CL973       | Independent Study in Collaboration with Industry    | 5     | 10      |
| CL961       | Geographical Information Systems                    | 5     | 10      |
| EF927       | Design Management                                   | 5     | 10      |
| EF932       | Risk Management                                     | 5     | 10      |
| EV908       | Pollution and Rehabilitation of Degraded Ecosystems | 5     | 10      |
| EV939       | Environmental Impact Assessment                     | 5     | 10      |
| L2967       | City Systems and Infrastructure                     | 5     | 10      |
| CL913       | Public Health Studies                               | 5     | 10      |

|       |                                                             |   |    |
|-------|-------------------------------------------------------------|---|----|
| CL994 | Circular economy and transformations towards sustainability | 5 | 10 |
| CL998 | Independent Research Study (Semester 1)                     | 5 | 10 |
| CL999 | Independent Research Study (Semester 2)                     | 5 | 10 |

Exceptionally, such other Level 5 modules totalling no more than 20 credits, as approved by the Programme Leader.

Not all optional modules on these lists will be available in each academic year.

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework and the CL980 project where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Civil Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits (including no fewer than 60 credits from List A), of which 60 must have been awarded in respect of the project CL980.
9. In order to qualify for the award of **MSc in Civil Engineering with Structural Engineering & Project Management, MSc in Civil Engineering with Geotechnical Engineering & Project Management, MSc in Civil Engineering with Geoenvironmental Engineering & Project Management and MSc in Civil Engineering with Water Engineering & Project Management**, the candidate must have accumulated no fewer than 180 credits including the appropriate combination of compulsory and optional credits stipulated in the curriculum above.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Civil Engineering, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme, including no fewer than 60 credits from the modules in List A.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Civil Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme, including no fewer than 30 credits from the modules in List A.



# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### ENVIRONMENTAL ENGINEERING

Master of Science in Environmental Engineering  
Postgraduate Diploma in Environmental Engineering  
Postgraduate Certificate in Environmental Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available full-time and part-time flexibly via on campus study or off campus (Online).

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| CL904       | Waste Management and Landfill Design   | 5     | 10      |
| Either      |                                        |       |         |
| CL906       | Site Investigation and Risk Assessment | 5     | 10      |
| Or          |                                        |       |         |

|                                      |                                                              |   |    |
|--------------------------------------|--------------------------------------------------------------|---|----|
| CL949                                | Site Investigation and Risk Assessment                       | 5 | 10 |
| CL948                                | Principles of Environmental Microbiology                     | 5 | 10 |
| CL805                                | Environmental Geochemistry                                   | 5 | 10 |
| Either                               |                                                              |   |    |
| CL804                                | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
| Or                                   |                                                              |   |    |
| CL997                                | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
| Students for the degree of MSc only: |                                                              |   |    |
| CL980                                | Project                                                      | 5 | 60 |

### **Optional Modules**

No fewer than 70 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------|--------------|----------------|
| CL935              | Hydrogeology                                        | 5            | 10             |
| CL946              | Global Water Policy                                 | 5            | 10             |
| CL954              | Contaminated Land                                   | 5            | 10             |
| CL960              | Fundamentals of Environmental Forensics             | 5            | 10             |
| CL961              | Geographical Information Systems (GIS)              | 5            | 10             |
| CL978              | Water & Wastewater Treatment Design                 | 5            | 10             |
| EF929              | Financial Engineering                               | 5            | 10             |
| EV908              | Pollution and Rehabilitation of Degraded Ecosystems | 5            | 10             |
| EV921              | Water and Environmental Management                  | 5            | 10             |
| CL952              | Aquifer Mechanics                                   | 5            | 10             |
| CL520              | Engineering Challenges in Nuclear Decommissioning   | 5            | 10             |
| CL951              | Groundwater Flow Modelling                          | 5            | 10             |
| CL989              | Isotope Hydrogeology                                | 5            | 10             |
| EF931              | Project Management                                  | 5            | 10             |
| CL913              | Public Health Studies                               | 5            | 10             |

|        |                                                             |   |    |
|--------|-------------------------------------------------------------|---|----|
| NM969  | Renewable Marine Energy Systems                             | 5 | 10 |
| Either |                                                             |   |    |
| CL994  | Circular Economy and Transformations Towards Sustainability | 5 | 10 |
| Or     |                                                             |   |    |
| CL988  | Leading Issues in Circular Economy                          | 5 | 10 |
| Either |                                                             |   |    |
| EV939  | Environmental Impact Assessment                             | 5 | 10 |
| Or     |                                                             |   |    |
| CL941  | Best Practice in Environmental Impact Assessment            | 5 | 10 |
| Either |                                                             |   |    |
| EC928  | Energy Economics                                            | 5 | 10 |
| Or     |                                                             |   |    |
| EC960  | Energy Economics                                            | 5 | 10 |
| Either |                                                             |   |    |
| CL998  | Independent Research Study                                  | 5 | 10 |
| Or     |                                                             |   |    |
| CL999  | Independent Research Study                                  | 5 | 10 |
| Or     |                                                             |   |    |
| CL973  | Independent Study in Collaboration with Industry            | 5 | 10 |

Exceptionally, such other Level 5 modules totalling no more than 20 credits, as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

Optional modules for study by Flexible Learning are available subject to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

7. The final award will be based on performance in the examinations, coursework, the project, where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the degree of MSc in Environmental Engineering a candidate must have accumulated no fewer than 180 credits from the programme curriculum including a project CL980.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Environmental Engineering a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Environmental Engineering a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### ENVIRONMENTAL ENTREPRENEURSHIP

Master of Science in Environmental Entrepreneurship  
Postgraduate Diploma in Environmental Entrepreneurship  
Postgraduate Certificate in Environmental Entrepreneurship

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in any discipline; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available full-time and part-time flexibly via on campus study (Open Access).

#### Place of Study

5. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| CL804       | Research Methods for Quantitative and Qualitative Approaches | 5     | 10      |
| CL929       | Client-Based Environmental Entrepreneurship in Practice      | 5     | 20      |

|                                      |                                                    |   |    |
|--------------------------------------|----------------------------------------------------|---|----|
| Z1957                                | Entrepreneurial Management and Leadership          | 5 | 10 |
|                                      | Either                                             |   |    |
| Z1931                                | Entrepreneurship, Innovation and Commercialisation | 5 | 10 |
|                                      | Or                                                 |   |    |
| Z1948                                | New Venture Creation, Spring School                | 5 | 10 |
| Students for the degree of MSc only: |                                                    |   |    |
| CL980                                | Project                                            | 5 | 60 |

### **Optional Modules**

No fewer than 70 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                     | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------------|--------------|----------------|
| CL946              | Global Water Policy                                     | 5            | 10             |
| CL954              | Contaminated Land                                       | 5            | 10             |
| CL970              | Environmental Pollution Management                      | 5            | 10             |
| CL971              | Air Pollution, Climate Change & Human Health            | 5            | 10             |
| CL904              | Waste Management and Landfill Design                    | 5            | 10             |
| EC928              | Energy Economics                                        | 5            | 10             |
| CL961              | Geographical Information Systems                        | 5            | 10             |
| CL973              | Independent Study in Collaboration with Industry        | 5            | 10             |
| DM943              | Sustainable Product Design and Manufacturing            | 5            | 10             |
| EC927              | Environmental Economics                                 | 5            | 10             |
| EC915              | Games of Strategy                                       | 5            | 10             |
| EV939              | Environmental Impact Assessment                         | 5            | 10             |
| ME927              | Energy Resources and Policy                             | 5            | 10             |
| ME929              | Electrical Power Systems                                | 5            | 10             |
| ME930              | Energy Modelling and Monitoring                         | 5            | 10             |
| M9850              | International Environmental Law                         | 5            | 10             |
| NM833              | Marine Renewable Energy Systems                         | 5            | 10             |
| MS921              | Foundations of Operational Research & Business Analysis | 5            | 10             |

|       |                                                             |   |    |
|-------|-------------------------------------------------------------|---|----|
| L2967 | City Systems and Infrastructure                             | 5 | 10 |
| CL994 | Circular economy and transformations towards sustainability | 5 | 10 |
| CL913 | Public Health Studies                                       | 5 | 10 |
| EF929 | Financial Engineering                                       | 5 | 10 |
| Z1976 | Social Entrepreneurship                                     | 5 | 10 |
| Z1985 | Family Business Spring School                               | 5 | 10 |
| Z1961 | Strategic Innovation Management                             | 5 | 10 |
| Z1945 | Internationalisation and Growth                             | 5 | 10 |
| Z1987 | Disruptive Technologies                                     | 5 | 10 |
| Z1951 | Issues and Trends                                           | 5 | 10 |

Exceptionally, such other modules totalling no more than 20 credits, as may be approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

8. The final award will be based on performance in the examinations, coursework, the project where undertaken.

### Award

9. **Degree of MSc:** In order to qualify for the degree of MSc in Environmental Entrepreneurship, a candidate must have accumulated no fewer than 180 credits from the programme curriculum including CL980.

10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Environmental Entrepreneurship, a candidate must have accumulated no fewer than 120 credits from the taught curriculum.

11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Environmental Entrepreneurship, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### HYDROGEOLOGY

**Master of Science in Hydrogeology**  
**Postgraduate Diploma in Hydrogeology**  
**Postgraduate Certificate in Hydrogeology**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall:
  - i. possess a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available full-time and part-time flexibly via on campus study or off campus (Online).

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation

#### Compulsory Modules

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| Either      |                                                              |       |         |
| CL906       | Site Investigation and Risk Assessment                       | 5     | 10      |
| Or          |                                                              |       |         |
| CL949       | Site Investigation and Risk Assessment                       | 5     | 10      |
| Either      |                                                              |       |         |
| CL804       | Research Methods for Quantitative and Qualitative Approaches | 5     | 10      |



| Or                             |                                                              |   |    |
|--------------------------------|--------------------------------------------------------------|---|----|
| CL997                          | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
| CL935                          | Hydrogeology                                                 | 5 | 10 |
| CL946                          | Global Water Policy                                          | 5 | 10 |
| CL952                          | Aquifer Mechanics                                            | 5 | 10 |
| CL951                          | Groundwater Flow Modelling                                   | 5 | 10 |
| CL954                          | Contaminated Land                                            | 5 | 10 |
| CL805                          | Environmental Geochemistry                                   | 5 | 10 |
| Students for the degree of MSc |                                                              |   |    |
| CL980                          | Project                                                      | 5 | 60 |

### **Optional Modules**

No fewer than 40 credits chosen from:

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| CL904       | Waste Management and Landfill Design             | 5     | 10      |
| CL948       | Principles of Environmental Microbiology         | 5     | 10      |
| CL960       | Fundamentals of Environmental Forensics          | 5     | 10      |
| CL961       | Geographical Information Systems (GIS)           | 5     | 10      |
| CL973       | Independent Study in Collaboration with Industry | 5     | 10      |
| CL987       | Engineering Hydrology                            | 5     | 10      |
| CL989       | Isotope Hydrology                                | 5     | 10      |
| EV921       | Water and Environmental Management               | 5     | 10      |
| Either      |                                                  |       |         |
| EV939       | Environmental Impact Assessment                  | 5     | 10      |
| Or          |                                                  |       |         |
| CL941       | Best practice in environmental impact assessment | 5     | 10      |

Exceptionally, such other Level 5 modules totalling no more than 20 credits, as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)

7. The final award will be based on performance in the examinations, coursework and, the Dissertation where undertaken.

#### **Award**

8. **Degree of MSc:** In order to qualify for the degree of MSc in Hydrogeology a candidate must have accumulated no fewer than 180 credits from the programme curriculum and a 60 credits dissertation CL980.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Hydrogeology a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Hydrogeology a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### SUSTAINABILITY AND ENVIRONMENTAL STUDIES

Master of Science in Sustainability and Environmental Studies  
Postgraduate Diploma in Sustainability and Environmental Studies  
Postgraduate Certificate in Sustainability and Environmental Studies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall:
  - i. possess a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in any discipline; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available via full-time and part-time study (on campus) and flexibly via on campus modular study or on and off campus part-time Distance Learning basis.

#### Curriculum

5. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), all students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| Either      |                                                              |       |         |
| CL804       | Research Methods for Quantitative and Qualitative Approaches | 5     | 10      |
| Or          |                                                              |       |         |
| CL997       | Research Methods for Quantitative and Qualitative Approaches | 5     | 10      |
| Either      |                                                              |       |         |

|                                      |                                                             |   |    |
|--------------------------------------|-------------------------------------------------------------|---|----|
| EV939                                | Environmental Impact Assessment                             | 5 | 10 |
| Or                                   |                                                             |   |    |
| CL941                                | Best practice in environmental impact assessment            | 5 | 10 |
| Either                               |                                                             |   |    |
| CL994                                | Circular economy and transformations towards sustainability | 5 | 10 |
| Or                                   |                                                             |   |    |
| CL988                                | Leading Issues in Circular Economy                          | 5 | 10 |
| Students for the degree of MSc only: |                                                             |   |    |
| CL980                                | Project                                                     | 5 | 60 |

### **Optional Modules**

No fewer than 90 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| CL904              | Waste Management and Landfill Design     | 5            | 10             |
| CL948              | Principles of Environmental Microbiology | 5            | 10             |
| CL961              | Geographical Information Systems         | 5            | 10             |
| CLxxx              | Environmental Geochemistry               | 5            | 10             |
| CL913              | Public Health Studies                    | 5            | 10             |
| CL960              | Fundamentals of Environmental Forensics  | 5            | 10             |
| Either             |                                          |              |                |
| EC928              | Energy Economics                         | 5            | 10             |
| Or                 |                                          |              |                |
| EC960              | Energy Economics                         | 5            | 10             |
| EV921              | Water and Environmental Management       | 5            | 10             |
| ME927              | Energy Resources and Policy              | 5            | 10             |
| CL946              | Global Water Policy                      | 5            | 10             |
| CL954              | Contaminated Land                        | 5            | 10             |
| CL978              | Water & Wastewater Treatment Design      | 5            | 10             |

|        |                                                             |   |    |
|--------|-------------------------------------------------------------|---|----|
| Either |                                                             |   |    |
| CL973  | Independent Study in Collaboration with Industry            | 5 | 10 |
| Or     |                                                             |   |    |
| CL998  | Independent Research Studies                                | 5 | 10 |
| Or     |                                                             |   |    |
| CL999  | Independent Research Studies                                | 5 | 10 |
| M9850  | International Environmental Law                             | 5 | 10 |
| Either |                                                             |   |    |
| EC927  | Environmental Economics                                     | 5 | 10 |
| Or     |                                                             |   |    |
| EC959  | Environmental Economics                                     | 5 | 10 |
| Either |                                                             |   |    |
| EC915  | Games of Strategy                                           | 5 | 10 |
| Or     |                                                             |   |    |
| EC958  | Games of Strategy                                           | 5 | 10 |
| EF929  | Financial Engineering                                       | 5 | 10 |
| Z1976  | Social Entrepreneurship                                     | 5 | 10 |
| CL935  | Hydrogeology                                                | 5 | 10 |
| EC961  | Economics of Inequality and Inclusive Growth                | 5 | 10 |
| EC962  | Regional Development Policy                                 | 5 | 10 |
| EC974  | Climate Change Economics                                    | 5 | 10 |
| EC978  | Natural Resources, Sustainability Governance                | 5 | 10 |
| NM969  | Renewable Marine Energy Systems                             | 5 | 10 |
| DM943  | Sustainable Product Design & Manufacturing                  | 5 | 10 |
| DM985  | Remanufacturing                                             | 5 | 10 |
| CS997  | Human Information Behaviour                                 | 5 | 10 |
| V1803  | Organic Machines, Engineered Environments and Hybrid Nature | 5 | 20 |

| Either |                           |   |    |
|--------|---------------------------|---|----|
| EC956  | International Development | 5 | 10 |
| Or     |                           |   |    |
| EC957  | International Development | 5 | 10 |

Exceptionally, such other Level 5 modules totalling no more than 20 credits, as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Sustainability and Environmental Studies, a candidate must have accumulated no fewer than 180 credits including 60 from CL980.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Sustainability and Environmental Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Sustainability and Environmental Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### ADVANCED MANUFACTURING: TECHNOLOGY AND SYSTEMS

Master of Science in Advanced Manufacturing: Technology and Systems  
Postgraduate Diploma in Advanced Manufacturing: Technology and Systems  
Postgraduate Certificate in Advanced Manufacturing: Technology and Systems

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits chosen from the Compulsory list,
  - ii. for the Postgraduate Diploma no fewer than 120 credits including all the Compulsory Modules, and
  - iii. for the degree of MSc no fewer than 180 credits including the Postgraduate Individual Project.

#### Compulsory Modules (Full-time Students)

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| DM920       | Strategic Technology Management              | 5     | 10      |
| DM931       | Postgraduate Group Project                   | 5     | 40      |
| DM939       | Digital Manufacturing                        | 5     | 10      |
| DM942       | Manufacturing Automation                     | 5     | 10      |
| DM946       | Micro- and Nano-Manufacturing                | 5     | 10      |
| DM947       | Advanced Forming and Technology Systems      | 5     | 10      |
| DM948       | Advanced Materials and Production Technology | 5     | 10      |

| Students for the degree of MSc: |                                 |   |    |
|---------------------------------|---------------------------------|---|----|
| DM932                           | Postgraduate Individual Project | 5 | 60 |

### **Compulsory Modules (Part-time Students)**

| Module Code                                 | Module Title                                  | Level | Credits |
|---------------------------------------------|-----------------------------------------------|-------|---------|
| DM920                                       | Strategic Technology Management               | 5     | 10      |
| OR                                          |                                               |       |         |
| DM814                                       | Technology and Innovation Management (online) | 5     | 10      |
| DM931                                       | Postgraduate Group Project                    | 5     | 40      |
| DM939                                       | Digital Manufacturing                         | 5     | 10      |
| DM942                                       | Manufacturing Automation                      | 5     | 10      |
| DM946                                       | Micro- and Nano-Manufacturing                 | 5     | 10      |
| DM947                                       | Advanced Forming and Technology Systems       | 5     | 10      |
| DM948                                       | Advanced Materials and Production Technology  | 5     | 10      |
| <b>Students for the degree of MSc only:</b> |                                               |       |         |
| DM932                                       | Postgraduate Individual Project               | 5     | 60      |

And 20 credits from the list of optional modules below.

### **Optional Modules**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| DM923       | Product Modelling and Visualisation  | 5     | 10      |
| DM927       | Strategic Supply Chain Management    | 5     | 10      |
| DM933       | Engineering Risk Management          | 5     | 10      |
| OR          |                                      |       |         |
| DM805       | Engineering Risk Management (online) | 5     | 10      |
| DM941       | Fundamentals of Lean Six Sigma       | 5     | 10      |



|       |                                                                       |   |    |
|-------|-----------------------------------------------------------------------|---|----|
| DM943 | Sustainable Product Design and Manufacturing                          | 5 | 10 |
| DM945 | Systems Thinking and Modelling                                        | 5 | 10 |
| OR    |                                                                       |   |    |
| DM808 | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5 | 10 |
| DM955 | Total Quality Management                                              | 5 | 10 |
| OR    |                                                                       |   |    |
| DM809 | Management of Total Quality and Continuous Improvement (online)       | 5 | 10 |
| DM986 | Mechatronic Systems Design Techniques                                 | 5 | 10 |
| EF931 | Project Management                                                    | 5 | 10 |
| OR    |                                                                       |   |    |
| DM811 | Project Management (online)                                           | 5 | 10 |

**Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Leader.**

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken and, if required.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Manufacturing: Technology and Systems a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the programme curriculum, of which 60 must have been awarded in respect of the Individual Project DM932.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Manufacturing: Technology and Systems, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Manufacturing: Technology and Systems, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT**

### **DESIGN ENGINEERING**

**Master of Science in Design Engineering**  
**Postgraduate Diploma in Design Engineering**  
**Postgraduate Certificate in Design Engineering**

**Master of Science in Design Engineering with Sustainability**  
**Postgraduate Diploma in Design Engineering with Sustainability**  
**Postgraduate Certificate in Design Engineering with Sustainability**

**Master of Science in Design Engineering with Advanced Product Development**  
**Postgraduate Diploma in Design Engineering with Advanced Product Development**  
**Postgraduate Certificate in Design Engineering with Advanced Product Development**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), successful applicants shall possess:
  - i. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of the Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time or part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits must be completed with at least 10 credits from the chosen specialisation.
  - ii. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules and all the specialist modules from the chosen specialisation.
  - iii. for the degree of MSc no fewer than 180 credits including all the compulsory modules and all the specialist from the chosen specialisation, including a 10 credit option, plus the Postgraduate Individual Project DM932.
6. Students will have the option to study:
  - i. Design Engineering; or

- ii. Design Engineering with Sustainability; or
- iii. Design Engineering with Advanced Product Development

7. Students are required to take all compulsory modules relevant to their chosen specialisation.

**Compulsory Modules (All Specialisations – Full-time and Part-time Students)**

| Module Code                                 | Module Title                      | Level | Credits |
|---------------------------------------------|-----------------------------------|-------|---------|
| DM503                                       | Global Design                     | 5     | 10      |
| DM923                                       | Product Modelling & Visualisation | 5     | 10      |
| DM931                                       | Industry Group Project            | 5     | 40      |
| DM934                                       | Design Methods                    | 5     | 10      |
| EF927                                       | Design Management                 | 5     | 10      |
| <b>Students for the degree of MSc only:</b> |                                   |       |         |
| DM932                                       | Postgraduate Individual Project   | 5     | 60      |

Together with modules appropriate to the chosen specialisation:

**Design Engineering (Full-time Students)**

30 credits from:

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| AB975       | Sustainability                               | 5     | 10      |
| DM933       | Engineering Risk Management                  | 5     | 10      |
| DM943       | Sustainable Product Design and Manufacturing | 5     | 10      |
| DM948       | Advanced Materials & Production Technology   | 5     | 10      |
| DM985       | Remanufacturing                              | 5     | 10      |
| DM986       | Mechatronic Systems Design Techniques        | 5     | 10      |

**Design Engineering (Part-time Students)**

30 credits from:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                              |   |    |
|-------|----------------------------------------------|---|----|
| AB975 | Sustainability                               | 5 | 10 |
| DM933 | Engineering Risk Management                  | 5 | 10 |
| OR    |                                              |   |    |
| DM805 | Engineering Risk Management (online)         | 5 | 10 |
| DM943 | Sustainable Product Design and Manufacturing | 5 | 10 |
| DM948 | Advanced Materials & Production Technology   | 5 | 10 |
| DM985 | Remanufacturing                              | 5 | 10 |
| DM986 | Mechatronic Systems Design Techniques        | 5 | 10 |

### **Design Engineering with Sustainability (Full-time and Part-time Students)**

30 credits from:

| <b>Module Code</b> | <b>Module Title</b>                             | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------|--------------|----------------|
| AB975              | Sustainability                                  | 5            | 10             |
| DM943              | Sustainability Product Design and Manufacturing | 5            | 10             |
| DM985              | Remanufacturing                                 | 5            | 10             |

### **Design Engineering with Advanced Product Development (Full-time Students)**

30 credits from:

| <b>Module Code</b> | <b>Module Title</b>                        | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------|--------------|----------------|
| DM986              | Mechatronic Systems Design Techniques      | 5            | 10             |
| DM933              | Engineering Risk Management                | 5            | 10             |
| DM948              | Advanced Materials & Production Technology | 5            | 10             |

### **Design Engineering with Advanced Product Development (Part-time Students)**

30 credits from:

| <b>Module Code</b> | <b>Module Title</b>                   | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------|--------------|----------------|
| DM986              | Mechatronic Systems Design Techniques | 5            | 10             |

|       |                                            |   |    |
|-------|--------------------------------------------|---|----|
| DM933 | Engineering Risk Management                | 5 | 10 |
| OR    |                                            |   |    |
| DM805 | Engineering Risk Management (online)       | 5 | 10 |
| DM948 | Advanced Materials & Production Technology | 5 | 10 |

### **Optional Modules**

All Students must select 10 optional credits from the following list:

| Module Code | Module Title                                                          | Level | Credits |
|-------------|-----------------------------------------------------------------------|-------|---------|
| AB975       | Sustainability                                                        | 5     | 10      |
| DM920       | Strategic Technology Management                                       | 5     | 10      |
| OR          |                                                                       |       |         |
| DM814       | Technology and Innovation Management (online)                         | 5     | 10      |
| DM926       | Supply Chain Operations                                               | 5     | 10      |
| DM933       | Engineering Risk Management                                           | 5     | 10      |
| OR          |                                                                       |       |         |
| DM805       | Engineering Risk Management (online)                                  | 5     | 10      |
| DM941       | Fundamentals of Lean Six Sigma                                        | 5     | 10      |
| DM942       | Manufacturing Automation                                              | 5     | 10      |
| DM943       | Sustainable Product Design and Manufacturing                          | 5     | 10      |
| DM945       | System Thinking and Modelling                                         | 5     | 10      |
| OR          |                                                                       |       |         |
| DM808       | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5     | 10      |
| DM948       | Advanced Materials & Production Technology                            | 5     | 10      |
| DM955       | Total Quality Management                                              | 5     | 10      |
| OR          |                                                                       |       |         |

|       |                                                                 |   |    |
|-------|-----------------------------------------------------------------|---|----|
| DM809 | Management of Total Quality and Continuous improvement (online) | 5 | 10 |
| DM981 | Management of Innovation                                        | 5 | 10 |
| DM983 | Design Form and Aesthetics                                      | 5 | 10 |
| DM984 | Human Centred Design                                            | 5 | 10 |
| DM985 | Remanufacturing                                                 | 5 | 10 |

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### Examination, Progress and Final Assessment

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. The final award will be based on performance in the examinations, coursework, and the Individual Project where undertaken.

### Award

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Design Engineering and in Design Engineering with Sustainability and in Design Engineering with Advanced Product Development a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits including all the compulsory modules and the relevant specialisation modules.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Design Engineering and in Design Engineering with Sustainability and in Design Engineering with Advanced Product Development a candidate must have accumulated no fewer than 120 credits including all the compulsory modules and all the specialist modules from the chosen specialisation.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Design Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.
13. **Postgraduate Certificate in Design Engineering with Sustainability and in Design Engineering with Advanced Product Development:** In order to qualify for the award of the Postgraduate Certificate in Design Engineering with Sustainability and in Design Engineering with Advanced Product Development a candidate must have accumulated no fewer than 60 credits, with at least 10 credits from the chosen specialisation.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### DIGITAL MANUFACTURING

Master of Science in Digital Manufacturing  
Postgraduate Diploma in Digital Manufacturing  
Postgraduate Certificate in Digital Manufacturing

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes may be available by full-time or part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the DM932 project

#### Compulsory Modules

| Module Code                                 | Module Title                                               | Level | Credits |
|---------------------------------------------|------------------------------------------------------------|-------|---------|
| DM931                                       | Postgraduate Group Project                                 | 5     | 40      |
| DM939                                       | Digital Manufacturing                                      | 5     | 10      |
| DM942                                       | Manufacturing Automation                                   | 5     | 10      |
| DM951                                       | Design for Industry 4 and Smart Products                   | 5     | 10      |
| DM954                                       | Intelligent Sensing and Reasoning through Machine Learning | 5     | 10      |
| DM986                                       | Mechatronic Systems Design Techniques                      | 5     | 10      |
| <b>Students for the degree of MSc only:</b> |                                                            |       |         |
| DM932                                       | Postgraduate Individual Project                            | 5     | 60      |

### **Optional Modules**

No fewer than 30 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                                   | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------------------|--------------|----------------|
| DM920              | Strategic Technology Management                                       | 5            | 10             |
| OR                 |                                                                       |              |                |
| DM814              | Technology and Innovation Management (online)                         | 5            | 10             |
| DM943              | Sustainable Product Design & Manufacturing                            | 5            | 10             |
| DM945              | Systems Thinking and Modelling                                        | 5            | 10             |
| OR                 |                                                                       |              |                |
| DM808              | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5            | 10             |
| DM946              | Micro- and Nano-Manufacturing                                         | 5            | 10             |
| DM948              | Advanced Materials & Production Technology                            | 5            | 10             |
| DM981              | Management of Innovation                                              | 5            | 10             |
| DM994              | Systems Engineering Concepts                                          | 5            | 10             |
| EE992              | Neural Networks and Deep Learning                                     | 5            | 10             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Not all optional modules in this list will be available each year.

### **Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Digital Manufacturing, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the DM932 Postgraduate Individual Project.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Digital Manufacturing, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Digital Manufacturing, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.



# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### ENGINEERING MANAGEMENT FOR PROCESS EXCELLENCE

Master of Science in Engineering Management for Process Excellence  
Postgraduate Diploma in Engineering Management for Process Excellence  
Postgraduate Certificate in Engineering Management for Process Excellence

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time or part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules,
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the lists of taught modules,
  - iii. for the degree of MSc no fewer than 180 credits including the DM932 Postgraduate Individual Project.

#### **Compulsory Modules (Full-time Students)**

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| DM926       | Supply Chain Operations        | 5     | 10      |
| DM928       | Enterprise Resource Planning   | 5     | 10      |
| DM931       | Postgraduate Group Project     | 5     | 40      |
| DM941       | Fundamentals of Lean Six Sigma | 5     | 10      |
| DM955       | Total Quality Management       | 5     | 10      |
| DM981       | Management of Innovation       | 5     | 10      |
| EF931       | Project Management             | 5     | 10      |

**Students for the degree of MSc only:**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| DM932       | Postgraduate Individual Project | 5     | 60      |

**Compulsory Modules (Part-time Students)**

| Module Code | Module Title                                                    | Level | Credits |
|-------------|-----------------------------------------------------------------|-------|---------|
| DM926       | Supply Chain Operations                                         | 5     | 10      |
| DM928       | Enterprise Resource Planning                                    | 5     | 10      |
| DM931       | Postgraduate Group Project                                      | 5     | 40      |
| DM941       | Fundamentals of Lean Six Sigma                                  | 5     | 10      |
| DM955       | Total Quality Management                                        | 5     | 10      |
| OR          |                                                                 |       |         |
| DM809       | Management of Total Quality and Continuous Improvement (online) | 5     | 10      |
| DM981       | Management of Innovation                                        | 5     | 10      |
| EF931       | Project Management                                              | 5     | 10      |
| OR          |                                                                 |       |         |
| DM811       | Project Management (online)                                     | 5     | 10      |

**Students for the degree of MSc only:**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| DM932       | Postgraduate Individual Project | 5     | 60      |

**Optional Modules (Full-time and Part-time Students)**

No fewer than 20 credits chosen from:

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| DM918       | People, Organisation and Technology          | 5     | 10      |
| OR          |                                              |       |         |
| DM810       | People, Organisation and Leadership (online) | 5     | 10      |
| DM920       | Strategic Technology Management              | 5     | 10      |
| OR          |                                              |       |         |

|       |                                                                       |   |    |
|-------|-----------------------------------------------------------------------|---|----|
| DM814 | Technology and Innovation Management (online)                         | 5 | 10 |
| DM927 | Strategic Supply Chain Management                                     | 5 | 10 |
| DM945 | Systems Thinking and Modelling                                        | 5 | 10 |
| OR    |                                                                       |   |    |
| DM808 | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5 | 10 |
| MS922 | Quantitative Business Analysis                                        | 5 | 10 |
| MS929 | Performance Measurement and Management                                | 5 | 10 |
| MS980 | Business Analytics                                                    | 5 | 10 |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Co-ordinator.

**Students for the Postgraduate Diploma only, will have the additional optional module:**

| Module Code | Module Title             | Level | Credits |
|-------------|--------------------------|-------|---------|
| DM815       | PGDip Individual Project | 5     | 20      |

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the Postgraduate Individual Project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Engineering Management for Process Excellence a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the DM932 Postgraduate Individual Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Engineering Management for Process Excellence a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Engineering Management for Process Excellence a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### GLOBAL DESIGN INNOVATION

#### Master of Science in Global Design Innovation

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

1. The programme is offered jointly between the University of Strathclyde, and Singapore University of technology and the awards are made in the name of two universities. Students shall be subject to the programme regulations that have been adopted by both Universities and to any other General Regulations, etc. of the University at which they are studying.
2. The University of Strathclyde will be the administering University and will chair a Joint Course Management Committee made up of the programme directors from both partner institutions. The administering University will be responsible for administering the application process, collecting and distributing fees to partners and heading the Board of Examiners.

#### Admission

3. Candidates shall normally possess:
  - i. a bachelor's degree or the normal equivalent, at the equivalent of upper 2nd class level, in an Engineering, Science or Technology subject; and
  - ii. be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

5. The programme will be taught at University of Strathclyde in the first year by staff of the Faculty of Engineering. The programme will be taught at Singapore University of Technology in the second year by staff of Engineering Product Development Pillar.

#### Nature of Study

6. The programme is available by full-time study only.

#### Curriculum

7. **First Year** - All students shall spend the first year at Strathclyde and undertake modules amounting to no fewer than 120 credits as follows:

#### Compulsory Modules

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| DM931       | Postgraduate Group Project | 5     | 40      |
| DM503       | Global Design              | 5     | 10      |

|       |                                     |   |    |
|-------|-------------------------------------|---|----|
| DM920 | Strategic Technology Management     | 5 | 10 |
| DM918 | People, Organisation and Technology | 5 | 10 |
| DM981 | Management of Innovation            | 5 | 10 |
| EF927 | Design Management                   | 5 | 10 |

### **Optional Modules**

No fewer than 30 credits chosen from the sections below.

20 credits must be selected from the following:

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| DM923       | Product Modelling & Visualisation            | 5     | 10      |
| DM934       | Design Methods                               | 5     | 10      |
| DM943       | Sustainable Product Design and Manufacturing | 5     | 10      |
| DM984       | Human Centred Design                         | 5     | 10      |

10 credits must selected be from the following:

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| DM927       | Strategic Supply Chain Management        | 5     | 10      |
| DM928       | Enterprise Resource Planning             | 5     | 10      |
| DM933       | Engineering Risk Management              | 5     | 10      |
| DM944       | Product Costing and Financial Management | 5     | 10      |
| DM945       | Systems Thinking and Modelling           | 5     | 10      |

Such other modules as may be approved by the Programme Leader.

8. **Second Year** - Students shall spend their second year at Singapore University of Technology and Design and undertake modules amounting to no fewer than 120 credits as follows:

### **Compulsory Modules**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| EX9XX       | MSc Project  | 5     | 60      |

|       |                             |   |    |
|-------|-----------------------------|---|----|
| EX9XX | Design Science              | 5 | 20 |
| EX9XX | Individual Industry Project | 5 | 20 |
| EX9XX | Research Methods            | 5 | 20 |

### **Examination, Progress and Final Assessment**

9. Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and in the Project for the degree award of MSc.
10. In order to progress to the second year of the programme, a student must normally have accumulated at least 120 credits from the agreed curriculum.
11. Candidates who fail to satisfy the Board of Examiners in any taught module shall, at the discretion of the Board of Examiners, be permitted one further attempt to pass the relevant module(s) at the earliest opportunity and no longer than two years after the initial attempt.
12. The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### **Award**

13. **Degree of MSc:** In order to qualify for the award of the joint degree of MSc in Global Design Innovation, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 240 credits of which 60 must have been awarded in respect of the Individual Project (thesis).

### **Transfer**

14. A candidate who fails to meet the requirements for the degree of MSc in Global Design Innovation may be transferred to the Postgraduate Diploma or Postgraduate Certificate in Global Design Innovation, to be awarded by the University of Strathclyde only.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### GLOBAL DESIGN INNOVATION

**Postgraduate Diploma in Global Design Innovation**  
**Postgraduate Certificate in Global Design Innovation**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Students will have been admitted in the first instance to the degree of MSc in Global Design Innovation.

#### **Nature of Study**

2. The programme is available by full-time study only.

#### **Curriculum**

3. See Regulation 7, First Year Curriculum, Master of Science in Global Design Innovation.

#### **Examination, Progress and Final Assessment**

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
5. The final award will be based on performance in the examinations and coursework and, if required, in an oral examination.

#### **Award**

6. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Global Design Innovation, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Global Design Innovation, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### GLOBAL INNOVATION MANAGEMENT

#### MSc in Global Innovation Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

The programme is offered jointly between the University of Strathclyde and Hamburg University of Technology and the awards are made in the name of the two universities.

Students shall be subject to the programme regulations that have been adopted by both Universities and to any other General Regulations, etc. of the University at which they are studying.

The University of Strathclyde will be the administering University and will chair a Joint Programme Management Committee made up of the programme directors from both partner institutions. The administering University will be responsible for administering the application process, collecting and distributing fees to partners and heading the board of examiners.

#### Admission

1. Candidates shall possess:
  - i. a Bachelor degree or the normal equivalent, at the equivalent of 2nd class level, in an Engineering, Science or Technology subject,
  - ii. be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

3. The programme will be taught at the University of Strathclyde in the first year. At Strathclyde the programme will be taught by staff of the Faculty of Engineering, and by staff of the School of Management Sciences and Technology at Hamburg.

#### Nature of Study

4. The programme is available by full-time study only.

#### Curriculum

5. **First Year** - All students shall spend the first year at Strathclyde and undertake modules amounting to no fewer than 120 credits (60 ECTS, European Credit Transfer System) as follows:

#### Compulsory Modules (ECTS)

| Module Code | Module Title                | Level | Credits (ECTS) |
|-------------|-----------------------------|-------|----------------|
| DM931       | Post Graduate Group Project | 5     | 40 (20)        |



|       |                                 |   |        |
|-------|---------------------------------|---|--------|
| DM503 | Global Design                   | 5 | 10 (5) |
| DM920 | Strategic Technology Management | 5 | 10 (5) |
| DM926 | Supply Chain Operations         | 5 | 10 (5) |
| DM981 | Management of Innovation        | 5 | 10 (5) |
| EF927 | Design Management               | 5 | 10 (5) |

### **Optional Modules**

No fewer than 30 credits (15 ECTS) chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                    | <b>Level</b> | <b>Credits (ECTS)</b> |
|--------------------|--------------------------------------------------------|--------------|-----------------------|
| DM918              | People, Organisation and Technology                    | 5            | 10 (5)                |
| DM923              | Product Modelling and Visualisation                    | 5            | 10 (5)                |
| DM986              | Mechatronic System Design Techniques                   | 5            | 10 (5)                |
| DM927              | Strategic Supply Chain Management                      | 5            | 10 (5)                |
| DM928              | Enterprise Resource Planning                           | 5            | 10 (5)                |
| DM933              | Engineering Risk Management                            | 5            | 10 (5)                |
| DM934              | Design Methods                                         | 5            | 10 (5)                |
| DM935              | Management of Total Quality and Continuous Improvement | 5            | 10 (5)                |
| DM941              | Fundamentals of Lean Six Sigma                         | 5            | 10 (5)                |
| DM943              | Sustainable Product Design and Manufacturing           | 5            | 10 (5)                |
| DM944              | Product Costing and Financial Management               | 5            | 10 (5)                |
| DM945              | Systems Thinking and Modelling                         | 5            | 10 (5)                |
| DM948              | Advanced Materials and Production Technology           | 5            | 10 (5)                |
| DM983              | Design Form and Aesthetics                             | 5            | 10 (5)                |
| DM984              | Human Centred Design                                   | 5            | 10 (5)                |

Such other modules as may be approved by the Programme Coordinator.

6. **Second Year** - Students shall spend their second year at University of Technology and undertake modules amounting to no fewer than 120 credits (60 ECTS) as follows:

## Hamburg University of Technology

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| DM910       | Master Thesis                      | 5     | 60 (30) |
| EX944       | Product Planning                   | 5     | 12 (6)  |
| EX945       | Seminar in Marketing of Innovation | 5     | 12 (6)  |
| EX946       | Technology Management              | 5     | 12 (6)  |
| EX964       | Marketing and Communications       | 5     | 12 (6)  |

### Optional Modules

| Module Code                                                                 | Module Title           | Level | Credits |
|-----------------------------------------------------------------------------|------------------------|-------|---------|
| Either                                                                      |                        |       |         |
| EX923                                                                       | External Study Credits | 5     | 12 (6)  |
| Or                                                                          |                        |       |         |
| Such other modules at Level 5 as may be approved by the Programme Director. |                        |       |         |

### **Examination, Progress and Final Assessment**

- Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the course work and in the Project for the degree award of MSc.
- In order to progress to the second year of the programme, a student must normally have accumulated at least 120 credits/ 60 ECTS from the agreed curriculum.
- Candidates who fail to satisfy the Board of Examiners in any taught module shall, at the discretion of the Board of Examiners, be permitted one further attempt to pass the relevant module(s) at the earliest opportunity and no longer than two years after the initial attempt.
- The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the joint degree of MSc in Global Innovation Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 240 credits (120 ECTS) of which 60 must have been awarded in respect of the Individual Project (thesis).

### **Transfer**

- A candidate who fails to meet the requirements for the degree of MSc in Global Innovation Management may be transferred to the Postgraduate Diploma or Postgraduate Certificate in Global Innovation Management, to be awarded by the University of Strathclyde only.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### GLOBAL INNOVATION MANAGEMENT

**Postgraduate Diploma in Global Innovation Management**  
**Postgraduate Certificate in Global Innovation Management**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Students will have been admitted in the first instance to the degree of MSc in Global Innovation Management.

#### **Nature of Study**

2. The programme is available by full-time study only.

#### **Curriculum**

3. See Regulation 5, First Year Curriculum, Master of Science in Global Innovation Management.

#### **Examination, Progress and Final Assessment**

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
5. The final award will be based on performance in the examinations and coursework.

#### **Award**

6. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Global Innovation Management, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Global Innovation Management, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### INDUSTRIAL ENGINEERING

Master of Science in Industrial Engineering  
Postgraduate Diploma in Industrial Engineering  
Postgraduate Certificate in Industrial Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes may be available by full-time or part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught modules
  - ii. for the Postgraduate Diploma – no fewer than 120 credits from the lists of taught modules
  - iii. for the degree of MSc – no fewer than 180 credits including the DM932 project

#### Compulsory Modules

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| DM918       | People, Organisation and Technology                    | 5     | 10      |
| DM920       | Strategic Technology Management                        | 5     | 10      |
| DM927       | Strategic Supply Chain Management                      | 5     | 10      |
| DM931       | Postgraduate Group Project                             | 5     | 40      |
| DM935       | Management of Total Quality and Continuous Improvement | 5     | 10      |
| DM941       | Fundamentals of Lean Six Sigma                         | 5     | 10      |
| DM945       | Systems Thinking and Modelling                         | 5     | 10      |

| Students for the degree of MSc only: |                                 |   |    |
|--------------------------------------|---------------------------------|---|----|
| DM932                                | Postgraduate Individual Project | 5 | 60 |

### **Optional Modules**

No fewer than 20 credits chosen from:

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| DM939       | Digital Manufacturing Concepts             | 5     | 10      |
| DM942       | Manufacturing Automation                   | 5     | 10      |
| DM943       | Sustainable Product Design & Manufacturing | 5     | 10      |
| DM948       | Advanced Materials & Production Technology | 5     | 10      |
| DM981       | Management of Innovation                   | 5     | 10      |
| EF931       | Project Management                         | 5     | 10      |
| DM944       | Product Costing & Financial Management     | 5     | 10      |

Exceptionally, such other modules totalling no more than 10 credits, as approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Industrial Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the DM932 Postgraduate Individual Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Industrial Engineering, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Industrial Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### LEAN SIX SIGMA FOR PROCESS EXCELLENCE

Master of Science in Lean Six Sigma for Process Excellence

Postgraduate Diploma in Lean Six Sigma for Process Excellence

Postgraduate Certificate in Lean Six Sigma for Process Excellence

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

2. The programmes are available by full-time or part-time study.

#### Curriculum

3. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including an Individual Project

#### Compulsory Modules

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| DM918       | People, Organisation and Technology                    | 5     | 10      |
| DM931       | Postgraduate Group Project                             | 5     | 40      |
| DM935       | Management of Total Quality and Continuous Improvement | 5     | 10      |
| DM941       | Fundamentals of Lean Six Sigma                         | 5     | 10      |
| DM945       | Systems Thinking and Modelling                         | 5     | 10      |
| MS922       | Quantitative Business Analysis                         | 5     | 10      |

#### Optional Modules

No fewer than 20 credits chosen from:

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| DM926       | Supply Chain Operations       | 5     | 10      |
| MS957       | Service Operations Management | 5     | 10      |

|       |                             |   |    |
|-------|-----------------------------|---|----|
| MS969 | Advanced Project Management | 5 | 10 |
|-------|-----------------------------|---|----|

Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Director.

#### **Students for the degree of MSc only**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| DM932       | Individual Project | 5     | 60      |

#### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Lean Six Sigma for Process Excellence, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Individual Project DM932.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Lean Six Sigma for Process Excellence a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Lean Six Sigma for Process Excellence a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### MANUFACTURING MANAGEMENT

Master of Science in Manufacturing Management  
Postgraduate Diploma in Manufacturing Management  
Postgraduate Certificate in Manufacturing Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)

#### Mode of Study

3. The programmes may be available by full-time or part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of MSc – no fewer than 180 credits including the DM932 project

#### Compulsory Modules

| Module Code                            | Module Title                                           | Level | Credits |
|----------------------------------------|--------------------------------------------------------|-------|---------|
| DM918                                  | People, Organisation and Technology                    | 5     | 10      |
| DM920                                  | Strategic Technology Management                        | 5     | 10      |
| DM927                                  | Strategic Supply Chain Management                      | 5     | 10      |
| DM931                                  | Postgraduate Group Project                             | 5     | 40      |
| DM933                                  | Engineering Risk Management                            | 5     | 10      |
| DM935                                  | Management of Total Quality and Continuous Improvement | 5     | 10      |
| DM939                                  | Digital Manufacturing                                  | 5     | 10      |
| <b>Students for the degree of MSc:</b> |                                                        |       |         |
| DM932                                  | Postgraduate Individual Project                        | 5     | 60      |



### **Optional Modules**

No fewer than 20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                        | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------|--------------|----------------|
| DM943              | Sustainable Product Design & Manufacturing | 5            | 10             |
| DM945              | Systems Thinking and Modelling             | 5            | 10             |
| DM946              | Micro- and Nano-Manufacturing              | 5            | 10             |
| DM948              | Advanced Materials & Production Technology | 5            | 10             |
| DM985              | Remanufacturing                            | 5            | 10             |

Exceptionally, such other modules totalling no more than 10 credits, as approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)
6. The final award will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Manufacturing Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the DM932 Postgraduate Individual Project.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Manufacturing Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Manufacturing Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### MECHATRONICS AND AUTOMATION

Master of Science in Mechatronics and Automation  
Postgraduate Diploma in Mechatronics and Automation  
Postgraduate Certificate in Mechatronics and Automation

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes may be available by full-time or part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the lists of taught modules
  - iii. for the degree of MSc no fewer than 180 credits including DM932 Postgraduate Individual Project

#### **Compulsory Modules (Full-time Students)**

| Module Code                                 | Module Title                          | Level | Credits |
|---------------------------------------------|---------------------------------------|-------|---------|
| DM923                                       | Product Modelling and Visualisation   | 5     | 10      |
| DM931                                       | Postgraduate Group Project            | 5     | 40      |
| DM933                                       | Engineering Risk Management           | 5     | 10      |
| DM939                                       | Digital Manufacturing                 | 5     | 10      |
| DM942                                       | Manufacturing Automation              | 5     | 10      |
| DM986                                       | Mechatronic Systems Design Techniques | 5     | 10      |
| <b>Students for the degree of MSc only:</b> |                                       |       |         |

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| DM932 | Postgraduate Individual Project | 5 | 60 |
|-------|---------------------------------|---|----|

### **Compulsory Modules (Part-time Students)**

| Module Code                                 | Module Title                          | Level | Credits |
|---------------------------------------------|---------------------------------------|-------|---------|
| DM923                                       | Product Modelling and Visualisation   | 5     | 10      |
| DM931                                       | Postgraduate Group Project            | 5     | 40      |
| DM933                                       | Engineering Risk Management           | 5     | 10      |
| OR                                          |                                       |       |         |
| DM805                                       | Engineering Risk Management (online)  | 5     | 10      |
| DM939                                       | Digital Manufacturing                 | 5     | 10      |
| DM942                                       | Manufacturing Automation              | 5     | 10      |
| DM986                                       | Mechatronic Systems Design Techniques | 5     | 10      |
| <b>Students for the degree of MSc only:</b> |                                       |       |         |
| DM932                                       | Postgraduate Individual Project       | 5     | 60      |

### **Optional Modules**

No fewer than 30 credits chosen from:

| Module Code | Module Title                                                          | Level | Credits |
|-------------|-----------------------------------------------------------------------|-------|---------|
| DM934       | Design Methods                                                        | 5     | 10      |
| DM945       | Systems Thinking and Modelling                                        | 5     | 10      |
| OR          |                                                                       |       |         |
| DM808       | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5     | 10      |
| DM954       | Intelligent Sensing and Reasoning through Machine Learning            | 5     | 10      |
| EE474       | Robotics: Systems and Control                                         | 5     | 10      |
| EE872       | Control Principles 1                                                  | 5     | 10      |
| EE885       | Software Design & Programming for Engineering                         | 5     | 10      |

|                                 |                                   |   |    |
|---------------------------------|-----------------------------------|---|----|
| EE972                           | Control Principles                | 5 | 20 |
| EE992                           | Neural Networks and Deep Learning | 5 | 10 |
| EF931                           | Project Management                | 5 | 10 |
| OR                              |                                   |   |    |
| DM811                           | Project Management (online)       | 5 | 10 |
| September-intake students only: |                                   |   |    |
| VP513                           | VIP for Sustainable Development 5 | 5 | 20 |

**Students for the Postgraduate Diploma only, will have the additional optional module:**

| Module Code | Module Title             | Level | Credits |
|-------------|--------------------------|-------|---------|
| DM815       | PGDip Individual Project | 5     | 20      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Mechatronics and Automation, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Postgraduate Individual Project DM932.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Mechatronics and Automation, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Mechatronics and Automation, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN MANUFACTURING AND ENGINEERING MANAGEMENT

### POSTGRADUATE DIPLOMA – DEGREE APPRENTICESHIP POSTGRADUATE ENGINEER IN ENGINEERING MANAGEMENT

Postgraduate Diploma – Degree Apprenticeship Postgraduate Engineer in Engineering Management

Postgraduate Certificate – Degree Apprenticeship Postgraduate Engineer in Engineering Management

*These regulations are to be read in conjunction with [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).*

#### Admission

1. Students will be admitted to the programme via employer selection and academic agreement.

#### Duration of Study

2. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) the maximum period of study shall be as follows:
  - i. Postgraduate Diploma by part-time study 48 months
  - ii. Postgraduate Certificate by part-time study 24 months

#### Mode of Study

3. The programmes are available by part-time study whilst student is in full-time employment. Learning will be delivered online.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Diploma no fewer than 120 credits,
  - ii. for the Postgraduate Certificate no fewer than 60 credits.

**First year** - All students shall undertake modules amounting to 60 credits as follows:

#### Compulsory Modules

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| DM805       | Engineering Risk Management         | 5     | 10      |
| DM810       | People, Organisation and Leadership | 5     | 10      |
| DM811       | Project Management                  | 5     | 10      |
| DM812       | Strategic Procurement Management    | 5     | 10      |
| EF960       | Engineering Project A               | 5     | 20      |

**Second Year** – All students shall undertake modules amounting to 60 credits as follows:

**Compulsory Modules**

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| DM809       | Management of Total Quality and Continuous Improvement | 5     | 10      |
| DM814       | Technology and Innovation Management                   | 5     | 10      |
| EF961       | Engineering Project B                                  | 5     | 20      |

**Optional Modules**

20 Optional Credits from:

| Module Code | Module Title                                                          | Level | Credits |
|-------------|-----------------------------------------------------------------------|-------|---------|
| DM808       | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5     | 10      |
| DM807       | Financial information (online)                                        | 5     | 10      |
| EO901       | Principles and Advanced Applications of Non-Destructive Evaluation    | 5     | 20      |

**Progress**

4. In order to progress to the second year of the programme see [General Academic Regulations – Postgraduate Taught Degree Programme Level](#)

**Award**

5. **Postgraduate Diploma – Degree Apprenticeship Postgraduate Engineer in Engineering Management:** In order to qualify for the award of Postgraduate Diploma – Degree Apprenticeship Postgraduate Engineer in Engineering Management, see [General Academic Regulations – Postgraduate Taught Degree Programme Level](#)
6. **Postgraduate Certificate – Degree Apprenticeship Postgraduate Engineer in Engineering Management:** In order to qualify for the award of Postgraduate Certificate – Degree Apprenticeship Postgraduate Engineer in Engineering Management, see [General Academic Regulations – Postgraduate Taught Programme Level](#)

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### PRODUCT DESIGN

**Master of Science in Product Design**

**Postgraduate Diploma in Product Design**

**Postgraduate Certificate in Product Design**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), successful applicants shall possess:
  - i. a first or second class Honours degree in a Design, Product Development, Science, Technology or Engineering subject; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of the Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time or part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the list of taught modules
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the list of taught modules
  - iii. for the degree of MSc no fewer than 180 credits

#### **Compulsory Modules**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| DM503       | Global Design                       | 5     | 10      |
| DM923       | Product Modelling and Visualisation | 5     | 10      |
| DM931       | Industry Group Project              | 5     | 40      |
| DM934       | Design Methods                      | 5     | 10      |

|                                             |                                 |   |    |
|---------------------------------------------|---------------------------------|---|----|
| DM981                                       | Management of Innovation        | 5 | 10 |
| DM983                                       | Design Form and Aesthetics      | 5 | 10 |
| DM984                                       | Human Centred Design            | 5 | 10 |
| EF927                                       | Design Management               | 5 | 10 |
| <b>Students for the degree of MSc only:</b> |                                 |   |    |
| DM932                                       | Postgraduate Individual Project | 5 | 60 |

### **Optional Modules**

10 Optional Credits from:

| <b>Module Code</b> | <b>Module Title</b>                                                   | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------------------|--------------|----------------|
| AB975              | Sustainability                                                        | 5            | 10             |
| DM918              | People, Organisation and Technology                                   | 5            | 10             |
| OR                 |                                                                       |              |                |
| DM810              | People, Organisation and Leadership (online)                          | 5            | 10             |
| DM920              | Strategic Technology Management                                       | 5            | 10             |
| OR                 |                                                                       |              |                |
| DM814              | Technology and Innovation Management (online)                         | 5            | 10             |
| DM926              | Supply Chain Operations                                               | 5            | 10             |
| DM927              | Strategic Supply Management                                           | 5            | 10             |
| DM933              | Engineering Risk Management                                           | 5            | 10             |
| OR                 |                                                                       |              |                |
| DM805              | Engineering Risk Management (online)                                  | 5            | 10             |
| DM941              | Fundamentals of Lean Six Sigma                                        | 5            | 10             |
| DM943              | Sustainability Product Design                                         | 5            | 10             |
| DM945              | Systems Thinking and Modelling                                        | 5            | 10             |
| OR                 |                                                                       |              |                |
| DM808              | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5            | 10             |



|       |                                                                 |   |    |
|-------|-----------------------------------------------------------------|---|----|
| DM948 | Advanced Material and Production Technology                     | 5 | 10 |
| DM955 | Total Quality Management                                        | 5 | 10 |
| OR    |                                                                 |   |    |
| DM809 | Management of Total Quality and Continuous Improvement (online) | 5 | 10 |
| DM985 | Remanufacturing                                                 | 5 | 10 |
| DM986 | Mechatronic Systems Design Techniques                           | 5 | 10 |

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Product Design, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Postgraduate Individual Project DM932.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Product Design, a candidate must normally have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Product Design, a candidate must normally have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### SUPPLY CHAIN MANAGEMENT PROGRAMMES

Master of Science in Supply Chain and Logistics Management  
Postgraduate Diploma in Supply Chain and Logistics Management  
Postgraduate Certificate in Supply Chain and Logistics Management

Master of Science in Supply Chain and Procurement Management  
Postgraduate Diploma in Supply Chain and Procurement Management  
Postgraduate Certificate in Supply Chain and Procurement Management

Master of Science in Supply Chain and Sustainability Management  
Postgraduate Diploma in Supply Chain and Sustainability Management  
Postgraduate Certificate in Supply Chain and Sustainability Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

2. The programmes are available by full-time or part-time study.

#### Curriculum

3. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the list of taught modules
  - ii. for the Postgraduate Diploma no fewer than 120 credits list of taught modules
  - iii. for the degree of MSc no fewer than 180 credits including DM932 Postgraduate Individual Project
4. Students will have the option of choosing a specialism from three options: Procurement Management, Logistics Management, and Sustainability Management that will lead to the corresponding award.

#### **Compulsory Modules (All Specialisations – Full-time Students)**

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| DM918       | People, Organisation and Technology    | 5     | 10      |
| DM926       | Supply Chain Operations                | 5     | 10      |
| DM927       | Strategic Supply Chain Management      | 5     | 10      |
| DM928       | Enterprise Resource Planning           | 5     | 10      |
| MS929       | Performance Measurement and Management | 5     | 10      |

|                                             |                                         |   |    |
|---------------------------------------------|-----------------------------------------|---|----|
| MS969                                       | Advanced Project Management             | 5 | 10 |
| MS970                                       | Case Studies in Supply Chain Management | 5 | 20 |
| <b>Students for the degree of MSc only:</b> |                                         |   |    |
| DM932                                       | Postgraduate Individual Project         | 5 | 60 |

### **Compulsory Modules (All Specialisations – Part-time Students)**

| <b>Module Code</b>                          | <b>Module Title</b>                          | <b>Level</b> | <b>Credits</b> |
|---------------------------------------------|----------------------------------------------|--------------|----------------|
| DM918                                       | People, Organisation and Technology          | 5            | 10             |
| OR                                          |                                              |              |                |
| DM810                                       | People, Organisation and Leadership (online) | 5            | 10             |
| DM926                                       | Supply Chain Operations                      | 5            | 10             |
| DM927                                       | Strategic Supply Chain Management            | 5            | 10             |
| DM928                                       | Enterprise Resource Planning                 | 5            | 10             |
| MS929                                       | Performance Measurement and Management       | 5            | 10             |
| MS969                                       | Advanced Project Management                  | 5            | 10             |
| OR                                          |                                              |              |                |
| DM811                                       | Project Management (online)                  | 5            | 10             |
| MS970                                       | Case Studies in Supply Chain Management      | 5            | 20             |
| <b>Students for the degree of MSc only:</b> |                                              |              |                |
| DM932                                       | Postgraduate Individual Project              | 5            | 60             |

Together with modules appropriate to the chosen specialisation:

### **Logistics Management Specialisation (Full-time Students)**

| <b>Module Code</b> | <b>Module Title</b>                          | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------|--------------|----------------|
| DM953              | Lean and Green Logistics                     | 5            | 10             |
| DM955              | Total Quality Management                     | 5            | 10             |
| MS924              | Spreadsheet Modelling and Demand Forecasting | 5            | 10             |

### **Logistics Management Specialisation (Part-time Students)**

| Module Code | Module Title                                                    | Level | Credits |
|-------------|-----------------------------------------------------------------|-------|---------|
| DM953       | Lean and Green Logistics                                        | 5     | 10      |
| DM955       | Total Quality Management                                        | 5     | 10      |
| OR          |                                                                 |       |         |
| DM809       | Management of Total Quality and Continuous Improvement (online) | 5     | 10      |
| MS924       | Spreadsheet Modelling and Demand Forecasting                    | 5     | 10      |

### **Procurement Management Specialisation**

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| DM991       | Organisational Buying Behaviour and Structures | 5     | 10      |
| DM992       | Strategic Procurement Management               | 5     | 10      |
| MS924       | Spreadsheet Modelling and Demand Forecasting   | 5     | 10      |

### **Sustainability Management Specialisations**

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| DM943       | Sustainable Product Design and Manufacturing | 5     | 10      |
| DM953       | Lean and Green Logistics                     | 5     | 10      |
| DM985       | Remanufacturing                              | 5     | 10      |

### **Optional Modules**

No fewer than 10 credits chosen from:

| Module Code | Module Title                                                          | Level | Credits |
|-------------|-----------------------------------------------------------------------|-------|---------|
| DM920       | Strategic Technology Management                                       | 5     | 10      |
| OR          |                                                                       |       |         |
| DM814       | Technology and Innovation Management (online)                         | 5     | 10      |
| DM941       | Fundamentals of Lean Six Sigma                                        | 5     | 10      |
| DM945       | Systems Thinking and Modelling                                        | 5     | 10      |
| OR          |                                                                       |       |         |
| DM808       | Introduction To Systems Thinking, Modelling and Optimisation (Online) | 5     | 10      |

|       |                                |   |    |
|-------|--------------------------------|---|----|
| EF929 | Financial Engineering          | 5 | 10 |
| MS922 | Quantitative Business Analysis | 5 | 10 |
| MS926 | Business Simulation Methods    | 5 | 10 |
| MS927 | Risk Analysis and Management   | 5 | 10 |
| MS980 | Business Analytics             | 5 | 10 |

**Students for the Postgraduate Diploma only, will have the additional optional module:**

| Module Code | Module Title             | Level | Credits |
|-------------|--------------------------|-------|---------|
| ME815       | PGDip Individual Project | 5     | 20      |

Exceptionally, such other modules totalling no more than 10 credits, as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Supply Chain and Logistics Management or Supply Chain and Procurement Management or Supply Chain and Sustainability Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Individual Project DM932.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Supply Chain and Logistics Management or Supply Chain and Procurement Management or Supply Chain and Sustainability Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Supply Chain and Logistics Management or Supply Chain and Procurement Management or Supply Chain and Sustainability Management a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### SYSTEMS ENGINEERING MANAGEMENT

Master of Science in Systems Engineering Management  
Postgraduate Diploma in Systems Engineering Management  
Postgraduate Certificate in Systems Engineering Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), which will usually apply, suitably qualified candidates from one of the Department's approved industry partners may be admitted to this programme, provided they have appropriate industry experience and/or relevant qualifications. Applications from industry partners will be considered on a case-by-case basis and students will follow a clearly defined curriculum as outlined below.

#### Duration of Study

2. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.

#### Nature of Study

3. The programme is available by full-time and part time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits

#### Compulsory Modules (Full-time Students)

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| DM918       | People, Organisation and Technology | 5     | 10      |
| DM920       | Strategic Technology Management     | 5     | 10      |
| DM931       | Postgraduate Group Project          | 5     | 40      |
| DM933       | Engineering Risk Management         | 5     | 10      |
| DM945       | Systems Thinking and Modelling      | 5     | 10      |
| DM993       | Systems Architectures & Design      | 5     | 10      |
| DM994       | Systems Engineering Concepts        | 5     | 10      |

| <b>Students for the degree of MSc only:</b> |                                 |   |    |
|---------------------------------------------|---------------------------------|---|----|
| DM932                                       | Postgraduate Individual Project | 5 | 60 |

### **Compulsory Modules (Part-time Students)**

| <b>Module Code</b>                          | <b>Module Title</b>                                                   | <b>Level</b> | <b>Credits</b> |
|---------------------------------------------|-----------------------------------------------------------------------|--------------|----------------|
| DM918                                       | People, Organisation and Technology                                   | 5            | 10             |
| OR                                          |                                                                       |              |                |
| DM810                                       | People, Organisation and Leadership (online)                          | 5            | 10             |
| DM920                                       | Strategic Technology Management                                       | 5            | 10             |
| OR                                          |                                                                       |              |                |
| DM814                                       | Technology and Innovation Management (online)                         | 5            | 10             |
| DM931                                       | Postgraduate Group Project                                            | 5            | 40             |
| DM933                                       | Engineering Risk Management                                           | 5            | 10             |
| OR                                          |                                                                       |              |                |
| DM805                                       | Engineering Risk Management (online)                                  | 5            | 10             |
| DM945                                       | Systems Thinking and Modelling                                        | 5            | 10             |
| OR                                          |                                                                       |              |                |
| DM808                                       | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5            | 10             |
| DM993                                       | Systems Architectures & Design                                        | 5            | 10             |
| DM994                                       | Systems Engineering Concepts                                          | 5            | 10             |
| <b>Students for the degree of MSc only:</b> |                                                                       |              |                |
| DM932                                       | Postgraduate Individual Project                                       | 5            | 60             |

### **Optional Modules**

All students must choose no fewer than 20 credits from the list below:

| <b>Module Code</b> | <b>Module Title</b>                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------|--------------|----------------|
| DM923              | Product Modelling and Visualisation | 5            | 10             |
| DM927              | Strategic Supply Chain Management   | 5            | 10             |

|       |                                            |   |    |
|-------|--------------------------------------------|---|----|
| DM934 | Design Methods                             | 5 | 10 |
| DM943 | Sustainable Product Design and Manufacture | 5 | 10 |
| DM951 | Design for Industry 4 and Smart Products   | 5 | 10 |
| EF927 | Design Management                          | 5 | 10 |
| EF931 | Project Management                         | 5 | 10 |
| OR    |                                            |   |    |
| DM811 | Project Management (online)                | 5 | 10 |
| MS926 | Business Simulation Methods                | 5 | 10 |

Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Leader.

### **ADMISSION VIA AN APPROVED INDUSTRY PARTNER ONLY:**

#### **Compulsory Modules**

| Module Code | Module Title                                                          | Level | Credits |
|-------------|-----------------------------------------------------------------------|-------|---------|
| DM718       | People, Organisation and Technology                                   | 5     | 10      |
| OR          |                                                                       |       |         |
| DM810       | People, Organisation and Leadership (online)                          | 5     | 10      |
| DM720       | Strategic Technology Management                                       | 5     | 10      |
| OR          |                                                                       |       |         |
| DM814       | Technology and Innovation Management (online)                         | 5     | 10      |
| DM731       | Postgraduate Group Project                                            | 5     | 30      |
| DM733       | Engineering Risk Management                                           | 5     | 10      |
| OR          |                                                                       |       |         |
| DM805       | Engineering Risk Management (online)                                  | 5     | 10      |
| DM744       | Product Costing & Financial Management                                | 5     | 10      |
| DM745       | Systems Thinking and Modelling                                        | 5     | 10      |
| OR          |                                                                       |       |         |
| DM808       | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5     | 10      |
| DM751       | Design for Industry 4 and Smart Products                              | 5     | 10      |



|                                             |                                                      |   |    |
|---------------------------------------------|------------------------------------------------------|---|----|
| DM793                                       | Systems Architectures & Design                       | 5 | 10 |
| DM794                                       | Systems Engineering Concepts                         | 5 | 10 |
| DM795                                       | Policy Analysis of Economically Complex environments | 5 | 10 |
| <b>Students for the degree of MSc only:</b> |                                                      |   |    |
| DM732                                       | Postgraduate Individual Project                      | 5 | 60 |

### **Examination, Progress and Final Assessment**

5. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
6. The final award will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Systems Engineering Management, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Individual Project (DM932 or DM732).
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Systems Engineering Management, a candidate must have accumulated no fewer than 120 credits from the programme curriculum including all the compulsory modules.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Systems Engineering Management, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### TECHNOLOGY VENTURES WITH DESIGN ENGINEERING

Master of Science in Technology Ventures with Design Engineering  
Postgraduate Diploma in Technology Ventures with Design Engineering  
Postgraduate Certificate in Design Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), successful applicants shall possess:
  - i. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
  - ii. a qualification deemed by the Programme Director acting on behalf of the Senate to be equivalent to (i) above; or
  - iii. have satisfactorily obtained 99 CMU units of study (150 credits) from the MS in Technology Ventures at Carnegie Mellon University, including the Master of Science Technology Ventures Internship.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### Compulsory Modules

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| DM503       | Global Design                     | 5     | 10      |
| DM923       | Product Modelling & Visualisation | 5     | 10      |
| DM931       | Industry Group Project            | 5     | 40      |
| DM934       | Design Methods                    | 5     | 10      |

|       |                   |   |    |
|-------|-------------------|---|----|
| EF927 | Design Management | 5 | 10 |
|-------|-------------------|---|----|

Students choose 40 credits from:

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| AB975       | Sustainability                                         | 5     | 10      |
| DM933       | Engineering Risk Management                            | 5     | 10      |
| DM943       | Sustainable Product Design and Manufacturing           | 5     | 10      |
| DM948       | Advanced Materials & Production Technology             | 5     | 10      |
| DM985       | Remanufacturing                                        | 5     | 10      |
| DM986       | Mechatronic Systems Design Techniques                  | 5     | 10      |
| DM920       | Strategic Technology Management                        | 5     | 10      |
| DM926       | Supply Chain Operations                                | 5     | 10      |
| DM928       | Enterprise Resource Planning                           | 5     | 10      |
| DM935       | Management of Total Quality and Continuous Improvement | 5     | 10      |
| DM941       | Fundamentals of Lean Six Sigma                         | 5     | 10      |
| DM944       | Product Costing and Financial Management               | 5     | 10      |
| DM945       | System Thinking and Modelling                          | 5     | 10      |
| DM948       | Advanced Materials & Production Technology             | 5     | 10      |
| DM981       | Management of Innovation                               | 5     | 10      |
| DM983       | Design Form and Aesthetics                             | 5     | 10      |
| DM984       | Human Centred Design                                   | 5     | 10      |

Exceptionally, such other modules totalling no more than 40 credits as approved by the Programme Director.

#### Students for the degree of MSc only

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| DM932       | Postgraduate Individual Project | 5     | 60      |

#### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)

7. The final award will be based on performance in the examinations, coursework, and the Postgraduate Individual Project where undertaken.

**Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Technology Ventures with Design Engineering a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits including all the compulsory and optional modules plus the Postgraduate Individual Project DM932.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Technology Ventures with Design Engineering a candidate must have accumulated no fewer than 120 credits including all the compulsory modules and optional modules.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Design Engineering a candidate must have accumulated no fewer than 60 credits must be completed.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT

### TECHNOLOGY VENTURES WITH DIGITAL MANUFACTURING

Master of Science in Technology Ventures with Digital Manufacturing  
Postgraduate Diploma in Technology Ventures with Digital Manufacturing  
Postgraduate Certificate in Digital Manufacturing

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), successful applicants shall possess:
  - i. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
  - ii. a qualification deemed by the Programme Director acting on behalf of the Senate to be equivalent to (i) above; or
  - iii. have satisfactorily obtained 99 CMU units of study (150 credits) from the MS in Technology Ventures at Carnegie Mellon University, including the Master of Science Technology Ventures Internship.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

4. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Mode of Study

5. The programmes may be available by full-time study only.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| DM939       | Digital Manufacturing Concepts | 5     | 10      |

|       |                                                  |   |    |
|-------|--------------------------------------------------|---|----|
| DM942 | Manufacturing Automation                         | 5 | 10 |
| DM986 | Mechatronic Systems Design Techniques            | 5 | 10 |
| DM951 | Design for Industry 4 and Smart Products         | 5 | 10 |
| EF945 | Knowledge & Information Management for Engineers | 5 | 10 |
| DM931 | Postgraduate Group Project                       | 5 | 40 |

### **Optional Modules**

No fewer than 30 credits chosen from:

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| DM948       | Advanced Materials & Production Technology | 5     | 10      |
| DM946       | Micro- and Nano-Manufacturing              | 5     | 10      |
| DM945       | Systems Thinking and Modelling             | 5     | 10      |
| DM943       | Sustainable Product Design & Manufacturing | 5     | 10      |
| DM981       | Management of Innovation                   | 5     | 10      |

### **Students for the Degree of MSc only**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| DM932       | Postgraduate Individual Project | 5     | 60      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Coordinator.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Technology Ventures with Digital Manufacturing, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the DM932 Postgraduate Individual Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Technology Ventures with Digital Manufacturing, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.

11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Digital Manufacturing, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT**

### **TECHNOLOGY VENTURES WITH SYSTEMS ENGINEERING MANAGEMENT**

**Master of Science in Technology Ventures with Systems Engineering Management**  
**Postgraduate Diploma in Technology Ventures with Systems Engineering**  
**Management**  
**Postgraduate Certificate in Systems Engineering Management**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), successful applicants shall possess:
  - i. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
  - ii. a qualification deemed by the Programme Director acting on behalf of the Senate to be equivalent to (i) above; or
  - iii. have satisfactorily obtained 99 CMU units of study (150 credits) from the MS in Technology Ventures at Carnegie Mellon University, including the Master of Science Technology Ventures Internship.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Nature of Study**

4. The programme is available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------|--------------|----------------|
| DM918              | People, Organisation and Technology | 5            | 10             |
| DM931              | Postgraduate Group Project          | 5            | 40             |
| DM933              | Engineering Risk Management         | 5            | 10             |



|       |                                |   |    |
|-------|--------------------------------|---|----|
| DM945 | Systems Thinking and Modelling | 5 | 10 |
| DM993 | Systems Engineering Concepts   | 5 | 10 |
| DM994 | Systems Architectures & Design | 5 | 10 |

### Students for the degree of MSc only

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| DM932       | Postgraduate Individual Project | 5     | 60      |

### Optional Modules

No fewer than 30 credits chosen from:

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| DM920       | Strategic Technology Management                  | 5     | 10      |
| DM923       | Product Modelling and Visualisation              | 5     | 10      |
| DM927       | Strategic Supply Chain Management                | 5     | 10      |
| DM934       | Design Methods                                   | 5     | 10      |
| DM943       | Sustainable Product Design and Manufacture       | 5     | 10      |
| DM944       | Product Costing & Financial Management           | 5     | 10      |
| EF945       | Knowledge & Information Management for Engineers | 5     | 10      |
| MS926       | Business Simulation Methods                      | 5     | 10      |

Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Director.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Technology Ventures with Systems Engineering Management, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Individual Project DM932.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Technology Ventures with Systems Engineering Management, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Systems Engineering Management, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF DESIGN, MANUFACTURING AND ENGINEERING MANAGEMENT**

### **TECHNOLOGY VENTURES**

**Master of Science in Technology Ventures**

**Master of Science in Technology Ventures with Design Engineering**

**Master of Science in Technology Ventures with Systems Engineering Management**

**Master of Science in Technology Ventures with Digital Manufacturing**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

1. The programme is collaboratively offered by the University of Strathclyde and Carnegie Mellon University and awards are made by both universities; MSc in Technology Ventures is only available as part of a dual Master's award. Students shall be subject to the Programme and General Regulations of the University at which they are currently studying.
2. Each partner will administer their own programme and chair their own Board of Examiners.
3. The University of Strathclyde will recognise the credits awarded by Carnegie Mellon University in admitting students to and awarding the MSc in Technology Ventures. As the year 1 partner, Carnegie Mellon University will take a lead in administering the application and admissions processes.

#### **Admission**

4. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), successful applicants shall obtain 99 CMU units of study (150 credits) from the MS in Technology Ventures at Carnegie Mellon University, including the Master of Science Technology Ventures Internship.
5. Alternatively, students enrolled on one of Strathclyde's MSc in Design Engineering, Systems Engineering Management or Digital Manufacturing programmes may transfer to the relevant Dual Degree programme set out in this regulation.
6. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

7. To obtain the dual award, students must undertake 12 months of study at Carnegie Mellon University and at least 9 months study (Postgraduate Diploma, if enrolled first at Strathclyde), and up to 12 months (MSc, if enrolled first at CMU), at University of Strathclyde.

**Place of Study**

8. The programme will be taught at Carnegie Mellon University by staff of the Integrated Innovation Institute. The programme will be taught at the University of Strathclyde by staff of the Faculty of Engineering normally in year 2. Students transferring from MSc Design Engineering, Systems Engineering Management or Digital Manufacturing will spend year 1 at Strathclyde and year 2 at Carnegie Mellon University.

**Nature of Study**

9. The programme is available by full-time study only.

**Curriculum**

10. For the degree of MSc no fewer than 180 credits including a project.

**Carnegie Mellon University**

11. Year 1 if first enrolled at CMU, year 2 if first enrolled at Strathclyde.
12. Students shall spend a year at Carnegie Mellon University and undertake modules amounting to no fewer than 99 CMU Units (150 Credits) as follows:

**Compulsory Modules**

| Module Code | Module Title                                                           | Level | Credits |
|-------------|------------------------------------------------------------------------|-------|---------|
| 49802       | Innovation & Entrepreneurship I                                        | 5     | 6       |
| 49803       | Innovation & Entrepreneurship II                                       | 5     | 6       |
| 49853       | Product Management                                                     | 5     | 6       |
| 49854       | Business Models and Strategy                                           | 5     | 6       |
| 49855       | Venture governance: The Role of Board of Directors and Advisory Boards | 5     | 6       |
| 49856       | Legal Issues in New Venture Creation                                   | 5     | 6       |
| 49801       | Enterprise Innovation                                                  | 5     | 12      |
| 49804       | The Leadership Challenge                                               | 5     | 6       |
| 49850       | Grand Challenge Innovation                                             | 5     | 12      |
| 49851       | Financial fundamentals for New Ventures                                | 5     | 6       |
| 49852       | Agile Marketing for New Ventures                                       | 5     | 6       |
| 49857       | Dynamic Global Teams                                                   | 5     | 6       |
| 49859       | Master of Science Technology Ventures Internship                       | 5     | 3       |

### **Optional Modules**

13. Students select a total of no fewer than 12 units from an approved list of options, as approved by the Programme Leader.

### **Strathclyde (year 2 if first enrolled at CMU, year 1 if first enrolled at Strathclyde)**

14. Students progressing from CMU spend their second year at University of Strathclyde and select one of the following 180 credit specialisations titled as:
  - i. MSc in Technology Ventures with Design Engineering
  - ii. MSc in Technology Ventures with Systems Engineering Management
  - iii. MSc in Technology Ventures with Digital Manufacturing.
15. Students enrolled on Strathclyde's MSc Design Engineering, Systems Engineering Management or Digital Manufacturing may elect to transfer their registration to the corresponding Dual Masters programme if committing to year 2 study at CMU.
16. Regulations for each of these options are included indexed individually under the University of Strathclyde regulations.

### **Examination, Progress and Final Assessment**

17. In order to progress to the second year of the programme, a student must normally have accumulated at least 99 CMU Credits (150 credits) from the agreed Carnegie Mellon University curriculum, or at least 120 credits from the University of Strathclyde Curriculum.
18. Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and in the DM932 Individual Postgraduate Project for the degree award of MSc.
19. Candidates who fail to satisfy the Board of Examiners in any taught module shall, at the discretion of the Board of Examiners, be permitted one further attempt to pass the relevant module(s) at the earliest opportunity and no longer than two years after the initial attempt.
20. The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

### **Award**

21. **Degree of MSc:** In order to qualify for the award of the MSc in Technology Ventures with: Design Engineering; Systems Engineering Management, or; Digital Manufacturing, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 credits must have been awarded in respect of the DM932 Individual Postgraduate Project.

22. **Degree of MS:** In order to qualify for the award of the MS in Technology Ventures at Carnegie Mellon University, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 99 Units from the CMU curriculum, including the Master of Science Technology Ventures Internship and 48 Units (80 credits) from the Strathclyde Curriculum.

**Transfer**

23. A candidate who fails to meet the requirements for the degree of MSc in Technology Ventures with Design Engineering, Systems engineering Management or Digital Manufacturing may be transferred to the Postgraduate Diploma in Technology Ventures with: Design Engineering; Systems Engineering Management, or; Digital Manufacturing or the Postgraduate Certificate of Design Engineering, Systems Engineering Management or Digital Manufacturing as defined in the regulations for each specialisation at University of Strathclyde.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### 5G ADVANCED COMMUNICATIONS

**Master of Science in 5G Advanced Communications**  
**Postgraduate Diploma in 5G Advanced Communications**  
**Postgraduate Certificate in 5G Advanced Communications**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project.

#### **Compulsory Modules**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EE969       | Digital Signal Processing Principles  | 5     | 20      |
| EE986       | Assignment and Professional Studies   | 5     | 20      |
| EE970       | Information Transmission and Security | 5     | 20      |
| EE991       | 5G Communications Networks            | 5     | 20      |

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| EE990       | MSc Project  | 5     | 60      |

Students who have previously completed any modules from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

No fewer than 40 credits chosen from:

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| EE987       | Sensor Technologies                                      | 5     | 20      |
| EE978       | Advanced Digital Signal Processing                       | 5     | 20      |
| EE981       | Image and Video Processing                               | 5     | 20      |
| EE980       | Embedded System Design                                   | 5     | 20      |
| EE985       | Software Engineering                                     | 5     | 20      |
| EE999       | PGDip Electronic and Electrical Engineering Dissertation | 5     | 20      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in 5G Advanced Communications, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in 5G Advanced Communications, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.



10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in 5G Advanced Communications, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

### **ADVANCED ELECTRICAL POWER AND ENERGY SYSTEMS**

**Master of Science in Advanced Electrical Power and Energy Systems**  
**Master of Science in Electrical Power and Energy Systems**  
**Master of Science in Electronic and Electrical Engineering**  
**Postgraduate Diploma in Electrical Power and Energy Systems**  
**Postgraduate Diploma in Electronic and Electrical Engineering**  
**Postgraduate Certificate in Electrical Power and Energy Systems**  
**Postgraduate Certificate in Electronic and Electrical Engineering**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical and Electronic Engineering or a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
4. The normal duration of study will be for the degree of Master by full-time study – 24 months.

#### **Mode of Study**

5. The programme is available by full-time study only.

#### **Curriculum**

All students shall undertake an approved curriculum as follows:

- i. for the Postgraduate Certificate no fewer than 60 credits
- ii. for the Postgraduate Diploma no fewer than 120 credits
- iii. for the degree of MSc no fewer than 240 credits including a project.

#### **Compulsory Modules**

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| EE873       | Advanced Power and Energy Systems | 5     | 20      |

|                                             |                                                           |   |    |
|---------------------------------------------|-----------------------------------------------------------|---|----|
| EE974                                       | High Voltage Technology and Electromagnetic Compatibility | 5 | 20 |
| EE975                                       | Power Electronics for Energy and Drive Control            | 5 | 20 |
| EE976                                       | Power System Economics, Markets and Asset Management      | 5 | 20 |
| EE977                                       | Wind Energy and Distributed Energy Resources              | 5 | 20 |
| EE986                                       | Assignment and Professional Studies                       | 5 | 20 |
| <b>Students for the degree of MSc only:</b> |                                                           |   |    |
| EE900                                       | MSc Project                                               | 5 | 80 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

No fewer than 40 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| EE969              | Digital Signal Processing Principles     | 5            | 20             |
| EE970              | Information Transmission and Security    | 5            | 20             |
| EE972              | Control Principles                       | 5            | 20             |
| EE985              | Software Engineering                     | 5            | 20             |
| EE989              | Wind Turbine Technology                  | 5            | 20             |
| EE991              | 5G Communications Networks               | 5            | 20             |
| EE817              | Hardware IoT Communication System Design | 5            | 10             |
| EE818              | Data Analytics and AI for Energy Systems | 5            | 10             |
| EE891              | 5G Communications Networks               | 5            | 10             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. In order to progress to the second year of the programme, a student must have accumulated no fewer than 120 credits from the programme curriculum.
8. Students who fail to accumulate 120 credits or more in year 1 of the programme will be transferred and considered for an award of Postgraduate Certificate in Electronic and Electrical Engineering or an award of Postgraduate Certificate in Electrical Power and Energy Systems.
9. The final award will be based on performance in the examinations, coursework and the EE900 Project where undertaken.

### **Award**

10. **Degree of MSc in Advanced Electrical Power and Energy Systems:** In order to qualify for the award of the degree of MSc in Advanced Electrical Power and Energy Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 240 credits, of which 80 must have been awarded in respect of the Project EE900.

### **Alternative Awards**

Students who fail to accumulate 240 credits over the programme duration may be considered for one of the following alternative awards:

11. **Degree of MSc in Electrical Power and Energy Systems:** In order to qualify for the award of MSc in Electrical Power and Energy Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 80 must have been awarded in respect of the Project EE900.
12. **Degree of MSc in Electronic and Electrical Engineering:** In order to qualify for the award of MSc in Electronic and Electrical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 80 must have been awarded in respect of the Project EE900.
13. **Postgraduate Diploma in Electrical Power and Energy Systems:** In order to qualify for the award of Postgraduate Diploma in Electrical Power and Energy Systems, a candidate must have accumulated no fewer than 120 credits from the taught curriculum.
14. **Postgraduate Diploma in Electronic and Electrical Engineering:** In order to qualify for the award of Postgraduate Diploma in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 120 credits from the taught curriculum.
15. **Postgraduate Certificate in Electrical Power and Energy Systems:** In order to qualify for the award of Postgraduate Diploma in Electrical Power and Energy Systems, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.
16. **Postgraduate Certificate in Electronic and Electrical Engineering:** In order to qualify for the award of Postgraduate Diploma in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### AUTONOMOUS ROBOTIC INTELLIGENT SYSTEMS

Master of Science in Autonomous Robotic Intelligent Systems

Postgraduate Diploma in Autonomous Robotic Intelligent Systems

Postgraduate Certificate in Autonomous Robotic Intelligent Systems

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in electronic, electrical, communications or design manufacture engineering, or a science-related subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the list of taught modules
  - ii. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits including the EE998 project.

#### Compulsory Modules

| Module Code | Module Title                                               | Level | Credits |
|-------------|------------------------------------------------------------|-------|---------|
| DM954       | Intelligent Sensing and Reasoning through Machine Learning | 5     | 10      |
| EE992       | Neural Networks and Deep Learning                          | 5     | 10      |
| DM942       | Manufacturing Automation                                   | 5     | 10      |

|                                             |                                      |   |    |
|---------------------------------------------|--------------------------------------|---|----|
| DM986                                       | Mechatronic System Design Techniques | 5 | 10 |
| EE474                                       | Robotics and Control Systems         | 4 | 20 |
| EE986                                       | Assignment and Professional Studies  | 5 | 20 |
| EE987                                       | Sensor Technologies                  | 5 | 20 |
| <b>Students for the degree of MSc only:</b> |                                      |   |    |
| EE998                                       | MSc project                          | 5 | 60 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

No fewer than 20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                              | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------|--------------|----------------|
| DM920              | Strategic Technology Management                  | 5            | 10             |
| DM923              | Product Modelling and Visualisation              | 5            | 10             |
| DM934              | Design Methods                                   | 5            | 10             |
| DM939              | Digital Manufacturing Concepts                   | 5            | 10             |
| DM945              | System Thinking and Modelling                    | 5            | 10             |
| DM946              | Micro- and Nano-Manufacturing                    | 5            | 10             |
| DM947              | Advanced Forming Technology Systems              | 5            | 10             |
| DM948              | Advanced Materials and Production Technology     | 5            | 10             |
| DM951              | Design for Industry 4 and Smart Products         | 5            | 10             |
| EE981              | Image and Video Processing                       | 5            | 20             |
| EE972              | Control Principles                               | 5            | 20             |
| EE978              | Advanced Digital Signal Processing               | 5            | 20             |
| EE579              | Advanced Microcontroller Applications            | 5            | 20             |
| EE980              | Embedded System Design                           | 5            | 20             |
| EF927              | Design Management                                | 5            | 10             |
| EF945              | Knowledge & Information Management for Engineers | 5            | 10             |

Not all optional modules in this list will be available each year.  
Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework and the EE998 Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Autonomous Robotic Intelligent Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the EE998 Project.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Autonomous Robotic Intelligent Systems, a candidate must have accumulated no fewer than 120 credits from the taught curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Autonomous Robotic Intelligent Systems, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### COMMUNICATIONS, CONTROL AND DIGITAL SIGNAL PROCESSING

Master of Science in Communications, Control and Digital Signal Processing  
Postgraduate Diploma in Communications, Control and Digital Signal Processing  
Postgraduate Certificate in Communications, Control and Digital Signal Processing

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical and Electronic Engineering or a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent; or
  - iii. an appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules
  - ii. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project

#### Compulsory Modules

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EE969       | Digital Signal Processing Principles  | 5     | 20      |
| EE970       | Information Transmission and Security | 5     | 20      |
| EE972       | Control Principles                    | 5     | 20      |
| EE986       | Assignment and Professional Studies   | 5     | 20      |



Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Director.

### **Optional Modules**

| <b>Module Code</b> | <b>Module Title</b>                                      | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------|--------------|----------------|
| EE971              | Communications Networks                                  | 5            | 20             |
| EE978              | Advanced Digital Signal Processing                       | 5            | 20             |
| EE980              | Embedded System Design                                   | 5            | 20             |
| EE981              | Image and Video Processing                               | 5            | 20             |
| EE982              | Control Techniques                                       | 5            | 20             |
| EE999              | PGDip Electronic and Electrical Engineering Dissertation | 5            | 20             |

Students may not select any module from the list of optional modules which they have previously successfully completed.

### **Students for the degree of MSc only**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| EE990              | MSc Project         | 5            | 60             |

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Communications, Control and Digital Signal Processing, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Communications, Control and Digital Signal Processing, a candidate must have accumulated no fewer than 120 credits from the course curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Communications, Control and Digital Signal Processing, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### COMMUNICATIONS TECHNOLOGY AND POLICY

**Master of Science in Communications Technology and Policy**  
**Postgraduate Diploma in Communications Technology and Policy**  
**Postgraduate Certificate in Communications Technology and Policy**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the list of taught compulsory modules
  - ii. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project

#### **Compulsory Modules**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EE970       | Information Transmission and Security | 5     | 20      |
| EE971       | Communications Networks               | 5     | 20      |

|                                             |                                     |   |    |
|---------------------------------------------|-------------------------------------|---|----|
| EE986                                       | Assignment and Professional Studies | 5 | 20 |
| <b>Students for the degree of MSc only:</b> |                                     |   |    |
| EE990                                       | MSc Project                         | 5 | 60 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

| <b>Module Code</b> | <b>Module Title</b>                                      | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------|--------------|----------------|
| EE969              | Digital Signal Processing Principles                     | 5            | 20             |
| EE985              | Software Engineering                                     | 5            | 20             |
| MS928              | Business Information Systems                             | 5            | 10             |
| MS969              | Advanced Project Management                              | 5            | 10             |
| MG803              | Creativity, Change and Innovation                        | 5            | 20             |
| MG804              | Strategic Technology Management                          | 5            | 20             |
| EE999              | PGDip Electronic and Electrical Engineering Dissertation | 5            | 20             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Communications Technology and Policy, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Communications Technology and Policy, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Communications Technology and Policy, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

### **ELECTRICAL ENGINEERING FOR MODERN POWER SYSTEMS**

**Master of Science in Electrical Engineering for Modern Power Systems**

**Postgraduate Diploma in Electrical Engineering for Modern Power Systems**

**Postgraduate Certificate in Electrical Engineering for Modern Power Systems**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. **Admission to this programme is only available to students enrolling via the Inner Mongolia University of Technology (IMUT) Collaborative Agreement.**

Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), and in addition to any requirements set out in the Collaborative Agreement, applicants shall comply with the following entry requirements:

- i. satisfactory completion of a relevant BEng programme at a recognised University in China with a minimum of 75% average, or recognised international equivalent.
- ii. Strathclyde's English language proficiency requirement, normally IELTS 6.5 (no individual element below 5.5) or equivalent
- iii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
- iv. have appropriate professional experience.

#### **Duration of Study**

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
3. Students will undertake a 9-month period of full-time study at the University of Strathclyde, completing 120 credits of taught modules.
4. Students who successfully complete the taught element of the programme will undertake a jointly-supervised part-time project conducted over 18 months whilst students are based at IMUT, China.

#### **Mode of Study**

5. The taught element of the programme will be delivered on-campus at the University of Strathclyde and is available by full-time study only.
6. Students will transfer to part-time registration when they begin the project-element of the programme (and will return to China).

#### **Curriculum**

7. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the EE888 project

### **Compulsory Modules**

| <b>Module Code</b>                          | <b>Module Title</b>                                  | <b>Level</b> | <b>Credits</b> |
|---------------------------------------------|------------------------------------------------------|--------------|----------------|
| EE873                                       | Advanced Power and Energy Systems                    | 5            | 20             |
| EE976                                       | Power System Economics, Markets and Asset Management | 5            | 20             |
| EE986                                       | Assignment and Professional Studies                  | 5            | 20             |
| <b>Students for the degree of MSc only:</b> |                                                      |              |                |
| EE888                                       | MSc Project                                          | 5            | 60             |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

No fewer than 60 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------|--------------|----------------|
| EE974              | High Voltage Technology and Electromagnetic Compatibility | 5            | 20             |
| EE975              | Power Electronics for Energy and Drive Control            | 5            | 20             |
| EE977              | Wind Energy and Distributed Energy Resources              | 5            | 20             |
| EE987              | Sensor Technologies                                       | 5            | 20             |
| EE818              | Data Analytics and AI for Energy Systems                  | 5            | 10             |
| EE866              | Power Electronics Devices, Drives and Machines 1          | 5            | 10             |
| EE877              | Wind Energy and Distributed Energy Resources 1            | 5            | 10             |
| EE999              | PGDip Electronic and Electrical Engineering Dissertation  | 5            | 20             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

### **Examination, Progress and Final Assessment**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. The final award will be based on performance in the examinations, coursework and the EE888 Project where undertaken.

## **Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Electrical Engineering for Modern Power Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE888.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Electrical Engineering for Modern Power Systems, a candidate must have accumulated no fewer than 120 credits from the taught curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Electrical Engineering for Modern Power Systems, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### ELECTRICAL POWER AND ENERGY SYSTEMS

**Master of Science in Electrical Power and Energy Systems**  
**Postgraduate Diploma in Electrical Power and Energy Systems**  
**Postgraduate Certificate in Electrical Power and Energy Systems**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project

#### **Compulsory Modules**

| Module Code | Module Title                                         | Level | Credits |
|-------------|------------------------------------------------------|-------|---------|
| EE873       | Advanced Power and Energy Systems                    | 5     | 20      |
| EE976       | Power System Economics, Markets and Asset Management | 5     | 20      |
| EE986       | Assignment and Professional Studies                  | 5     | 20      |



| Students for the degree of MSc only: |             |   |    |
|--------------------------------------|-------------|---|----|
| EE990                                | MSc Project | 5 | 60 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

No fewer than 60 credits chosen from:

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| EE974       | High Voltage Technology and Electromagnetic Compatibility | 5     | 20      |
| EE975       | Power Electronics for Energy and Drive Control            | 5     | 20      |
| EE977       | Wind Energy and Distributed Energy Resources              | 5     | 20      |
| EE987       | Sensor Technologies                                       | 5     | 20      |
| EE818       | Data Analytics and AI for Energy Systems                  | 5     | 10      |
| EE866       | Power Electronics Devices, Drives and Machines 1          | 5     | 10      |
| EE877       | Wind Energy and Distributed Energy Resources 1            | 5     | 10      |
| EE999       | PGDip Electronic and Electrical Engineering Dissertation  | 5     | 20      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Electrical Power and Energy Systems, a candidate must have performed to the satisfaction of the

Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Electrical Power and Energy Systems, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Electrical Power and Energy Systems, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### ELECTRICITY INDUSTRY MANAGEMENT AND TECHNOLOGY

**Master in Electricity Industry Management and Technology**

**Postgraduate Diploma in Electricity Industry Management and Technology**

**Postgraduate Certificate in Electricity Industry Management and Technology**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

2. The programmes are available by full-time and part-time study.

#### **Curriculum**

3. All students shall undertake an approved curriculum as follows:
  - i. Postgraduate Certificate – no fewer than 60 credits from the lists of taught modules,
  - ii. Postgraduate Diploma – no fewer than 120 credits including all the compulsory modules,
  - iii. MSc – no fewer than 180 credits including the EE990 project.

#### **Compulsory Modules**

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| 19940       | General and Strategic Management             | 5     | 12      |
| 19941       | Financial Management                         | 5     | 12      |
| 19942       | Information Systems Strategy                 | 5     | 12      |
| 19943       | Power System Operation and Management        | 5     | 12      |
| 19944       | Power System Economics and Regulatory Issues | 5     | 12      |

#### **Optional Modules**

No fewer than 60 credits chosen from:

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| 19945       | Power Generation Technologies: Electrical | 5     | 12      |
| 19946       | Power Generation Technologies: Mechanical | 5     | 12      |
| 19947       | Power System Analysis and Design          | 5     | 12      |

|       |                                                      |   |    |
|-------|------------------------------------------------------|---|----|
| 19948 | Power System Protection, Control and Monitoring      | 5 | 12 |
| 19949 | Power Engineering and the Environment                | 5 | 12 |
| 19950 | High Voltage Engineering                             | 5 | 12 |
| 19951 | Energy Management and System Analysis                | 5 | 12 |
| 19952 | Manufacturing Systems for Power Plant                | 5 | 12 |
| 19953 | Project and Contract Management                      | 5 | 12 |
| 19954 | Human Resource Management                            | 5 | 12 |
| 19955 | Intelligent System Applications in Power Engineering | 5 | 12 |
| 19956 | Networking and Communications                        | 5 | 12 |
| 19957 | Database Management and Applications                 | 5 | 12 |

In addition, students may select other modules offered by the Department of Electronic and Electrical Engineering on other postgraduate programmes subject to the approval of the Programme Director.

#### Students for the degree of MSc only

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| EE990       | Project      | 5     | 60      |

#### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Electricity Industry Management and Technology, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Electricity Industry Management and Technology, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Electricity Industry Management and Technology, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### ELECTRONIC AND ELECTRICAL ENGINEERING (January Start)

Master of Science in Electronic and Electrical Engineering  
Postgraduate Diploma in Electronic and Electrical Engineering  
Postgraduate Certificate in Electronic and Electrical Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering in a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent; or
  - iii. appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of Study

4. The programme is available by full-time study only, starting every January.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules.
  - ii. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules.
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project.

#### Compulsory Modules

| Module Code                                 | Module Title                        | Level | Credits |
|---------------------------------------------|-------------------------------------|-------|---------|
| EE886                                       | Assignment and Professional Studies | 5     | 20      |
| <b>Students for the degree of MSc only:</b> |                                     |       |         |
| EE990                                       | MSc Project                         | 5     | 60      |

#### Optional Modules

All students shall select 100 credits with at least 30 credits from both List A and List B:

**List A:**

| <b>Module Code</b> | <b>Module Title</b>                           | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------|--------------|----------------|
| EE769              | Digital Signal Processing Principles          | 5            | 20             |
| EE820              | Offshore Wind Farm O&M and Economics          | 5            | 10             |
| EE826              | Software Defined Radio                        | 5            | 10             |
| EE874              | High Voltage Technology Principles            | 5            | 10             |
| EE875              | Power Electronics Principles                  | 5            | 10             |
| EE885              | Software Design & Programming for Engineering | 5            | 10             |
| CS952              | Database & Web System Development             | 5            | 20             |
| CS985              | Machine Learning for Data Analytics           | 5            | 20             |

**List B:**

| <b>Module Code</b> | <b>Module Title</b>                               | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------|--------------|----------------|
| EE821              | Wind Generators Modelling & Control               | 5            | 10             |
| EE866              | Power Electronic Devices, Drives & Machines 1     | 5            | 10             |
| EE669              | Digital Signal Processing Principles              | 5            | 10             |
| EE867              | Power System Analysis and Protection              | 5            | 10             |
| EE825              | Data Transmission & Physical Layer Radio Networks | 5            | 10             |
| EE872              | Control Principles 1                              | 5            | 10             |
| EE876              | Power System Economics & Markets                  | 5            | 10             |
| EE877              | Wind Energy & Distributed Energy Resources 1      | 5            | 10             |
| EE878              | Advanced DSP 1                                    | 5            | 10             |
| EE880              | Embedded System Design 1                          | 5            | 10             |
| EE681              | Image Processing                                  | 5            | 10             |
| EE887              | Industrial Sensor Technologies                    | 5            | 10             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Director.

Students may not select any modules from the list of optional modules which they have previously successfully completed. Not all modules in these lists will be available every year.

### **Examination, Progress and Final Assessment**

6. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Electronic and Electrical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 120 credits from the taught programme curriculum.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 60 credits from the taught programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### ELECTRONIC AND ELECTRICAL ENGINEERING

**Master of Science in Electronic and Electrical Engineering**

**Postgraduate Diploma in Electronic and Electrical Engineering**

**Postgraduate Certificate in Electronic and Electrical Engineering**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering in a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits.
  - ii. for the Postgraduate Diploma no fewer than 120 credits.
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project.

#### Compulsory Modules

| Module Code                                 | Module Title                        | Level | Credits |
|---------------------------------------------|-------------------------------------|-------|---------|
| EE986                                       | Assignment and Professional Studies | 5     | 20      |
| <b>Students for the degree of MSc only:</b> |                                     |       |         |
| EE990                                       | MSc Project                         | 5     | 60      |



### **Optional Modules**

No fewer than 100 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------|--------------|----------------|
| EE873              | Advanced Power and Energy Systems                         | 5            | 20             |
| EE966              | Power Electronics, Machines and Applications              | 5            | 20             |
| EE967              | Power System Design, Operation and Protection             | 5            | 20             |
| EE969              | Digital Signal Processing Principles                      | 5            | 20             |
| EE970              | Information Transmission and Security                     | 5            | 20             |
| EE972              | Control Principles                                        | 5            | 20             |
| EE974              | High Voltage Technology and Electromagnetic Compatibility | 5            | 20             |
| EE975              | Power Electronics for Energy and Drive Control            | 5            | 20             |
| EE976              | Power System Economics, Markets and Asset Management      | 5            | 20             |
| EE977              | Wind Energy and Distributed Energy Resources              | 5            | 20             |
| EE978              | Advanced Digital Signal Processing                        | 5            | 20             |
| EE980              | Embedded System Design                                    | 5            | 20             |
| EE981              | Image and Video Processing                                | 5            | 20             |
| EE985              | Software Engineering                                      | 5            | 20             |
| EE987              | Sensor Technologies                                       | 5            | 20             |
| EE991              | 5G Communications Networks                                | 5            | 20             |
| EE999              | PGDip Electronic and Electrical Engineering Dissertation  | 5            | 20             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)

7. The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Electronic and Electrical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Electronic and Electrical Engineering, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### FUTURE ENERGY AND POWER SYSTEM OPERATION AND MANAGEMENT

Master of Science in Future Energy and Power System Operation and Management  
Postgraduate Diploma in Future Energy and Power System Operation and Management  
Postgraduate Certificate in Future Energy and Power System Operation and Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a suitable degree in science or engineering from a recognised institution; or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
  - iii. appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English competency.

#### Duration of Study

3. The maximum period of study is 2.5 years.

#### Mode of study

4. The programmes are available part-time only.

#### Place of Study

5. The programme is based in Hong Kong. It combines classroom-based (Hong Kong University of Science and Technology, HKUST) and distance learning (Strathclyde).

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the EE790 project

#### Compulsory Modules

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| EE700       | External study at HKUST                        | 5     | 30      |
| EE767       | Power System Operation, Control and Protection | 5     | 20      |

|                    |                                            |   |    |
|--------------------|--------------------------------------------|---|----|
| EE702              | Key Power Systems Concepts and Foundations | 5 | 20 |
| EE701              | Professional Practice Module               | 5 | 10 |
| <b>MSc project</b> |                                            |   |    |
| EE790              | MSc Project                                | 5 | 60 |

### **Optional Modules**

No fewer than 40 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                     | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------------|--------------|----------------|
| EE766              | Power Electronics Conversion and Control                | 5            | 20             |
| EE705              | Communications and the Smart Grid                       | 5            | 10             |
| EE777              | Renewable Energy Systems                                | 5            | 20             |
| EE707              | Managing Risk and Uncertainty in Power System Operation | 5            | 10             |
| EE703              | Power Utility Management – Business module              | 5            | 10             |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations and coursework together with the MSc project.

### **Award**

- Degree of MSc:** In order to qualify for the Dual Degree of MSc in Future Energy and Power System Operation and Management, awarded by the University of Strathclyde and the Hong Kong University of Science and Technology, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the MSc Project EE790.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Future Energy and Power System Operation and Management a candidate must have accumulated no fewer than 120 credits from the taught curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Future Energy and Power System Operation and Management a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### MACHINE LEARNING AND DEEP LEARNING

**Master of Science in Machine Learning and Deep Learning**  
**Postgraduate Diploma in Machine Learning and Deep Learning**  
**Postgraduate Certificate in Machine Learning and Deep Learning**

*These programme regulations are for the **January intake only** and should be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or good second class Honours degree (in electronic, electrical, computer science or other science-related subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time study only.

#### Curriculum

5. All students who begin their studies in January shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120
  - iii. for the degree of MSc – no fewer than 180 credits including the EE997 project.

#### Compulsory Modules

| Module Code | Module Title                                               | Level | Credits |
|-------------|------------------------------------------------------------|-------|---------|
| DM954       | Intelligent Sensing and Reasoning through Machine Learning | 5     | 10      |
| EE992       | Neural Networks and Deep Learning                          | 5     | 10      |

|                                             |                                      |   |    |
|---------------------------------------------|--------------------------------------|---|----|
| EE769                                       | Digital Signal Processing Principles | 5 | 20 |
| EE886                                       | Assignment and Professional Studies  | 5 | 20 |
| CS985                                       | Machine Learning for Data Analytics  | 5 | 20 |
| CS823                                       | Reasoning for Intelligent Agents     | 5 | 20 |
| CS826                                       | Deep Learning Theory and Practice    | 5 | 20 |
| <b>Students for the degree of MSc only:</b> |                                      |   |    |
| EE997                                       | MSc Project                          | 5 | 60 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the EE997 Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Machine Learning and Deep Learning, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the EE997 Project.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Machine Learning and Deep Learning, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Machine Learning and Deep Learning, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### MACHINE LEARNING AND DEEP LEARNING

Master of Science in Machine Learning and Deep Learning  
Postgraduate Diploma in Machine Learning and Deep Learning  
Postgraduate Certificate in Machine Learning and Deep Learning

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or good second class Honours degree (in electronic, electrical, computer science or other science-related subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120
  - iii. for the degree of MSc – no fewer than 180 credits including the EE997 project.

#### Compulsory Modules

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| DM996       | Intelligent Sensing, Reasoning and Deep Learning | 5     | 20      |
| EE969       | Digital Signal Processing Principles             | 5     | 20      |
| EE986       | Assignment and Professional Studies              | 5     | 20      |

|                                             |                                     |   |    |
|---------------------------------------------|-------------------------------------|---|----|
| CS982                                       | Big Data Technologies               | 5 | 20 |
| CS985                                       | Machine Learning for Data Analytics | 5 | 20 |
| <b>Students for the degree of MSc only:</b> |                                     |   |    |
| EE997                                       | MSc Project                         | 5 | 60 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

No fewer than 20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>         | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------|--------------|----------------|
| EE981              | Image and Video Processing  | 5            | 20             |
| CS412              | Information Access & Mining | 5            | 20             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the EE997 Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Machine Learning and Deep Learning, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the EE997 Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Machine Learning and Deep Learning, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.



10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Machine Learning and Deep Learning, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### RENEWABLE ENERGY AND DECARBONISATION TECHNOLOGIES

**Master of Science in Renewable Energy and Decarbonisation Technologies**  
**Postgraduate Diploma in Renewable Energy and Decarbonisation Technologies**  
**Postgraduate Certificate in Renewable Energy and Decarbonisation Technologies**

*These regulations are to be read in conjunction with [General Postgraduate Regulations](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering or Mechanical Engineering or cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. an appropriate professional experience.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) the maximum period of study shall be as follows:
  - i. Masters by full-time study 24 months
  - ii. PG Diploma by full-time study 18 months
  - iii. PG Certificate by full-time study 12 months

#### **Mode of Study**

4. The programmes are available by full-time and part-time study and online study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project

#### **Compulsory Modules**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| EE708       | Asset Management and Condition Monitoring | 5     | 10      |

|                                             |                                                                  |   |    |
|---------------------------------------------|------------------------------------------------------------------|---|----|
| EC928                                       | Energy Economics                                                 | 5 | 10 |
| EE877                                       | Wind Energy and Distributed Energy Resources 1                   | 5 | 10 |
| EExxx                                       | Solar Energy Systems                                             | 5 | 10 |
| EExxx                                       | Energy Storage Systems                                           | 5 | 10 |
| EE886                                       | Assignment and Professional Studies                              | 5 | 20 |
| EE875                                       | Power Electronics Principles                                     | 5 | 10 |
| EExxx                                       | Energy Decarbonisation Technologies                              | 5 | 10 |
| EE820                                       | Offshore Wind Farms O&M and Economics                            | 5 | 10 |
| <b>Students for the degree of MSc only:</b> |                                                                  |   |    |
| EE990                                       | MSc Project in Renewable Energy and Decarbonisation Technologies | 5 | 60 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

No fewer than 20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                         | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------------------|--------------|----------------|
| EV939              | Environmental Impact Assessment                             | 5            | 10             |
| CL994              | Circular Economy and Transformations towards Sustainability | 5            | 10             |
| DM951              | Design for Industry 4 and Smart Products                    | 5            | 10             |
| CL904              | Waste Management and Landfill Design                        | 5            | 10             |
| EE802              | Control and Protection of Future Networks                   | 5            | 10             |
| EE806              | Offshore and Pan European Supergrids                        | 5            | 10             |
| DM994              | Systems Engineering Concepts                                | 5            | 10             |
| DM943              | Sustainable Product Design & Manufacturing                  | 5            | 10             |
| DM920              | Strategic Technology Management                             | 5            | 10             |
| NM833              | Renewable Marine Energy Systems                             | 5            | 10             |

Not all optional modules on this list will be available in each academic year.

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

6. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
7. The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Renewable Energy and Decarbonisation Technologies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Renewable Energy and Decarbonisation Technologies, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Renewable Energy and Decarbonisation Technologies, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

### **MSC RENEWABLE ENERGY IN THE MARINE ENVIRONMENT**

**Master of Science in Renewable Energy in the Marine Environment with specialism in Offshore Renewables Energy Systems Engineering (Erasmus Mundus)**

**Master of Science in Renewable Energy in the Marine Environment with specialism in Power Electronics and Control for Offshore Renewable Energy Systems (Erasmus Mundus)**

**Postgraduate Certificate in Renewable Energy in the Marine Environment**

University of Strathclyde (UK), Universidad del Pais Vasco (Spain), Ecole Centrale de Nantes (France) and Norwegian University of Science and Technology (Norway)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a suitable higher education degree from European universities in the field of engineering, geosciences, oceanography, mathematics, physics or environmental sciences; or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English competency.

#### **Duration of Study**

3. The Programme is a two-year MSc consisting of 4 semesters of study (240 University of Strathclyde credits equivalent to 120 ECTS).

#### **Mode of study**

4. The programmes are available by full-time study only.

#### **Place of Study**

5. In accordance to Erasmus Mundus regulations on student mobility, each student must undertake the MSc by enrolling at three of the four Universities involved (including completion of the MSc Project). Hence, taught modules are delivered at the University of Strathclyde in Semester 1, Universidad del Pais Vasco in Semester 2, and Ecole Centrale de Nantes (Specialism A) or Norwegian University of Science and Technology (Specialism B) in Semester 3. The dissertation may be taken in any of the four Universities.

## Curriculum

### 6. Renewable Energy in the Marine Environment with specialism in Offshore Renewables Energy Systems Engineering

**First Year** - All students shall undertake an approved curriculum of no fewer than 120 credits (60 ECTS) as follows:

#### Compulsory Modules

| Module Code | Module Title                                                  | Level | Credits (ECTS/UoS) |
|-------------|---------------------------------------------------------------|-------|--------------------|
| NM946       | Inspection and Survey                                         | 5     | 5/10               |
| NM833       | Marine Renewable Energy Systems                               | 5     | 5/10               |
| NM978       | Physical Testing of Offshore Renewable Energy Systems         | 5     | 5/10               |
| NM960       | Finite Element Analysis of Floating Structures                | 5     | 5/10               |
| EC928       | Energy Economics                                              | 5     | 5/10               |
| EE816       | Environmental Impact Assessment for Offshore Renewable Energy | 5     | 5/10               |

#### Modules offered at Universidad Del Pais Vasco (Spain):

| Module Code | Module Title                                     | Level | Credits (ECTS/UoS) |
|-------------|--------------------------------------------------|-------|--------------------|
| UPV01       | Ocean Wave Energy and Offshore Wind Energy       | 5     | 4.5/9              |
| UPV02       | Advanced Fluid Dynamics Modelling                | 5     | 4.5/9              |
| UPV03       | Theoretical Aspects in Fluid Dynamics            | 5     | 3/6                |
| UPV04       | Computational Fluid Dynamics for Turbulent Flow  | 5     | 3/6                |
| UPV05       | Integration of Renewable Energy                  | 5     | 3/6                |
| UPV06       | Operation of Transmission and Distribution Grids | 5     | 3/6                |
| UPV07       | Environmental Conditions for Marine Renewables   | 5     | 3/6                |
| UPV08       | Operations and Maintenance of Marine Arrays      | 5     | 3/6                |
| UPV09       | Basque Language and Culture                      | 5     | 3/6                |

Exceptionally, one of the above modules can be replaced by a module from Renewable Energy in the Marine Environment with specialism in Power Electronics and Control for Offshore Renewable Energy Systems, as approved by the Programme Leader.

**Second Year** - All students shall undertake an approved curriculum of no fewer than 120 credits (60 ECTS) as follows:

### **Compulsory Modules**

**Modules offered at Ecole Centrale De Nantes (France):**

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits (ECTS/UoS)</b> |
|--------------------|------------------------------------------|--------------|---------------------------|
| ECN01              | Water Waves and Sea States Modelling     | 5            | 4/8                       |
| ECN02              | General Concepts of Hydrodynamics        | 5            | 4/8                       |
| ECN03              | Numerical Hydrodynamics                  | 5            | 5/10                      |
| ECN04              | Experimental Hydrodynamics               | 5            | 4/8                       |
| ECN05              | Marine RE: Offshore Wind Turbines        | 5            | 1/2                       |
| ECN06              | Marine RE: Tidal Turbines                | 5            | 2/4                       |
| ECN07              | Marine RE: Wave Energy Converters        | 5            | 2/4                       |
| ECN08              | Wave-Structure Interactions and Moorings | 5            | 4/8                       |
| ECN09              | French Language and Culture              | 5            | 4/8                       |

In addition, students shall undertake one of the following:

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits (ECTS/UoS)</b> |
|--------------------|---------------------|--------------|---------------------------|
| NM834              | MSc Project         | 5            | 30/60                     |
| UPV13              | MSc Project         | 5            | 30/60                     |
| ECN10              | MSc Project         | 5            | 30/60                     |

### **Renewable Energy in the Marine Environment with specialism in Power Electronics and Control for Offshore Renewable Energy Systems**

**First Year** - All students shall undertake an approved curriculum of no fewer than 120 credits (60 ECTS) as follows:

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                                           | <b>Level</b> | <b>Credits (ECTS/UoS)</b> |
|--------------------|---------------------------------------------------------------|--------------|---------------------------|
| EE872              | Control Principles 1                                          | 5            | 5/10                      |
| EE877              | Wind Energy and Distributed Energy Resources 1                | 5            | 5/10                      |
| NM833              | Marine Renewable Energy Systems                               | 5            | 5/10                      |
| EE866              | Power Electronics Devices, Drives and Machines 1              | 5            | 5/10                      |
| EC928              | Energy Economics                                              | 5            | 5/10                      |
| EE816              | Environmental Impact Assessment for Offshore Renewable Energy | 5            | 5/10                      |

Modules offered at Universidad Del Pais Vasco (Spain):

| <b>Module Code</b> | <b>Module Title</b>                              | <b>Level</b> | <b>Credits (ECTS/UoS)</b> |
|--------------------|--------------------------------------------------|--------------|---------------------------|
| UPV01              | Ocean Wave Energy and Offshore Wind Energy       | 5            | 4.5/9                     |
| UPV10              | Modelling of Wind/Marine Current Generators      | 5            | 3/6                       |
| UPV11              | Wave to Wire Control                             | 5            | 4.5/9                     |
| UPV05              | Integration of Renewable Energy                  | 5            | 3/6                       |
| UPV06              | Operation of Transmission and Distribution Grids | 5            | 3/6                       |
| UPV12              | Power Electronics in Offshore Power Systems      | 5            | 3/6                       |
| UPV07              | Environmental Conditions for Marine Renewables   | 5            | 3/6                       |
| UPV08              | Operations and Maintenance of Marine Arrays      | 5            | 3/6                       |
| UPV09              | Basque Language and Culture                      | 5            | 3/6                       |

Exceptionally, one of the above modules can be replaced by a module from Renewable Energy in the Marine Environment with specialism in Offshore Renewables Energy Systems Engineering, as approved by the Programme Leader.

**Second Year** - All students shall undertake an approved curriculum of no fewer than 120 credits (60 ECTS) as follows:

All students shall undertake all compulsory modules and no fewer than two optional modules.

### **Compulsory Modules**



**Modules offered at Norwegian University of Science and Technology (Norway):**

| Module Code | Module Title                                  | Level | Credits (ECTS/UoS) |
|-------------|-----------------------------------------------|-------|--------------------|
| NTNU01      | Applied Electromagnetics in Power Engineering | 5     | 7.5/15             |
| NTNU04      | Power Electronics                             | 5     | 7.5/15             |
| NTNU05      | Power System Analysis                         | 5     | 7.5/15             |

**Optional Modules**

| Module Code | Module Title                                  | Level | Credits (ECTS/UoS) |
|-------------|-----------------------------------------------|-------|--------------------|
| NTNU02      | Power Electronics in Future Power Systems     | 5     | 3.75/7.5           |
| NTNU03      | Wind Power in Electric Power Systems          | 5     | 3.75/7.5           |
| NTNU06      | Quality of Supply in Electrical Power Systems | 5     | 3.75/7.5           |

In addition, students shall undertake one of the following projects:

| Module Code | Module Title | Level | Credits (ECTS/UoS) |
|-------------|--------------|-------|--------------------|
| 19900       | MSc Project  | 5     | 30/60              |
| UPV13       | MSc Project  | 5     | 30/60              |
| NTNU07      | MSc Project  | 5     | 30/60              |

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- In order to progress to the second year of the programme, a student must have accumulated no fewer than 120 credits (60 ECTS) from the programme curriculum.
- The final award will be based on performance in the examinations and coursework together with the MSc project.

**Award**

- Degree of MSc:** In order to qualify for the degree of MSc in Renewable Energy in the Marine Environment with specialism in Offshore Renewables Energy Systems Engineering or the degree of MSc in Renewable Energy in the Marine Environment with specialism in Power Electronics and Control for Offshore Renewable Energy Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must

have accumulated no fewer than 240 credits (120 ECTS), of which 60 (30 ECTS) must have been awarded in respect of the MSc project.

11. A student on the Offshore Renewables Energy Systems Engineering specialism will receive a Joint Award from the University of Strathclyde and Universidad del Pais Vasco (UPV/EHU) and a Double Award from Ecole Centrale de Nantes (ECN). A student studying the Power Electronics and Control for Offshore Renewable Energy Systems specialism will receive a Joint Award from the University of Strathclyde, UPV/EHU and Norwegian University of Science and Technology (NTNU).
12. Students who do not qualify for the Degree of MSc may qualify for Postgraduate Certificate from University of Strathclyde as follows:
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Renewable Energy in the Marine Environment a candidate must have accumulated no fewer than 60 credits (30 ECTS) from the University of Strathclyde taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### SMART GRIDS

Master of Science in Smart Grids

Postgraduate Diploma in Smart Grids

Postgraduate Certificate in Smart Grids

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits.
  - ii. for the Postgraduate Diploma no fewer than 120 credits.
  - iii. for the degree of MSc no fewer than 180 credits including the EE819 project.

#### Compulsory Modules

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| EX506       | External Study                            | 5     | 60      |
| EE802       | Control and Protection of Future Networks | 5     | 10      |
| EE817       | Hardware IoT Communication System Design  | 5     | 10      |
| EE891       | 5G Communications Networks                | 5     | 10      |

|                                             |                                                     |   |    |
|---------------------------------------------|-----------------------------------------------------|---|----|
| EE812                                       | Cyber Security and Data Privacy                     | 5 | 10 |
| EE818                                       | Data Analytics for Smart Grids                      | 5 | 10 |
| EE803                                       | Power Electronics for Transmission and Distribution | 5 | 10 |
| <b>Students for the degree of MSc only:</b> |                                                     |   |    |
| EE819                                       | MSc Project and Internship                          | 5 | 60 |

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the EE819 Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Smart Grids, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE819.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Smart Grids a student must have accumulated no fewer than 120 credits from the taught curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Smart Grids a student must have accumulated no fewer than 60 credits from the taught curriculum (excluding EX506).

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### WIND ENERGY SYSTEMS

**Master of Science in Wind Energy Systems**  
**Postgraduate Diploma in Wind Energy Systems**  
**Postgraduate Certificate in Wind Energy Systems**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
  - iii. have appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits.
  - ii. for the Postgraduate Diploma no fewer than 120 credits.
  - iii. for the degree of MSc no fewer than 180 credits including the EE990 project.

#### **Compulsory Modules**

| Module Code                                 | Module Title                        | Level | Credits |
|---------------------------------------------|-------------------------------------|-------|---------|
| EE989                                       | Wind Turbine Technology             | 5     | 20      |
| EE988                                       | Power Systems and Wind Integration  | 5     | 20      |
|                                             |                                     |       |         |
| EE986                                       | Assignment and Professional Studies | 5     | 20      |
| <b>Students for the degree of MSc only:</b> |                                     |       |         |

|       |             |   |    |
|-------|-------------|---|----|
| EE990 | MSc Project | 5 | 60 |
|-------|-------------|---|----|

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Optional Modules**

All students shall undertake at least 40 credits from List A.

#### **List A**

| <b>Module Code</b> | <b>Module Title</b>                                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------|--------------|----------------|
| EE873              | Advanced Power and Energy Systems                         | 5            | 20             |
| EE966              | Power Electronics, Machines and Applications              | 5            | 20             |
| EE967              | Power System Design, Operation and Protection             | 5            | 20             |
| EE972              | Control Principles                                        | 5            | 20             |
| EE974              | High Voltage Technology and Electromagnetic Compatibility | 5            | 20             |
| EE975              | Power Electronics for Energy and Drive Control            | 5            | 20             |
| EE976              | Power System Economics, Markets and Asset Management      | 5            | 20             |
| EE999              | PGDip Electronic and Electrical Engineering Dissertation  | 5            | 20             |

#### **List B**

| <b>Module Code</b> | <b>Module Title</b>              | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------|--------------|----------------|
| EC928              | Energy Economics                 | 5            | 10             |
| NM946              | Inspection and Survey            | 5            | 20             |
| NM969              | Renewable Marine Energy Systems  | 5            | 10             |
| CL961              | Geographical Information Systems | 5            | 10             |
| EV939              | Environmental Impact Assessment  | 5            | 10             |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Wind Energy Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE990.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Wind Energy Systems, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Wind Energy Systems, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## FACULTY PROGRAMMES

### ADVANCED ENGINEERING STUDIES

**Master of Science in Advanced Engineering Studies**

**Postgraduate Diploma in Advanced Engineering Studies**

**Postgraduate Certificate in Advanced Engineering Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. It is expected that, in most cases, students will be admitted to the non-graduating Advanced Engineering Studies Programme in the first instance.

#### **Duration of Study**

2. The minimum duration of study is set out in the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Students shall be required to complete their programme including the submission of any dissertation, or design report within the following maximum durations of study:

- |      |                                   |                        |
|------|-----------------------------------|------------------------|
| i.   | Masters by part-time study        | 72 months elapsed time |
| ii.  | PG Diploma by part-time study     | 60 months elapsed time |
| iii. | PG Certificate by part-time study | 36 months elapsed time |

#### **Place of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by part-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits as detailed below
  - ii. for the Postgraduate Diploma – no fewer than 120 credits as detailed below
  - iii. for the degree of MSc - no fewer than 180 credits including a project

#### **Compulsory Modules (MSc degree only)**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| EF900       | Individual Project | 5     | 60      |



## **Optional Modules**

6. Students must choose no fewer than 120 taught credits chosen from modules taught by any Department within the Faculty of Engineering. A minimum of 100 credits should be at Level 5.
7. Not all modules will run each year and so the curriculum of every student must be discussed and approved, in advance, by the Programme Director.
8. Exceptionally, and with the approval of the Programme Director, students may substitute Engineering modules with other Level 5 modules offered across the University.

## **Examination, Progress and Final Assessment**

9. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
10. The final award will be based on performance in the examinations, coursework and the Project where undertaken.

## **Award**

11. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Engineering Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the Individual Project EF900.
12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Engineering Studies, a candidate must have accumulated no fewer than 120 taught credits, of which 20 credits must be awarded for the Project Scoping CP967.
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Engineering Studies, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

## **Transfer**

14. Students who have accumulated at least 60 credits may, upon meeting specific programme requirements, be transferred and considered for an award of MSc, Postgraduate Diploma or Postgraduate Certificate in an appropriate Engineering programme.

# FACULTY OF ENGINEERING

## FACULTY PROGRAMMES

### ENGINEERING PROJECT MANAGEMENT (online)

Master of Science in Engineering Project Management (online)

Postgraduate Diploma in Engineering Project Management (online)

Postgraduate Certificate in Engineering Project Management (online)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), will apply.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. For the Postgraduate Certificate, no fewer than 60 credits from the compulsory list
  - ii. For the Postgraduate Diploma, no fewer than 120 credits from the compulsory list.
  - iii. For the degree of MSc, no fewer than 180 credits, including 60 credits from DM802 Postgraduate Individual Project.

5. **First year** - All students shall undertake modules amounting to 60 credits as follows:

#### Compulsory Modules

| Module Code | Module Title                                                          | Level | Credits |
|-------------|-----------------------------------------------------------------------|-------|---------|
| DM805       | Engineering Risk Management (online)                                  | 5     | 10      |
| DM810       | People, Organisation and Leadership (online)                          | 5     | 10      |
| DM811       | Project Management (online)                                           | 5     | 10      |
| DM814       | Technology and Innovation Management (online)                         | 5     | 10      |
| DM808       | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5     | 10      |
| DM812       | Strategic Procurement Management (online)                             | 5     | 10      |

6. **Second Year** – All students shall undertake modules amounting to 60 credits as follows:

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                                             | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------------|--------------|----------------|
| DM801              | Postgraduate Group Project (online)                             | 5            | 40             |
| DM807              | Financial information (online)                                  | 5            | 10             |
| DM809              | Management of Total Quality and Continuous improvement (online) | 5            | 10             |

#### **7. Third Year - Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| DM802              | Postgraduate Individual Project (online) | 5            | 60             |

### **Examination, Progress and Final Assessment**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. The final award will be based on performance in the examinations, coursework, the project where undertaken.

### **Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Engineering Project Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Postgraduate Individual Project DM802.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Engineering Project Management, a candidate must have accumulated no fewer than 120 credits from the taught curriculum,
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Engineering Project Management, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## FACULTY PROGRAMMES

### ENGINEERING PROJECT MANAGEMENT

Master of Science in Engineering Project Management  
Postgraduate Diploma in Engineering Project Management  
Postgraduate Certificate in Engineering Project Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full or part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the modules in List A
  - ii. for the Postgraduate Diploma no fewer than 120 credits, including 60 from List A, no fewer than 30 from the modules in List B and a Group Project of 30 credits
  - iii. for the degree of MSc no fewer than 180 credits, including the Project

#### Modules

##### List A - Faculty-wide Modules

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| EF937       | Design Management                   | 5     | 10      |
| EF938       | Risk Management                     | 5     | 10      |
| CP941       | Understanding Financial Information | 5     | 10      |

|       |                                                        |   |    |
|-------|--------------------------------------------------------|---|----|
| CD901 | Project Management                                     | 5 | 10 |
| M9851 | Commercial Management                                  | 5 | 10 |
| EF939 | Management of Total Quality and Continuous Improvement | 5 | 10 |

#### **List B - Specialist Modules**

| <b>Module Code</b> | <b>Module Title</b>                                | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------|--------------|----------------|
| ME919              | Electrical Power Systems                           | 5            | 10             |
| ME921              | Environmental Performance and Related Technologies | 5            | 10             |
| ME922              | Energy Resources and Policy                        | 5            | 10             |
| ME924              | Power Plant Systems                                | 5            | 10             |
| ME926              | Nuclear Power Systems                              | 5            | 10             |
| DM936              | Project Control and Change Management              | 5            | 10             |
| EE990              | Regulatory Affairs and Asset Management            | 5            | 10             |

Such other Faculty Level 5 modules, as approved by the Programme Leader.

#### **Students for the degree of MSc and Postgraduate Diploma will undertake:**

| <b>Module Code</b> | <b>Module Title</b>                | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------|--------------|----------------|
| EF931              | Project Engineering: Group Project | 5            | 30             |

#### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| EF900              | Project             | 5            | 60             |

#### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, the project where undertaken.

#### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Engineering Project Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project EF900.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Engineering Project Management, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Engineering Project Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## FACULTY PROGRAMMES

### SUSTAINABLE ENGINEERING

Master of Science in Sustainable Engineering  
Postgraduate Diploma in Sustainable Engineering  
Postgraduate Certificate in Sustainable Engineering

Advanced Construction Technologies and Building Information Management  
Chemical Processing  
Marine Technology  
Offshore Renewable Energy  
Renewable Energy Systems and the Environment

Postgraduate programmes offered within the Faculty Programme in Sustainable Engineering have a common overall structure where award of qualifications depends upon the pursuance of a named distinct pathway.

*These regulations are to be read in conjunction with [General Academic Regulations Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

2. The programmes are available by full-time and part-time study.

#### Programme Structure

3. The following distinct pathways are named postgraduate awards in Sustainable Engineering of the Faculty of Engineering:
  - i. Advanced Construction Technologies and Building Information Management
  - ii. Chemical Processing
  - iii. Marine Technology
  - iv. Offshore Renewable Energy
  - v. Renewable Energy Systems and the Environment

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits including AB975 Sustainability
  - ii. for the Postgraduate Diploma no fewer than 120 credits including AB975 Sustainability and EF936 Sustainable Engineering Group Project
  - iii. for the degree of MSc no fewer than 180 credits including EF900 Individual Project

#### Sustainable Engineering: Advanced Construction Technologies and Building Information Management

##### Compulsory Modules

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| AB975       | Sustainability | 5     | 10      |

|       |                                    |   |    |
|-------|------------------------------------|---|----|
| AB991 | Building Information Management    | 5 | 10 |
| AB998 | Advanced Construction Technologies | 5 | 10 |

**Students for the degree of MSc and Postgraduate Diploma will undertake:**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EF936       | Sustainable Engineering Group Project | 5     | 40      |

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| EF900       | Individual Project | 5     | 60      |

### **Optional Modules**

Students shall undertake no fewer than 50 credits of optional modules from List A or the Faculty-wide modules listed in section 5 below.

#### **List A**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| AB992       | Contract Administration and Practice | 5     | 10      |
| AB995       | Facilities Management                | 5     | 10      |

Not all optional modules in these lists will be available in each academic year.

### **Sustainable Engineering: Chemical Processing**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| AB975       | Sustainability | 5     | 10      |

**Students for the degree of MSc and Postgraduate Diploma will undertake:**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EF936       | Sustainable Engineering Group Project | 5     | 40      |

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| EF900       | Individual Project | 5     | 60      |

Students must also choose an additional 70 credits, which must include a minimum of 10 credits from List A, 30 credits from List B and 20 credits from the Faculty-wide modules listed in section 5 below.

#### **List A**



| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| CP917       | Process Design Principles | 5     | 10      |
| CP974       | Advanced Process Design   | 5     | 20      |

#### List B

| Module Code | Module Title                                                | Level | Credits |
|-------------|-------------------------------------------------------------|-------|---------|
| CP527       | Petroleum Engineering                                       | 5     | 10      |
| CP538       | Environmental Engineering for Solving Industrial Challenges | 5     | 10      |
| CP530       | Safety Management Practices                                 | 5     | 10      |
| CP529       | Programming and Optimisation                                | 5     | 10      |
| CP523       | Molecular Simulation in Chemical Engineering                | 5     | 10      |
| CP537       | Electrochemical Energy Devices                              | 5     | 10      |
| CP533       | Clean Combustion Technologies                               | 5     | 10      |

Not all optional modules in these lists will be available in each academic year.

### Sustainable Engineering: Marine Technology

#### Compulsory Modules\*

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| AB975       | Sustainability                    | 5     | 10      |
| NM961       | Design and Construction of FPSOs  | 5     | 10      |
| NM950       | Maritime Safety and Risk          | 5     | 10      |
| NM958       | Risers and Mooring Lines          | 5     | 10      |
| NM962       | Advanced Marine Structures        | 5     | 10      |
| NM963       | Theory and Practice of Marine CFD | 5     | 10      |

\*Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

#### Students for the degree of MSc and Postgraduate Diploma will undertake:

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EF936       | Sustainable Engineering Group Project | 5     | 40      |

#### Students for the degree of MSc only:

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| EF900       | Individual Project | 5     | 60      |

### **Optional Modules**

Students shall undertake 20 credits from the Faculty-wide modules listed in section 5 below.

## **Sustainable Engineering: Offshore Renewable Energy**

### **Compulsory Modules\***

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| AB975       | Sustainability                                 | 5     | 10      |
| NM960       | Finite Element Analysis of Floating Structures | 5     | 10      |
| NM969       | Renewable Marine Energy Systems                | 5     | 10      |
| NM978       | Physical Testing of Offshore Renewable Devices | 5     | 10      |
| ME929       | Electrical Power Systems                       | 5     | 10      |
| ME927       | Energy Resources and Policy                    | 5     | 10      |

\*Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

### **Students for the degree of MSc and Postgraduate Diploma will undertake:**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EF936       | Sustainable Engineering Group Project | 5     | 40      |

### **Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| EF900       | Individual Project | 5     | 60      |

### **Optional Modules**

Students shall undertake 20 credits from the Faculty-wide modules listed in section 5 below.

## **Sustainable Engineering: Renewable Energy Systems and the Environment**

### **Compulsory Modules**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| AB975 | Sustainability                  | 5 | 10 |
| ME929 | Electrical Power Systems        | 5 | 10 |
| ME927 | Energy Resources and Policy     | 5 | 10 |
| ME928 | Energy Systems Analysis         | 5 | 10 |
| ME930 | Energy Modelling and Monitoring | 5 | 10 |

**Students for the degree of MSc and Postgraduate Diploma will undertake:**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| EF936       | Sustainable Engineering Group Project | 5     | 40      |

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| EF900       | Individual Project | 5     | 60      |

### **Optional Modules**

Students shall undertake 30 credits from either the Faculty-wide modules listed in section 5 below or suitable alternative modules to be approved by the appropriate program leader.

### **5. Faculty-wide Modules**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| EF929       | Financial Engineering                | 5     | 10      |
| EF927       | Design Management                    | 5     | 10      |
| EF931       | Project Management                   | 5     | 10      |
| EF932       | Risk Management                      | 5     | 10      |
| EV939       | Environmental Impact Assessment      | 5     | 10      |
| EF945       | Knowledge and Information Management | 5     | 10      |

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the Individual Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Sustainable Engineering: in a distinct pathway, a candidate must have performed to the satisfaction

of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Individual Project.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Sustainable Engineering: in a distinct pathway, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits from the taught programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Sustainable Engineering: in a distinct pathway, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

### ADVANCED MATERIALS ENGINEERING

Master of Science in Advanced Materials Engineering  
Postgraduate Diploma in Advanced Materials Engineering  
Postgraduate Certificate in Advanced Materials Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or
  - ii. a qualification deemed by the Postgraduate (taught) Programme Director acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the project

#### Compulsory Modules

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| ME962       | Degradation of Metals and Alloys              | 5     | 10      |
| ME966       | Fundamentals of Materials Science             | 5     | 10      |
| ME978       | Advanced Materials Processing & Manufacturing | 5     | 10      |
| 16565       | Engineering Composites                        | 5     | 10      |
| ME931       | Industrial Metallurgy                         | 5     | 10      |

| Students for the degree of MSc only: |         |   |    |
|--------------------------------------|---------|---|----|
| ME900                                | Project | 5 | 60 |

### **Optional Modules**

Student must choose 70 credits of optional credits which must include a minimum of 30 credits from List A and a minimum of 30 credits from List B.

#### **List A**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| EF927       | Design Management               | 5     | 10      |
| EF931       | Project Management              | 5     | 10      |
| EF932       | Risk Management                 | 5     | 10      |
| EF929       | Financial Engineering           | 5     | 10      |
| AB975       | Sustainability                  | 5     | 10      |
| EV939       | Environmental Impact Assessment | 5     | 10      |

#### **List B**

| Module Code | Module Title                                                        | Level | Credits |
|-------------|---------------------------------------------------------------------|-------|---------|
| BE900       | Tissue Mechanics                                                    | 5     | 10      |
| BE906       | Biomaterials and Biocompatibility                                   | 5     | 10      |
| CL966       | Materials and Microstructures                                       | 5     | 10      |
| CL976       | Pre-stressed concrete, composite materials and structural stability | 5     | 10      |
| CP970       | Molecular and Interfacial Science (online)                          | 5     | 10      |
| DM946       | Micro and Nano Manufacturing                                        | 5     | 10      |
| DM947       | Advanced Forming Technology and Systems                             | 5     | 10      |
| DM948       | Advanced Materials and Production Technology                        | 5     | 10      |
| 16598       | Aerodynamic Performance                                             | 5     | 10      |
| ME923**     | Gas and Steam Turbines                                              | 5     | 10      |
| ME926**     | Nuclear Power Systems                                               | 5     | 10      |
| ME927       | Energy Resources and Policy                                         | 5     | 10      |
| ME928       | Energy Systems Analysis                                             | 5     | 10      |

|                                                                                                                                                               |                                                          |   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---|----|
| ME929                                                                                                                                                         | Electrical Power Systems                                 | 5 | 10 |
| ME930                                                                                                                                                         | Energy Modelling and Monitoring                          | 5 | 10 |
| ME945**                                                                                                                                                       | Introduction to Open Source Computational Fluid Dynamics | 5 | 10 |
| ME948**                                                                                                                                                       | Hydraulics                                               | 5 | 10 |
| ME950**                                                                                                                                                       | Boiler Thermal Hydraulics                                | 5 | 10 |
| ME953                                                                                                                                                         | Engineering Artificial Environments                      | 5 | 10 |
| ME963**                                                                                                                                                       | Structural Integrity                                     | 5 | 10 |
| ME965**                                                                                                                                                       | FEA in Mechanical Engineering Design                     | 5 | 10 |
| Additional Level 5 modules offered by the Department of Mechanical and Aerospace Engineering, listed in the Mechanical Engineering Undergraduate Regulations. |                                                          |   |    |

\*\*denotes those modules delivered by online learning. A maximum of 30 credits of online modules, spread over two semesters, may be selected.

Not all optional modules on this list will be available in each academic year.  
Exceptionally, such other Level 5 modules as may be approved by the Programme Adviser.

**Students for the Postgraduate Diploma only will have the additional optional module:**

| Module Code | Module Title                                            | Level | Credits |
|-------------|---------------------------------------------------------|-------|---------|
| ME973       | Mechanical and Aerospace Engineering PGDip Dissertation | 5     | 20      |

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Materials Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project ME900.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Materials Engineering, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Materials Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

### ADVANCED MECHANICAL ENGINEERING (ONLINE LEARNING)

Master of Science in Advanced Mechanical Engineering (online learning)  
Postgraduate Diploma in Advanced Mechanical Engineering (online learning)  
Postgraduate Certificate in Advanced Mechanical Engineering (online learning)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or
  - ii. a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by part-time online-learning only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the project

#### Compulsory Modules

Students for the degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| ME900       | Project      | 5     | 60      |

#### Optional Modules

Students shall undertake 120 credits from the list below:

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| ME529       | Aerodynamics in C | 5     | 10      |



|       |                                                              |   |    |
|-------|--------------------------------------------------------------|---|----|
| ME919 | Electrical Power Systems                                     | 5 | 10 |
| ME923 | Gas and Steam Turbines                                       | 5 | 10 |
| ME926 | Nuclear Power Systems                                        | 5 | 10 |
| ME945 | Introduction to Open-Source CFD                              | 5 | 10 |
| ME946 | Pressurised Systems                                          | 5 | 10 |
| ME948 | Hydraulics                                                   | 5 | 10 |
| ME950 | Boiler Thermal Hydraulics                                    | 5 | 10 |
| ME960 | Applied Metallurgy                                           | 5 | 10 |
| ME962 | Degradation of Metals and Alloys                             | 5 | 10 |
| ME963 | Structural Integrity                                         | 5 | 10 |
| ME965 | FEA in Mechanical Engineering Design                         | 5 | 10 |
| ME966 | Fundamentals of Material Science                             | 5 | 10 |
| ME979 | Fundamentals of Aeronautical Engineering                     | 5 | 10 |
| DM807 | Financial Information                                        | 5 | 10 |
| DM808 | Introduction to Systems Thinking, Modelling and Optimisation | 5 | 10 |
| DM810 | People, Organisation and Leadership                          | 5 | 10 |
| DM811 | Project Management                                           | 5 | 10 |
| DM812 | Strategic Procurement Management                             | 5 | 10 |
| DM814 | Technology and Innovation Management                         | 5 | 10 |

**Students for the Postgraduate Diploma only, in addition will have the optional module:**

| Module Code | Module Title                                            | Level | Credits |
|-------------|---------------------------------------------------------|-------|---------|
| ME973       | Mechanical and Aerospace Engineering PGDip Dissertation | 5     | 20      |

*Not all optional modules in these lists will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.*

Exceptionally, such other Level 5 modules as may be approved by the Programme Director.

#### **Examination, Progress and Final Assessment**

- The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), shall apply.
- The final award will be based on performance in the examinations, coursework and the project where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc Advanced Mechanical Engineering (online learning), a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project ME900.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Mechanical Engineering (online learning), a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Mechanical Engineering (online learning), a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

### ADVANCED MECHANICAL ENGINEERING

**Master of Science in Advanced Mechanical Engineering with Industrial Placement**

**Master of Science in Advanced Mechanical Engineering**

**Postgraduate Diploma in Advanced Mechanical Engineering**

**Postgraduate Certificate in Advanced Mechanical Engineering**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or
  - ii. a qualification deemed by the Postgraduate (taught) Course Director acting on behalf of Senate to be equivalent to i. above
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### **Duration of Study**

3. The minimum period of study shall be 18 months.

#### **Mode of Study**

4. This programme is available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 210 credits including the project and Industrial Placement

#### **Compulsory Modules**

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| ME900       | Project              | 5     | 60      |
| ME944       | Industrial Placement | 5     | 30      |

#### **Optional Modules**

Students must choose 120 credits of optional modules from List A or List B (including no fewer than 30 credits from list A and no fewer than 80 credits from List B)

**List A**

| <b>Module Code</b> | <b>Module Title</b>                     | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------|--------------|----------------|
| EF927              | Design Management                       | 5            | 10             |
| EF931              | Project Management                      | 5            | 10             |
| EF932              | Risk Management                         | 5            | 10             |
| EF929              | Financial Engineering                   | 5            | 10             |
| AB975              | Sustainability                          | 5            | 10             |
| EV939              | Environmental Impact Assessment         | 5            | 10             |
| SU902              | Concepts and Theories of Sustainability | 5            | 10             |
| SU904              | Knowledge systems for sustainability    | 5            | 10             |

No fewer than 80 credits from List B.

**List B**

| <b>Module Code</b> | <b>Module Title</b>                                      | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------|--------------|----------------|
| 16598              | Aerodynamic Performance                                  | 5            | 10             |
| ME923**            | Gas and Steam Turbines                                   | 5            | 10             |
| ME926**            | Nuclear Power Systems                                    | 5            | 10             |
| ME927              | Energy Resources and Policy                              | 5            | 10             |
| ME928              | Energy Systems Analysis                                  | 5            | 10             |
| ME929              | Electrical Power Systems                                 | 5            | 10             |
| ME930              | Energy Modelling and Monitoring                          | 5            | 10             |
| ME931              | Industrial Metallurgy                                    | 5            | 10             |
| ME945**            | Introduction to Open Source Computational Fluid Dynamics | 5            | 10             |
| ME948**            | Hydraulics                                               | 5            | 10             |
| ME950**            | Boiler Thermal Hydraulics                                | 5            | 10             |
| ME953              | Engineering Artificial Environments                      | 5            | 10             |
| ME962**            | Degradation of Metals and Alloys                         | 5            | 10             |
| ME963**            | Structural Integrity                                     | 5            | 10             |
| ME965**            | FEA in Mechanical Engineering Design                     | 5            | 10             |

|         |                                   |   |    |
|---------|-----------------------------------|---|----|
| ME966** | Fundamentals of Materials Science | 5 | 10 |
|---------|-----------------------------------|---|----|

Additional Level 5 modules offered by the Department of Mechanical and Aerospace Engineering, as listed in the Mechanical Engineering Undergraduate regulations.

\*\*denotes those modules delivered by online learning. A maximum of 30 credits of online modules, spread over two semesters, may be selected.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

Exceptionally, such other Level 5 modules as may be approved by the Programme Adviser.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the project and Industrial Placement.

### Award

- Degree of MSc in Advanced Mechanical Engineering with Industrial Placement:** In order to qualify for the award of the degree of MSc in Advanced Mechanical Engineering with Industrial Placement, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 210 credits, of which 90 must have been awarded in respect of the ME944 Industrial Placement and ME900 project.

Students who fail to accumulate 210 credits over the programme duration may be considered for one of the following alternative exit awards:

- MSc in Advanced Mechanical Engineering:** In order to qualify for the award of the degree of MSc in Advanced Mechanical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the course curriculum. The 180 credits must include ME900 and 120-taught credits from List A and List B.
- Postgraduate Diploma in Advanced Mechanical Engineering:** In order to qualify for the award of Postgraduate Diploma in Advanced Mechanical Engineering, a candidate must have accumulated no fewer than 120 credits from List A or List B.
- Postgraduate Certificate in Advanced Mechanical Engineering:** In order to qualify for the award of Postgraduate Certificate in Advanced Mechanical Engineering, a candidate must have accumulated no fewer than 60 credits from List A or List B.

# FACULTY OF ENGINEERING

## DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

### ADVANCED MECHANICAL ENGINEERING

Master of Science in Advanced Mechanical Engineering

Master of Science in Advanced Mechanical Engineering with Aerospace

Master of Science in Advanced Mechanical Engineering with Energy Systems

Master of Science in Advanced Mechanical Engineering with Materials

Master of Science in Advanced Mechanical Engineering with Power Plant Technologies

Postgraduate Diploma in Advanced Mechanical Engineering

Postgraduate Certificate in Advanced Mechanical Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or
  - ii. a qualification deemed by the Postgraduate (taught) Programme Director acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the project

#### MSc in Advanced Mechanical Engineering

##### Compulsory Modules

Students for the degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| ME900       | Project      | 5     | 60      |

**Optional Modules:**

Students must choose 120 credits from List A and List B (including no fewer than 30 credits from List A and no fewer than 80 credits from List B).

**MSc in Advanced Mechanical Engineering with Aerospace****Compulsory Modules**

| Module Code                          | Module Title                             | Level | Credits |
|--------------------------------------|------------------------------------------|-------|---------|
| 16599                                | Aerodynamic Propulsion Systems           | 5     | 10      |
| ME512                                | Spaceflight Mechanics                    | 5     | 10      |
| ME979**                              | Fundamentals of Aeronautical Engineering | 5     | 10      |
| Students for the degree of MSc only: |                                          |       |         |
| ME900                                | Project                                  | 5     | 60      |

**Optional Modules**

Students must choose 90 credits of optional modules from Lists A or B. Including compulsory modules, students must have taken no fewer than 30 credits from List A and no fewer than 80 credits from List B.

**MSc Advanced Mechanical Engineering with Energy Systems****Compulsory Modules**

| Module Code                          | Module Title                    | Level | Credits |
|--------------------------------------|---------------------------------|-------|---------|
| ME927                                | Energy Resources and Policy     | 5     | 10      |
| ME929                                | Electrical Power Systems        | 5     | 10      |
| ME930                                | Energy Modelling and Monitoring | 5     | 10      |
| Students for the degree of MSc only: |                                 |       |         |
| ME900                                | Project                         | 5     | 60      |

**Optional Modules**

Students must choose 90 credits of optional modules from Lists A or B. Including compulsory modules, students must have taken no fewer than 30 credits from List A and no fewer than 80 credits from List B.

**MSc in Advanced Mechanical Engineering with Materials****Compulsory Modules**

| Module Code                          | Module Title                                    | Level | Credits |
|--------------------------------------|-------------------------------------------------|-------|---------|
| 16565                                | Engineering Composites                          | 5     | 10      |
| ME931                                | Industrial Metallurgy                           | 5     | 10      |
| ME978                                | Advanced Materials Processing and Manufacturing | 5     | 10      |
| Students for the degree of MSc only: |                                                 |       |         |
| ME900                                | Project                                         | 5     | 60      |

### **Optional Modules**

Students must choose 90 credits of optional modules from Lists A or B. Including compulsory modules, students must have taken no fewer than 30 credits from List A and no fewer than 80 credits from List B.

## **MSc in Advanced Mechanical Engineering with Power Plant Technologies**

### **Compulsory Modules**

| Module Code                          | Module Title              | Level | Credits |
|--------------------------------------|---------------------------|-------|---------|
| ME929                                | Electrical Power Systems  | 5     | 10      |
| ME923**                              | Gas and Steam Turbines    | 5     | 10      |
| ME950**                              | Boiler Thermal Hydraulics | 5     | 10      |
| Students for the degree of MSc only: |                           |       |         |
| ME900                                | Project                   | 5     | 60      |

### **Optional Modules**

Students must choose 90 credits of optional modules from Lists A or B. Including compulsory modules, students must have taken no fewer than 30 credits from List A and no fewer than 80 credits from List B.

### **List A**

| Module Code | Module Title          | Level | Credits |
|-------------|-----------------------|-------|---------|
| EF927       | Design Management     | 5     | 10      |
| EF931       | Project Management    | 5     | 10      |
| EF932       | Risk Management       | 5     | 10      |
| EF929       | Financial Engineering | 5     | 10      |
| AB975       | Sustainability        | 5     | 10      |



|       |                                         |   |    |
|-------|-----------------------------------------|---|----|
| EV939 | Environmental Impact Assessment         | 5 | 10 |
| SU902 | Concepts and Theories of Sustainability | 5 | 10 |
| SU904 | Knowledge systems for sustainability    | 5 | 10 |

#### List B

| Module Code                                                                                                                                                   | Module Title                                             | Level | Credits |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------|---------|
| ME923**                                                                                                                                                       | Gas and Steam Turbines                                   | 5     | 10      |
| ME926**                                                                                                                                                       | Nuclear Power Systems                                    | 5     | 10      |
| ME927                                                                                                                                                         | Energy Resources and Policy                              | 5     | 10      |
| ME928                                                                                                                                                         | Energy Systems Analysis                                  | 5     | 10      |
| ME929                                                                                                                                                         | Electrical Power Systems                                 | 5     | 10      |
| ME930                                                                                                                                                         | Energy Modelling and Monitoring                          | 5     | 10      |
| ME931                                                                                                                                                         | Industrial Metallurgy                                    | 5     | 10      |
| ME945**                                                                                                                                                       | Introduction to Open Source Computational Fluid Dynamics | 5     | 10      |
| ME948**                                                                                                                                                       | Hydraulics                                               | 5     | 10      |
| ME950**                                                                                                                                                       | Boiler Thermal Hydraulics                                | 5     | 10      |
| ME953                                                                                                                                                         | Engineering Artificial Environments                      | 5     | 10      |
| ME962**                                                                                                                                                       | Degradation of Metals and Alloys                         | 5     | 10      |
| ME963**                                                                                                                                                       | Structural Integrity                                     | 5     | 10      |
| ME965**                                                                                                                                                       | FEA in Mechanical Engineering Design                     | 5     | 10      |
| ME966**                                                                                                                                                       | Fundamentals of Materials Science                        | 5     | 10      |
| ME975                                                                                                                                                         | Satellite Data Assimilation and Analysis                 | 5     | 10      |
| ME976                                                                                                                                                         | Satellite Applications for Sustainable Development Goals | 5     | 10      |
| ME977                                                                                                                                                         | Machine Learning for Satellite Data                      | 5     | 10      |
| ME978                                                                                                                                                         | Advanced materials Processing and Manufacture            | 5     | 10      |
| ME979**                                                                                                                                                       | Fundamentals of Aeronautical Engineering                 | 5     | 10      |
| Additional Level 5 modules offered by the Department of Mechanical and Aerospace Engineering, listed in the Mechanical Engineering Undergraduate Regulations. |                                                          |       |         |

\*\*denotes those modules delivered by online learning. A maximum of 30 credits spread over two semesters by online learning may be selected.

Not all optional modules on this list will be available in each academic year.  
Exceptionally, such other Level 5 modules as may be approved by the Programme Adviser.

### Students for the Postgraduate Diploma only

In addition will have the optional module:

| Module Code | Module Title                                            | Level | Credits |
|-------------|---------------------------------------------------------|-------|---------|
| ME973       | Mechanical and Aerospace Engineering PGDip Dissertation | 5     | 20      |

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework and the project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Mechanical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project ME900.
- For the degrees of MSc in Advanced Mechanical Engineering with Aerospace, MSc in Advanced Mechanical Engineering with Energy Systems, Advanced Mechanical Engineering with Materials and Advanced Mechanical Engineering with Power Plant Technologies the candidate must have attained the credits in the appropriate compulsory modules. Candidates may only choose one specialism.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Mechanical Engineering, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Mechanical Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### ADVANCED NAVAL ARCHITECTURE

Master of Science in Advanced Naval Architecture  
Postgraduate Diploma in Advanced Naval Architecture  
Postgraduate Certificate in Advanced Naval Architecture

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as detailed below:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits, including NM839 Group Design Project
  - iii. for the degree of MSc – no fewer than 180 credits, including NM965 Individual Project

#### Compulsory Modules

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| NM835       | Ship Operability and Control      | 5     | 10      |
| NM962       | Advanced Marine Structures        | 5     | 10      |
| NM838       | Ship Powering in Service          | 5     | 10      |
| NM950       | Maritime Safety and Risk          | 5     | 10      |
| NM973       | Maritime Regulatory Framework     | 5     | 10      |
| NM840       | Advanced Marine Design            | 5     | 10      |
| NM963       | Theory and Practice of Marine CFD | 5     | 10      |

#### Students for the Postgraduate Diploma and degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                      |   |    |
|-------|----------------------|---|----|
| NM839 | Group Design Project | 5 | 40 |
|-------|----------------------|---|----|

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

**Optional Modules**

10 credits chosen from:

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| NM842       | Offshore Structural Integrity                 | 5     | 10      |
| NM845       | Shipping Economics and Market Sector Analysis | 5     | 10      |
| NM844       | Autonomous Marine Vehicles and Digital Twin   | 5     | 10      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

**Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Naval Architecture, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which no fewer than 80 must be from the taught modules, 40 from the Group Design Project NM839 and 60 from the Individual Project NM965.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Naval Architecture a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the Group Design Project NM839.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Naval Architecture a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

### SATELLITE DATA FOR SUSTAINABLE DEVELOPMENT

**Master of Science in Satellite Data for Sustainable Development**  
**Postgraduate Diploma in Satellite Data for Sustainable Development**  
**Postgraduate Certificate in Satellite Data for Sustainable Development**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in a Business, Social Science, Science or Engineering field; or
  - ii. possess a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time or part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code                                 | Module Title                                           | Level | Credits |
|---------------------------------------------|--------------------------------------------------------|-------|---------|
| CL961                                       | Geographical Information Systems                       | 5     | 10      |
| ME975                                       | Satellite Data Assimilation and Analysis               | 5     | 10      |
| ME977                                       | Machine Learning for Satellite Data                    | 5     | 10      |
| ME9XX                                       | Satellite Data Applications to Sustainable Development | 5     | 10      |
| SU902                                       | Concepts and Theories of Sustainability                | 5     | 10      |
| <b>Students for the degree of MSc only:</b> |                                                        |       |         |
| ME900                                       | Project                                                | 5     | 60      |

### **Optional Modules**

A minimum of 20 credits from the following:

| <b>Module Code</b> | <b>Module Title</b>                                                | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------------------------|--------------|----------------|
| EF931              | Project Management                                                 | 5            | 10             |
| AB975              | Sustainability (Sem 1)                                             | 5            | 10             |
| CL994              | Circular Economy and Transformations Towards Sustainability        | 5            | 10             |
| EF932              | Risk Management                                                    | 5            | 10             |
| CS978              | Legal, Ethical and Professional issues for the Information Society | 5            | 10             |
| EV939              | Environmental Impact Assessment                                    | 5            | 10             |
| SU904              | Knowledge systems for sustainability                               | 5            | 10             |

Modules, bringing taught credit total to 120 credits, to be chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------|--------------|----------------|
| AB931              | Design Studio                                      | 5            | 10             |
| AB935              | Urban Landscape Design                             | 5            | 10             |
| CS952              | Database & Web Systems Development                 | 5            | 20             |
| CS985              | Machine Learning for Data Analytics                | 5            | 20             |
| CS988              | Big Data Tools and Techniques                      | 5            | 10             |
| CS989              | Big Data Fundamentals                              | 5            | 10             |
| CS990              | Database Fundamentals                              | 5            | 10             |
| ME512              | Spaceflight Mechanics                              | 5            | 10             |
| ME517              | Spaceflight Systems                                | 5            | 10             |
| ME927              | Energy Resources and Policy                        | 5            | 10             |
| ME928              | Energy Systems and Analysis                        | 5            | 10             |
| ME930              | Energy Modelling and Monitoring                    | 5            | 10             |
| NM522/<br>NM969    | Renewable Marine Energy Systems                    | 5            | 10             |
| Z1931              | Entrepreneurship, Innovation and Commercialisation | 5            | 10             |
| Z1986              | New Venture Planning                               | 5            | 10             |

Exceptionally, such other Level 5 modules, totalling no more than 20 credits, as approved by the Programme Leader.

Postgraduate Diploma students only will be able to choose the following optional module:

| Module Code | Module Title                                            | Level | Credits |
|-------------|---------------------------------------------------------|-------|---------|
| ME973       | Mechanical and Aerospace Engineering PGDip Dissertation | 5     | 20      |

Not all optional modules in these lists will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the project where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Satellite Data for Sustainable Development, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project ME900.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Satellite Data for Sustainable Development, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Satellite Data for Sustainable Development, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### MARINE ENGINEERING WITH SPECIALISATION IN AUTONOMOUS MARINE VEHICLES

Master of Science in Marine Engineering with Specialisation in Autonomous Marine Vehicles

Postgraduate Diploma in Marine Engineering with Specialisation in Autonomous Marine Vehicles

Postgraduate Certificate in Marine Engineering with Specialisation in Autonomous Marine Vehicles

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as detailed below:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits, including NM964 MSc Group Project (40 credits)
  - iii. for the degree of MSc – no fewer than 180 credits, including NM965 Individual Project (60 credits)

#### Compulsory Modules

| Module Code | Module Title                                               | Level | Credits |
|-------------|------------------------------------------------------------|-------|---------|
| NM835       | Ship Operability and Control                               | 5     | 10      |
| DM954       | Intelligent Sensing and Reasoning through Machine Learning | 5     | 10      |
| EE992       | Neural Networks and Deep Learning                          | 5     | 10      |
| NM844       | Autonomous Marine Vehicles and Digital Twin                | 5     | 10      |
| NM916       | System Availability and Maintenance                        | 5     | 10      |
| NM951       | Marine Engineering Simulation and Modelling                | 5     | 10      |
| NM837       | Underwater Vehicles                                        | 5     | 10      |



**Students for the Postgraduate Diploma and degree of MSc only:**

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| NM964       | MSc Group Project | 5     | 40      |

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

**Optional Modules**

10 credits chosen from:

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| NM973       | Maritime Regulatory Framework                 | 5     | 10      |
| NM950       | Maritime Safety and Risk                      | 5     | 10      |
| NM845       | Shipping Economics and Market Sector Analysis | 5     | 10      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

Not all optional modules in this list will be available each academic year. Please refer to the Programme Handbook for confirmation of which optional modules will run.

**Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

**Award**

7. **Degree of MSc:** In order to qualify for the award of MSc in Marine Engineering with Specialisation in Autonomous Marine Vehicles, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which no fewer than 80 must be from the taught modules, 40 from the Group Project and 60 from the Individual Project.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Marine Engineering with Specialisation in Autonomous Marine Vehicles a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the MSc Group Project.

9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Marine Engineering with Specialisation in Autonomous Marine Vehicles a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### MARINE ENGINEERING

Master of Science in Marine Engineering  
Postgraduate Diploma in Marine Engineering  
Postgraduate Certificate in Marine Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as detailed below:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits, including NM964 Group Project
  - iii. for the degree of MSc no fewer than 180 credits, including NM965 Individual Project

#### Compulsory Modules

| Module Code | Module Title                                                | Level | Credits |
|-------------|-------------------------------------------------------------|-------|---------|
| NM845       | Shipping Economics and Market Sector Analysis               | 5     | 10      |
| NM950       | Maritime Safety and Risk                                    | 5     | 10      |
| NM951       | Marine Engineering Simulation and Modelling                 | 5     | 10      |
| NM952       | Advanced Marine Engineering                                 | 5     | 10      |
| NM980       | Onboard Energy Management and Marine Environment Protection | 5     | 10      |
| NM916       | Systems Availability and Maintenance                        | 5     | 10      |

**Students for the Postgraduate Diploma and degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |               |   |    |
|-------|---------------|---|----|
| NM964 | Group Project | 5 | 40 |
|-------|---------------|---|----|

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

### **Optional Modules**

20 credits chosen from:

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| EF931       | Project Management                          | 5     | 10      |
| EF932       | Risk Management                             | 5     | 10      |
| NM844       | Autonomous Marine Vehicles and Digital Twin | 5     | 10      |
| NM842       | Offshore Structural Integrity               | 5     | 10      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

Not all optional modules will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Marine Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which no fewer than 80 must be from the taught modules, 40 from the Group Project and 60 from the Individual Project NM965.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Marine Engineering a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the Group Project.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Marine Engineering a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### OFFSHORE ENERGY TRANSITION

Master of Science in Offshore Energy Transition  
Postgraduate Diploma in Offshore Energy Transition  
Postgraduate Certificate in Offshore Energy Transition

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).  
Students shall possess:
  - i. a first or second class Honours degree from a United Kingdom Higher Education Institute; or
  - ii. other qualifications deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above, or
  - iii. be deemed, by the Programme Director acting on behalf of the Senate, to have achieved an academic standard equivalent to (i) or (ii) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by part-time online study.

#### Curriculum

5. All students shall undertake an approved curriculum as detailed below.
  - i. for the degree of MSc – no fewer than 180 credits including the Individual Dissertation Project (NM965)
  - ii. for the Postgraduate Diploma – no fewer than 120 credits including the Individual Thesis Project (NMXXX)
  - iii. for the Postgraduate Certificate – no fewer than 60 credits from taught modules

#### Compulsory Modules

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| NMXXX       | Energy Transition Barriers and Readiness           | 5     | 10      |
| NMXXX       | Techno-Economics of Energy Systems and Integration | 5     | 10      |
| CL941       | Environmental Impact Assessment                    | 5     | 10      |
| NMXXX       | Health and Safety for Offshore Energy Systems      | 5     | 10      |

Students for the **Postgraduate Diploma** and degree of **MSc only**

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| NMxxx       | Individual Thesis Project | 5     | 40      |

Students for the degree of **MSc only**:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| NM965       | Individual Dissertation Project | 5     | 60      |

### **Optional Modules**

No fewer than 40 credits chosen from:

| Module Code | Module Title                                                                                | Level | Credits |
|-------------|---------------------------------------------------------------------------------------------|-------|---------|
| NMXXX       | Risk Management and Technology Qualification                                                | 5     | 10      |
| NMXXX       | Materials and Structures in Marine Environment                                              | 5     | 10      |
| NMXXX       | Offshore Wind Turbines Dynamics I: Environment Modelling and Wave Loading                   | 5     | 10      |
| NMXXX       | Offshore Wind Turbines Dynamics II: Aero-Hydro-Servo-Elastic Coupled Dynamics with OpenFast | 5     | 10      |
| EE818       | Data Analytics and AI for Energy Systems                                                    | 5     | 10      |
| EC960       | Energy Economics                                                                            | 5     | 10      |
| NM966       | Marine Pipelines                                                                            | 5     | 10      |
| NM960       | Finite Element Analysis of Floating Structures                                              | 5     | 10      |

Exceptionally, other modules, totalling no more than 20 credits, as approved by the Programme Director.

Not all optional modules on this list will be available in each academic year.

- Students who have previously completed any of the above modules as a part of another degree will be required to undertake an appropriate alternative module approved by the Programme Director.

### **Progress**

- The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
- The final award will be based on performance in the examinations, coursework and the Individual Thesis and Dissertation Projects.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Offshore Energy Transition, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 80 must be from the taught modules (including core and optional modules), 40 from the individual thesis project and 60 from the individual dissertation project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Offshore Energy Transition a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no

fewer than 80 must be from the taught modules (including core and optional modules) and 40 from the individual thesis project.

11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Offshore Energy Transition a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught (40 from core modules and 20 from optional modules) element of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### OFFSHORE FLOATING SYSTEMS

Master of Science in Offshore Floating Systems  
Postgraduate Diploma in Offshore Floating Systems  
Postgraduate Certificate in Offshore Floating Systems

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| NM842       | Offshore Structural Integrity                  | 5     | 10      |
| NM958       | Risers and Mooring Lines                       | 5     | 10      |
| NM959       | Dynamics of Floating Offshore Installations    | 5     | 10      |
| NM960       | Finite Element Analysis of Floating Structures | 5     | 10      |
| NM950       | Maritime Safety and Risk                       | 5     | 10      |
| NM961       | Design and Construction of FPSOs               | 5     | 10      |
| NM962       | Advanced Marine Structures                     | 5     | 10      |
| NM963       | Theory and Practice of Marine CFD              | 5     | 10      |

**Students for the Postgraduate Diploma and degree of MSc only will undertake:**

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| NM839       | Group Design Project | 5     | 40      |



**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

**Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
6. The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

**Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Offshore Floating Systems a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which no fewer than 80 must be from the taught modules, 40 from the Group Project and 60 from the Individual Project NM965.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Offshore Floating Systems a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the Group Project.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Offshore Floating Systems a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### OFFSHORE WIND ENERGY

Master of Science in Offshore Wind Energy  
Postgraduate Diploma in Offshore Wind Energy  
Postgraduate Certificate in Offshore Wind Energy

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as detailed below.
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits, including the Compulsory Modules, together with NM839 Group Design Project (40 credits)
  - iii. for the degree of MSc – no fewer than 180 credits, including the Individual Project (60 credits)

#### Compulsory Modules

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| NM841       | Offshore Wind Turbines Dynamics Modelling | 5     | 20      |
| NM842       | Offshore Structural Integrity             | 5     | 10      |
| NM843       | Risk and Reliability Engineering          | 5     | 10      |
| EE989       | Wind Turbine Technology                   | 5     | 20      |
| EE821       | Wind Generators Modelling and Control     | 5     | 10      |
| EE820       | Offshore Wind Farm O&M and Economics      | 5     | 10      |

Students for the **Postgraduate Diploma** and degree of **MSc only**

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| NM839       | Group Design Project | 5     | 40      |

Students for the degree of **MSc only**:

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

5. Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Director. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Director.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Offshore Wind Energy, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 80 must be from the taught modules, 40 from the Group Design Project and 60 from the Individual Project.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Offshore Wind Energy a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the Group Design Project.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Offshore Wind Energy a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### SHIP AND OFFSHORE STRUCTURES

Master of Science in Ship and Offshore Structures  
Postgraduate Diploma in Ship and Offshore Structures  
Postgraduate Certificate in Ship and Offshore Structures

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits including a group project
  - iii. for the degree of MSc no fewer than 180 credits including an individual project

#### Compulsory Modules

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| NM963       | Theory and Practice of Marine CFD                  | 5     | 10      |
| NMxx        | Dynamics of Fixed and Floating Offshore Structures | 5     | 10      |
| NM962       | Advanced Marine Structures                         | 5     | 10      |
| NM960       | Finite Element Analysis of Floating Structures     | 5     | 10      |
| NM961       | Design and Construction of FPSOs                   | 5     | 10      |
| NM842       | Offshore Structural Integrity                      | 5     | 10      |
| NM916       | System Availability and Maintenance                | 5     | 10      |

**Students for the Postgraduate Diploma and degree of MSc only:**

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| NM839       | Group Design Project | 5     | 40      |

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

**Optional Modules**

10 credits chosen from:

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| NM843       | Risk and Reliability Engineering | 5     | 10      |
| NM969       | Renewable Marine Energy Systems  | 5     | 10      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

Not all optional modules will necessarily be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

**Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
6. The final award will be based on performance in the examinations, coursework, and the Individual Project where undertaken.

**Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Ship and Offshore Structures a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Individual Project NM965.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Ship and Offshore Structures, a candidate must have accumulated no fewer than 120 credits of which 40 must have been awarded in respect of the Group Project.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Ship and Offshore Structures, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### SHIP AND OFFSHORE TECHNOLOGY

Postgraduate Diploma in Ship and Offshore Technology

Postgraduate Certificate in Ship and Offshore Technology

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Students will have been admitted in the first instance to the degree of MSc in Ship and Offshore Technology.

#### Nature of Study

2. The programme is available by full-time study only.

#### Curriculum

3. See Regulation 8, First Year Curriculum, Master of Science in Ship and Offshore Technology.

#### Examination, Progress and Final Assessment

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
5. The final award will be based on performance in the examinations and coursework.

#### Award

6. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Ship and Offshore Technology, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Ship and Offshore Technology, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### SHIP AND OFFSHORE TECHNOLOGY

#### Master of Science in Ship and Offshore Technology

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

*ECTS = European Credit Transfer System*

*SCQF = Scottish Credit and Qualification Framework*

1. The programme is offered jointly between the University of Strathclyde and Hamburg University of Technology, and the awards are made in the name of the two Universities. Students shall be subject to the programme regulations that have been adopted by both Universities and to any other General Regulations, etc. of the University at which they are studying.

#### Admission

2. Candidates will be admitted in the first instance to the MSc, and shall normally possess a bachelors degree or equivalent, at the equivalent of 2nd upper class level, in a marine or marine-related engineering subject.
3. In particular, candidates shall have sufficient knowledge on structural mechanics, hydrostatics, fluid dynamics, ship resistance and propulsion, ship design, etc.
4. Candidates shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

5. The normal duration of study for the degree of MSc by full-time study will be 2 years (4 semesters).

#### Place of Study

6. The programme will be taught at the University of Strathclyde in the first year, and Hamburg University of Technology for the second year.

#### Mode of Study

7. The programme is available by full-time study only.

#### Curriculum

8. **First Year** - All students shall spend the first year at the University of Strathclyde and undertake modules amounting to no fewer than 120 credits (60 ECTS, European Credit Transfer System) as follows:

#### Compulsory Modules

| Module Code | Module Title                     | Level | Credits (UoS/ECTS) |
|-------------|----------------------------------|-------|--------------------|
| NM843       | Risk and Reliability Engineering | 5     | 10/5               |
| NM966       | Marine Pipelines                 | 5     | 10/5               |

|       |                                                         |   |       |
|-------|---------------------------------------------------------|---|-------|
| NMxxx | Dynamics of Fixed and Floating Offshore Structures      | 5 | 10/5  |
| NM950 | Maritime Safety and Risk                                | 5 | 10/5  |
| NM960 | Finite Element Analysis of Floating Structures          | 5 | 10/5  |
| NM961 | Design and Construction of FPSOs                        | 5 | 10/5  |
| NM963 | Theory and Practice of Marine CFD                       | 5 | 10/5  |
| NM842 | Offshore Structural Integrity                           | 5 | 10/5  |
| NM983 | MSc Group Project – NAME (Ship and Offshore Technology) | 5 | 20/10 |
| NM982 | Research Project – Ship and Offshore Technology         | 5 | 20/10 |

Students may be permitted to substitute one approved module from other postgraduate modules offered, including modern languages, subject to approval by the Programme Leader at University of Strathclyde or the Examination Board at Hamburg University of Technology.

### **Optional Modules**

Between First and Second Year, (optional, no credits): Intensive German language course.

9. **Second Year** - Students shall spend their second year at Hamburg University of Technology and undertake modules amounting to no fewer than 60 ECTS (120 credits) as follows:

### **Compulsory Modules**

| Module Code | Module Title                                       | Level | Credits (UoS/ECTS) |
|-------------|----------------------------------------------------|-------|--------------------|
| NM811       | Structural Analysis of Ships & Offshore Structures | 5     | 12/6               |
| NM810       | Ship Design                                        | 5     | 12/6               |
| NM815       | Ship Vibration                                     | 5     | 12/6               |
| NM989       | Master Thesis                                      | 5     | 60/30              |

### **Optional Modules**

No fewer than 24 credits (12 ECTS) chosen from:

| Module Code | Module Title                                      | Level | Credits (UoS/ECTS) |
|-------------|---------------------------------------------------|-------|--------------------|
| NM809       | Nonlinear Structural Analysis                     | 5     | 12/6               |
| NM812       | Fatigue Strength of Ships and Offshore Structures | 5     | 12/6               |



|       |                                                           |   |      |
|-------|-----------------------------------------------------------|---|------|
| NM808 | Innovative CFD Approaches                                 | 5 | 12/6 |
| NM807 | Arctic Technology                                         | 5 | 12/6 |
| NM813 | Manoeuvrability and Shallow Water Ship Hydrodynamics      | 5 | 12/6 |
| NM814 | Sea-keeping of Ships and Laboratory On Naval Architecture | 5 | 12/6 |

With the approval of the Programme Leader, students may be permitted to substitute one approved module from other postgraduate programmes offered.

### **Examination, Progress and Final Assessment**

10. For the degree award of MSc, candidates are required to pass all module examinations and to perform to the satisfaction of the Board of Examiners in the coursework and in the Master Thesis.
11. In order to progress to the second year of the programme, a student must normally have accumulated no fewer than 120 credits from the agreed curriculum in the first year.
12. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted at least one further attempt to pass the relevant module(s) at the earliest opportunity and no longer than two years after the initial attempt, the number of attempts permitted depending on the regulations at the University of Strathclyde or Hamburg University of Technology, respectively.
13. The final assessment and degree award will be based on the results of the first attempt in the examinations, coursework and the Master Thesis. The results of resits are used for accumulation of credits only.

### **Award**

14. **Degree of MSc:** In order to qualify for the award of the joint degree of MSc in Ship and Offshore Technology, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 SCQF credits (60 ECTS) at the University of Strathclyde and 60 ECTS (120 SCQF credits) at the University of Hamburg, of which 30 ECTS (60 SCQF credits) must have been awarded in respect the Master thesis NM 989.

### **Transfer**

15. Students who do not perform at MSc level may be considered for a Postgraduate Diploma or a Postgraduate Certificate in Ship and Offshore Technology, to be awarded by the University of Strathclyde only.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### SUBSEA AND PIPELINE ENGINEERING

Master of Science in Subsea and Pipeline Engineering  
Postgraduate Diploma in Subsea and Pipeline Engineering  
Postgraduate Certificate in Subsea and Pipeline Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| NM950       | Maritime Safety and Risk                           | 5     | 10      |
| NM961       | Design and Construction of FPSOs                   | 5     | 10      |
| NM960       | Finite Element Analysis of Floating Structures     | 5     | 10      |
| NM966       | Marine Pipelines                                   | 5     | 10      |
| CP527       | Petroleum Engineering                              | 5     | 10      |
| NM801       | Marine Pipeline Integrity                          | 5     | 10      |
| NMxxx       | Dynamics of Fixed and Floating Offshore Structures | 5     | 10      |
| NM837       | Underwater Vehicles                                | 5     | 10      |

**Students for the Postgraduate Diploma and degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                      |   |    |
|-------|----------------------|---|----|
| NM839 | Group Design Project | 5 | 40 |
|-------|----------------------|---|----|

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

**Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Subsea and Pipeline Engineering a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which no fewer than 80 must be from the taught modules, 40 from the Group Project and 60 from the Individual Project NM965.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Subsea and Pipeline Engineering a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the Group Project.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Subsea and Pipeline Engineering a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### TECHNICAL SHIP MANAGEMENT

Master of Science in Technical Ship Management  
Postgraduate Diploma in Technical Ship Management  
Postgraduate Certificate in Technical Ship Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In the first instance, students shall normally be admitted to either the Postgraduate Diploma or MSc programme.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits including NM839 group design project
  - iii. for the degree of MSc no fewer than 180 credits including NM965 individual project

#### Compulsory Modules

| Module Code | Module Title                                                | Level | Credits |
|-------------|-------------------------------------------------------------|-------|---------|
| NM845       | Shipping Economics and Market Sector Analysis               | 5     | 10      |
| NM973       | Maritime Regulatory Framework                               | 5     | 10      |
| NM916       | Systems Availability and Maintenance                        | 5     | 10      |
| NM980       | Onboard Energy Management and Marine Environment Protection | 5     | 10      |
| EF931       | Project Management                                          | 5     | 10      |
| NM950       | Maritime Safety and Risk                                    | 5     | 10      |

**Students for the Postgraduate Diploma and degree of MSc only:**

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| NM964       | Group Design Project | 5     | 40      |

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

**Optional Modules**

No fewer than 20 credits chosen from:

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| NM838       | Ship Powering in Service                    | 5     | 10      |
| NM844       | Autonomous Marine Vehicles and Digital Twin | 5     | 10      |
| EF929       | Financial Engineering                       | 5     | 10      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

**Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

**Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Technical Ship Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must be from the Group Design Project and 60 from the Individual Project NM965.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Technical Ship Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 taught credits, of which 40 must be from the Group Design Project.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Technical Ship Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## CENTRE FOR LIFELONG LEARNING

### GENEALOGICAL, PALAEOGRAPHIC AND HERALDIC STUDIES

**Master of Science in Genealogical, Palaeographic and Heraldic Studies**  
**Postgraduate Diploma in Genealogical, Palaeographic and Heraldic Studies**  
**Postgraduate Certificate in Genealogical, Palaeographic and Heraldic Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), and subject to approval by the Programme Director it may be possible for students to gain Recognition of Prior Learning (RPL) up to a maximum of 60 credits.

#### Duration of Study

3. For students undertaking the full-time MSc programme (180 credits), the minimum period of study will be 18 months and the maximum period of study will be 36 months from the date of registration.
4. For students undertaking either the PG Certificate or the PG Diploma modular part-time programme, the following durations will apply:

Postgraduate Certificate – minimum 24 months / maximum 48 months

Postgraduate Diploma – minimum 18 months / maximum 48 months

#### Place of Study

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

6. Distance learning, see [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Curriculum

7. All students shall undertake an approved curriculum as follows:

**Students for the Postgraduate Certificate will undertake:**

#### Compulsory Modules

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| LL927       | Professional Practice and Methodologies 1    | 5     | 10      |
| LL945       | Repositories, Geography and Administration 1 | 5     | 10      |
| LL943       | Civil and Church Records 1                   | 5     | 10      |

|       |                                               |   |    |
|-------|-----------------------------------------------|---|----|
| LL915 | Family History Studies and Overseas Records 1 | 5 | 10 |
| LL944 | Property, Law and Inheritance 1               | 5 | 10 |
| LL942 | Heraldry and Latin 1                          | 5 | 10 |

**Students for the Postgraduate Diploma and degree of MSc, in addition, will undertake:**

**Compulsory Modules**

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| LL914       | Methods of Professional Enquiry and Project 2  | 5     | 20      |
| LL925       | Genealogy, Heraldry and Social History 2       | 5     | 20      |
| LL946       | Documents, Palaeography and Research Studies 2 | 5     | 20      |

**Students for the degree of MSc only**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| LL953       | Professional Enquiry and Development | 5     | 60      |

**Examination, Progress and Final Assessment**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
9. The final award will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

**Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Genealogical, Palaeographic and Heraldic Studies a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect LL953 Professional Enquiry and Development.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Genealogical, Palaeographic and Heraldic Studies a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## CENTRE FOR LIFELONG LEARNING

### SAFETY AND RISK MANAGEMENT LEADERSHIP

#### Postgraduate Certificate in Safety and Risk Management Leadership

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)
2. Progress to the next level of study is normally dependent on performance (see [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)).

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

5. The programme is available by part-time study only.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

For the Post Graduate Certificate in Safety and Risk Management Leadership all modules below are compulsory and should be taken in the order listed below.

| Module Code | Module Title                                                         | Level | Credits |
|-------------|----------------------------------------------------------------------|-------|---------|
| LL931       | Safety and Risk Management – An Introduction and Key Concepts        | 5     | 5       |
| LL934       | Legislation and Safety Policy – International and Local Perspective  | 5     | 5       |
| LL940       | Accident and Incident Investigation                                  | 5     | 5       |
| LL938       | Safety Culture, Behaviour and Human Factors                          | 5     | 5       |
| LL941       | Risk Assessment Methodologies                                        | 5     | 5       |
| LL933       | Task Based Risk Assessment, Management and Control                   | 5     | 5       |
| LL932       | Process Safety and High Risk Environments                            | 5     | 5       |
| LL930       | Emergency Planning, Public Safety and Working with External Agencies | 5     | 5       |



|       |                                            |   |   |
|-------|--------------------------------------------|---|---|
| LL939 | Occupational Exposure and Health Hazards   | 5 | 5 |
| LL937 | Risk Management in Various Situations      | 5 | 5 |
| LL936 | Corporate Risk Management and Safety Audit | 5 | 5 |
| LL935 | Safety and Risk Management Case Study      | 5 | 5 |

\* Note: Individual modules can be taken as part of Continuing Professional Development (CPD) for (i) Safety Related Professionals and (ii) Managers and Leaders.

### **Examination, Progress and Final Assessment**

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

### **Award**

8. **Postgraduate Certificate** in Safety and Risk Management Leadership. In order to qualify for the award of the Postgraduate Certificate in Safety and Risk Management a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## CENTRE FOR LIFELONG LEARNING

### MSC IN SAFETY AND RISK MANAGEMENT

Master in Safety and Risk Management

Postgraduate Diploma in Safety and Risk Management

Postgraduate Certificate in Safety and Risk Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), it may be possible for students to gain Recognition of Prior Learning (RPL) of up to 50%.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

5. The programme is available by part-time study only.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

**Students for the degree of Postgraduate Certificate will undertake the following:**

#### Compulsory Modules

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| LL948       | Benchmarking Safety and Risk Management Activities | 5     | 20      |
| LL947       | Assessing Hazards, Risks and Dangers               | 5     | 20      |
| LL952       | Optimising Safety and Risk Management Activities   | 5     | 20      |

**Students for the degree of MSc and the Postgraduate Diploma in addition will undertake the following:**

#### Compulsory Modules

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| LL949       | Corporate Risk Management | 5     | 20      |

|       |                                      |   |    |
|-------|--------------------------------------|---|----|
| LL954 | Psychology of Workplace Activities   | 5 | 20 |
| LL950 | Ergonomic Factors in Work Activities | 5 | 10 |
| LL951 | Methods of Professional Enquiry      | 5 | 10 |

#### Students for the degree of MSc only

| Module Code | Module Title     | Level | Credits |
|-------------|------------------|-------|---------|
| LL916       | Research Project | 5     | 60      |

#### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. Where relevant, progress to the Postgraduate Diploma is dependent upon completion of the Postgraduate Certificate to the satisfaction of the Board of Examiners and progress to the MSc is dependent upon completion of the Postgraduate Diploma to the satisfaction of the Board of Examiners.
9. The final award will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### Award

10. **MSc:** In order to qualify for the award of the degree of MSc in Safety and Risk Management a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the research project LL916.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Safety and Risk Management a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Safety and Risk Management a candidate must have accumulated no fewer than 60 credits from the compulsory modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATCLYDE INSTITUTE OF EDUCATION

### APPLIED EDUCATIONAL AND SOCIAL RESEARCH

**Master of Science in Applied Educational and Social Research**  
**Postgraduate Diploma in Applied Education and Social Research**  
**Postgraduate Certificate in Applied Education and Social Research**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all successful applicants will normally be required to have had at least two years of appropriate, post-qualifying professional experience. Applicants will normally be registered initially for the lowest level of qualification offered in the specific programme. Progress to the next level of study is normally dependent on performance (see Regulation 9 below).

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Place of Study**

4. Per the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the MSc and Postgraduate Diploma in Applied Educational & Social Research includes on campus face to face study (full-time option) and off-campus distance learning work for the part-time option.

#### **Mode of Study**

5. The programme in Applied Educational & Social Research is delivered in mixed-mode with full-time face to face study and part-time distance learning study.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation
7. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| X7805       | Educational Research and Enquiry          | 5     | 20      |
| X7806       | Design Strategies in Educational Research | 5     | 20      |
| X7807       | Data Collection in Educational Research   | 5     | 20      |

**Students for the degree of MSc and Postgraduate Diploma in addition will undertake:**

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| X7808       | Data Analysis in Educational Research                    | 5     | 40      |
| And either  |                                                          |       |         |
| X7809       | Advanced Quantitative Research Design and Data Analysis. | 5     | 20      |
| Or          |                                                          |       |         |
| X7810       | Advanced Qualitative Research Design and Data Analysis   | 5     | 20      |

**Students for the degree of MSc only**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| X7819       | Dissertation | 5     | 60      |

### **Examination, Progress and Final Assessment**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. Where relevant, progress to the Postgraduate Diploma is dependent upon completion of the Postgraduate Certificate to the satisfaction of the Board of Examiners and progress to the MSc is dependent upon completion of the Postgraduate Diploma to the satisfaction of the Board of Examiners.
10. Candidates will be permitted a maximum of 2 attempts at each assessment. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

11. **Degree of MSc in Applied Educational & Social Research:** In order to qualify for the award of the degree of MSc in Applied Educational & Social Research the candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of either the dissertation X7819 or the research projects X7808 and X7809 or X7810.
12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Educational & Social Research a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applied Education and Social Research a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# **FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

## **STRATHCLYDE INSTITUTE OF EDUCATION**

### **AUTISM**

### **CHILDREN AND YOUNG PEOPLE'S LITERACY, LANGUAGE & LITERATURE**

### **EARLY YEARS PEDAGOGUE**

### **EDUCATION STUDIES**

### **INCLUSIVE EDUCATION**

### **EDUCATIONAL LEADERSHIP**

### **PROFESSIONAL PRACTICE**

### **SPECIALIST QUALIFICATION FOR HEADSHIP (INTO HEADSHIP)**

### **PHILOSOPHY WITH CHILDREN**

### **SUPPORTING BILINGUAL LEARNERS IN THE MAINSTREAM CLASSROOM**

### **SUPPORTING TEACHER LEARNING**

### **THE CREATIVE CHILD & THE CREATIVE PRACTITIONER**

### **HEALTH, WELLBEING AND SUSTAINABILITY**

Master of Education in Autism

Master of Science in Autism

Postgraduate Diploma in Autism

Postgraduate Certificate in Autism

Master of Education in Children and Young People's Literacy, Language & Literature

Postgraduate Diploma in Children and Young People's Literacy, Language & Literature

Postgraduate Certificate in Children and Young People's Literacy, Language & Literature

Master of Education in Early Years Pedagogue

Postgraduate Diploma in Early Years Pedagogue

Postgraduate Certificate in Early Years Pedagogue

Master of Education in Education Studies

Master of Science in Education Studies

Master of Science in Education Studies (Blended Learning)

Postgraduate Diploma in Education Studies

Postgraduate Certificate in Education Studies

Master of Education in Inclusive Education

Postgraduate Diploma in Inclusive Education

Postgraduate Certificate in Inclusive Education

Master of Education in Educational Leadership

Master of Science in Educational Leadership

Postgraduate Diploma in Educational Leadership

Postgraduate Certificate in Educational Leadership

Master of Education in Professional Practice

Postgraduate Diploma in Professional Practice

Postgraduate Certificate in Professional Practice

Postgraduate Certificate 'Specialist Qualification for Headship' (Into Headship)

Postgraduate Certificate in Philosophy with Children

Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

Postgraduate Certificate in Supporting Teacher Learning

**Postgraduate Certificate in The Creative Child & The Creative Practitioner**  
**Postgraduate Certificate in Health, Wellbeing and Sustainability**  
**Postgraduate Certificate in Technology Enhanced Teaching and Learning (Digital Education)**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

**Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)) applicants for Postgraduate Taught Programmes shall:
  - i. be working in an appropriate professional context, and
  - ii. have suitable access to an appropriate professional context or
  - iii. relevant experience upon which to draw.
3. Applicants will normally be registered for the highest qualification offered in the specific programme. Progress to the next level of study is normally dependent on performance.
4. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)), it may be possible for students to gain Accreditation of Prior Learning (APL) of up to 67% on admission to the Master's degree. Entry to the final 60 credits will only occur if the candidate can demonstrate appropriate research methods knowledge, usually gained through the award of a module of 20 credits or more at Level 5.

**Duration of Study**

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

**Place of Study**

6. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)), all PGT programmes make use of distance learning and blended learning as well as on campus delivery as appropriate.

**Mode of Study**

7. All programmes are available on a part-time and/or distance learning basis only with the exception of:
  - i. MSc in Autism
  - ii. MSc in Education Studies
  - iii. MSc in Education Studies (Blended Learning)
  - iv. MSc in Educational Leadership

**Curriculum**

8. All students shall undertake modules, subject to the approval of the Programme Leader, within one of the following pathways:
  - i. For the Postgraduate Certificate no fewer than 60 credits
  - ii. For the Postgraduate Diploma no fewer than 120 credits
  - iii. For the degree of MEd or MSc no fewer than 180 credits including a 60 credit dissertation or work-based study

## Master of Education in Autism

### Postgraduate Diploma in Autism

### Postgraduate Certificate in Autism

All students for the Postgraduate Certificate shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code            | Module Title                                              | Level | Credits |
|------------------------|-----------------------------------------------------------|-------|---------|
| X9808                  | Theory and Practice 1: Conceptual Frameworks in Autism    | 5     | 20      |
| X7798                  | Theory and Practice 2: The Spectrum of Autism             | 5     | 20      |
| X7799                  | Theory and Practice 3: Responding to the Impact of Autism | 5     | 20      |
| Or (distance learning) |                                                           |       |         |
| X3944                  | Theory and Practice 1: Conceptual Frameworks in Autism    | 5     | 20      |
| X3 945                 | Theory and Practice 2: The Spectrum of Autism             | 5     | 20      |
| X3 946                 | Theory and Practice 3: Responding to the Impact of Autism | 5     | 20      |

#### Optional Modules

No fewer than 60 credits chosen from:

| Module Code                                                 | Module Title                                     | Level | Credits |
|-------------------------------------------------------------|--------------------------------------------------|-------|---------|
| X3833*                                                      | Research Methodologies and Reasoning             | 5     | 20      |
| X3954                                                       | Multi-professional Work and Family Support       | 5     | 20      |
| X3964                                                       | Autism In Schooling: The Autism Toolbox          | 5     | 20      |
| X3927                                                       | Independent Study Module                         | 5     | 20      |
| X2925                                                       | Autism and Related Conditions: Campus            | 5     | 20      |
| Or (distance learning) No fewer than 60 credits chosen from |                                                  |       |         |
| X3833*                                                      | Research Methodologies and Reasoning             | 5     | 20      |
| X2902                                                       | Multi-professional Work and Family Support       | 5     | 20      |
| X2903                                                       | Autism In Schooling: The Autism Toolbox          | 5     | 20      |
| X3927                                                       | Independent Study Module                         | 5     | 20      |
| X2924                                                       | Autism and Related Conditions: Distance Learning | 5     | 20      |



\*Compulsory for those undertaking X3815 Dissertation

**Students for the degree of MEd/ only**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| X3815              | Dissertation        | 5            | 60             |

**Master of Science in Autism**  
**Postgraduate Diploma in Autism**  
**Postgraduate Certificate in Autism**

**Compulsory Modules**

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| X9808       | Theory and Practice 1: Conceptual Frameworks in Autism    | 5     | 20      |
| X7798       | Theory and Practice 2: The Spectrum of Autism             | 5     | 20      |
| X7799       | Theory and Practice 3: Responding to the Impact of Autism | 5     | 20      |
| X2923       | Autism Placement & Practice Module: Campus                | 5     | 20      |

**Optional Modules**

No fewer than 40 credits chosen from:

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| X3833*      | Research Methodologies and Reasoning       | 5     | 20      |
| X3954       | Multi-professional Work and Family Support | 5     | 20      |
| X3964       | Autism In Schooling: The Autism Toolbox    | 5     | 20      |
| X3927       | Independent Study Module                   | 5     | 20      |
| X2925       | Autism and Related Conditions: Campus      | 5     | 20      |

\*Compulsory for those undertaking X3815 Dissertation

**Students for the degree of MSc only**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| X3815       | Dissertation | 5     | 60      |

**Master of Education in Children and Young People's Literacy, Language & Literature**  
**Postgraduate Diploma in Children and Young People's Literacy, Language & Literature**  
**Postgraduate Certificate in Children and Young People's Literacy, Language & Literature**

Students registering for a **Postgraduate Certificate** shall undertake an approved curriculum as follows:

No less than 60 credits from:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                                                     |   |    |
|-------|---------------------------------------------------------------------|---|----|
| X3986 | Environments for Learning Literacy, Language and Literature         | 5 | 20 |
| X3971 | Literacy for Subject Disciplines in Schools                         | 5 | 20 |
| X3988 | Children's Literature and Literary Theory                           | 5 | 20 |
| X3990 | Creativity, Literacies and Emotional Social Development             | 5 | 20 |
| X3970 | Interactions Between Language and Literacy Development in Childhood | 5 | 20 |
| X3956 | Digital Literacies                                                  | 5 | 20 |
| X3801 | Supporting Literacy Development                                     | 5 | 20 |

Students for the degree of **Postgraduate Diploma** will undertake no less than 100 credits from the modules listed above and

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| X3833       | Research Methodologies and Reasoning | 5     | 20      |

Students for the degree of **MEd**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| X3815       | Dissertation | 5     | 60      |

**Master of Education in Early Years Pedagogue**  
**Postgraduate Diploma in Early Years Pedagogue**  
**Postgraduate Certificate in Early Years Pedagogue**

All students for the **Postgraduate Certificate** shall undertake an approved curriculum as follows:

**Compulsory Modules**

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| X7789       | Taking Action: Child, Family and Community Efficacy       | 5     | 20      |
| X9802       | Listening to Children and Hearing Their Voices            | 5     | 20      |
| X9854       | Creating Stimulating Learning Environments Inside and Out | 5     | 20      |

Students for the degree of **MEd and Postgraduate Diploma** in addition will undertake:

| Module Code | Module Title                | Level | Credits |
|-------------|-----------------------------|-------|---------|
| X9876       | The Connected Child         | 5     | 20      |
| X7797       | Leading in a Time of Change | 5     | 20      |

And no fewer than 20 credits from:

| Module Code | Module Title                                                       | Level | Credits |
|-------------|--------------------------------------------------------------------|-------|---------|
| X9644       | Child-Centred & Child- Focused Approaches To Practitioner Research | 5     | 20      |
| X3833       | Research Methodologies and Reasoning                               | 5     | 20      |

Students for the degree of **MEd** only

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| X3815       | Dissertation | 5     | 60      |

**Master of Education in Education Studies**  
**Master of Science in Education Studies**  
**Master of Science in Education Studies (Blended Learning)**  
**Postgraduate Diploma in Education Studies**  
**Postgraduate Certificate in Education Studies**

All students for the **MSc Education Studies** shall undertake an approved curriculum as follows:

**Compulsory Modules**

| Module Code | Module Title                                | Level | Credit |
|-------------|---------------------------------------------|-------|--------|
| X3815       | Dissertation                                | 5     | 60     |
| And         |                                             |       |        |
| X3839       | Thinking about Education                    | 5     | 20     |
| Or          |                                             |       |        |
| X2908       | Thinking about Education                    | 5     | 20     |
| And         |                                             |       |        |
| X3833       | Research Methodologies and Reasoning        | 5     | 20     |
| Or          |                                             |       |        |
| X2912       | Research Methodologies and Reasoning        | 5     | 20     |
| And         |                                             |       |        |
| X3952       | Frameworks for Understanding Learning       | 5     | 20     |
| Or          |                                             |       |        |
| X2911       | Frameworks for Understanding Learning       | 5     | 20     |
| And         |                                             |       |        |
| X9647       | Globalisation, Society and Education Policy | 5     | 20     |
| Or          |                                             |       |        |
| X2909       | Globalisation, Society and Education Policy | 5     | 20     |

**Optional Modules**

No fewer than 40 credits as approved by the programme director.

All students for the **MEd Education Studies** and **MSc Education Studies (Blended Learning)** shall undertake an approved curriculum as follows:

**Compulsory Modules**

| Module Code | Module Title                         | Level | Credit |
|-------------|--------------------------------------|-------|--------|
| X3815       | Dissertation                         | 5     | 60     |
| X3833       | Research Methodologies and Reasoning | 5     | 20     |

### **Optional Modules**

No fewer than 100 credits as approved by the programme director.

**Master of Education in Inclusive Education**  
**Postgraduate Diploma in Inclusive Education**  
**Postgraduate Certificate in Inclusive Education**

All students for the **Postgraduate Certificate** shall undertake an approved curriculum as follows:

**Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                     | <b>Level</b> | <b>Credit</b> |
|--------------------|-----------------------------------------|--------------|---------------|
| X9743              | Understanding Inclusive Education 1     | 5            | 20            |
| X9744              | Providing Effective Educational Support | 5            | 20            |
| X9701              | Inclusive Pedagogy                      | 5            | 20            |

Students for the degree of **MEd and Postgraduate Diploma** in addition will undertake:

**Optional Modules**

No fewer than 60 credits as approved by the programme director.

Students for the degree of **MEd only**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credit</b> |
|--------------------|---------------------|--------------|---------------|
| X3815              | Dissertation        | 5            | 60            |

**Master of Education in Educational Leadership**  
**Master of Science in Educational Leadership**  
**Postgraduate Diploma in Educational Leadership**  
**Postgraduate Certificate in Educational Leadership**

All students for the **Postgraduate Certificate** shall undertake an approved curriculum as follows:

**Compulsory Modules**

| Module Code            | Module Title                                                   | Level | Credit |
|------------------------|----------------------------------------------------------------|-------|--------|
| X3820                  | Leadership for equity, inclusion and social justice            | 5     | 20     |
| X3830                  | Leadership for learning                                        | 5     | 20     |
| X3832                  | Conceptions of leadership                                      | 5     | 20     |
| Or (distance learning) |                                                                |       |        |
| X3826                  | Leadership for Equity, Inclusion and Social Justice (Distance) | 5     | 20     |
| X3827                  | Leadership for learning (Distance)                             | 5     | 20     |
| X3818                  | Conceptions of leadership (Distance)                           | 5     | 20     |

Students for the degree of **MSc/MEd and Postgraduate Diploma** in addition will undertake:

**Compulsory Modules**

| Module Code | Module Title                          | Level | Credit |
|-------------|---------------------------------------|-------|--------|
| X3822       | Contexts for Leadership               | 5     | 20     |
| X3821       | Leadership for School Improvement     | 5     | 20     |
| X3833       | Research Methodologies and Reasoning* | 5     | 20     |

**Or (distance learning)**

**Compulsory Modules**

| Module Code | Module Title                                 | Level | Credit |
|-------------|----------------------------------------------|-------|--------|
| X3819       | Contexts for Leadership (Distance)           | 5     | 20     |
| X3825       | Leadership for School Improvement (Distance) | 5     | 20     |
| X3833       | Research Methodologies and Reasoning         | 5     | 20     |
| X3828       | Strategic Leadership                         | 5     | 20     |



Students for the degree of **MEd only**

| <b>Module Code</b>     | <b>Module Title</b>             | <b>Level</b> | <b>Credit</b> |
|------------------------|---------------------------------|--------------|---------------|
| X3815                  | Dissertation*                   | 5            | 60            |
| Or                     |                                 |              |               |
| X3823                  | Strategic Leadership            | 5            | 20            |
| X3831                  | Work based Project              | 5            | 40            |
| Or (distance learning) |                                 |              |               |
| X3815                  | Dissertation                    | 5            | 60            |
| Or                     |                                 |              |               |
| X3828                  | Strategic Leadership (Distance) | 5            | 20            |
| X3824                  | Work based Project (Distance)   | 5            | 40            |

\* Compulsory for students on the full-time **MSc Educational Leadership** programme.

Subject to approval by the programme director and compliance with Regulation 4 above, MEd students who have completed a suitable postgraduate diploma or equivalent, may be offered an alternative to X3815 as follows:

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credit</b> |
|--------------------|---------------------|--------------|---------------|
| X3923              | Dissertation        | 5            | 40            |

**Master of Education in Professional Practice**  
**Postgraduate Diploma in Professional Practice**  
**Postgraduate Certificate in Professional Practice**

All students for the **Postgraduate Certificate** shall undertake an approved curriculum as follows:

**Optional modules**

No fewer than 60 credits as approved by the programme director.

Students for the degree of **MEd and Postgraduate Diploma** in addition will undertake no fewer than 60 credits as approved by the programme director.

Students for the degree of **MEd only**

| Module Code | Module Title                         | Level | Credit |
|-------------|--------------------------------------|-------|--------|
| X3815       | Dissertation                         | 5     | 60     |
| X3833       | Research Methodologies and Reasoning | 5     | 20     |

**Postgraduate Certificate ‘Specialist Qualification for Headship’ (Into Headship)**

All students shall undertake an approved curriculum as follows:

**Compulsory Modules**

| Module Code | Module Title    | Level | Credit |
|-------------|-----------------|-------|--------|
| X3993       | Into Headship 1 | 5     | 20     |
| X3994       | Into Headship 2 | 5     | 40     |

**Postgraduate Certificate in Philosophy with Children**

All students shall undertake an approved curriculum as follows:

**Compulsory Modules**

| Module Code | Module Title                                          | Level | Credit |
|-------------|-------------------------------------------------------|-------|--------|
| X3902       | Introduction to Philosophy and Philosophical Practice | 5     | 20     |
| X3901       | Philosophy with Children: Theory                      | 5     | 20     |
| X3903       | Philosophy with Children: Facilitation                | 5     | 20     |

**Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom**

All students shall undertake an approved curriculum as follows:

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                                  | <b>Level</b> | <b>Credit</b> |
|--------------------|------------------------------------------------------|--------------|---------------|
| X3941              | Theory and Practice in Supporting Bilingual Learners | 5            | 20            |
| X3942              | Policy and Practice in Supporting Bilingual Learners | 5            | 20            |
| X3943              | Action Research to Support Bilingual Learners        | 5            | 20            |

### **Postgraduate Certificate in Supporting Teacher Learning**

All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                                           | <b>Level</b> | <b>Credit</b> |
|--------------------|---------------------------------------------------------------|--------------|---------------|
| X9797              | How Teachers Learn                                            | 5            | 20            |
| X9798              | Contemporary Contexts for Teacher Learning and Teachers' Work | 5            | 20            |
| X9799              | Supporting Professional Learning in the Workplace             | 5            | 20            |

### **Postgraduate Certificate in The Creative Child & The Creative Practitioner**

All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                                                     | <b>Level</b> | <b>Credit</b> |
|--------------------|-------------------------------------------------------------------------|--------------|---------------|
| X3812              | Creative Practice and Pedagogy                                          | 5            | 20            |
| X3829              | What is Creativity? Theory, Policy and Curriculum                       | 5            | 20            |
| X3817              | Charting the Child's Creative Journey: Empowering Children's Creativity | 5            | 20            |

### **Postgraduate Certificate in Health, Wellbeing and Sustainability**

All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                             | <b>Level</b> | <b>Credit</b> |
|--------------------|-------------------------------------------------|--------------|---------------|
| X9722              | Health & Wellbeing: Policy, Practice & Pedagogy | 5            | 20            |
| X3969              | Learning for Sustainability                     | 5            | 20            |

|       |                                                         |   |    |
|-------|---------------------------------------------------------|---|----|
| X3992 | Developing Effective Practice in Youth Health Promotion | 5 | 20 |
|-------|---------------------------------------------------------|---|----|

### **Postgraduate Certificate in Technology Enhanced Teaching and Learning (Digital Education)**

All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| <b>Module Code</b>     | <b>Module Title</b>                               | <b>Level</b> | <b>Credit</b> |
|------------------------|---------------------------------------------------|--------------|---------------|
| X3900                  | Technology Enhanced Learning: Theory and Practice | 5            | 20            |
| X3862                  | Instructional Design and Technology               | 5            | 20            |
| X3860                  | Digital Media for Learning                        | 5            | 20            |
| Or (distance learning) |                                                   |              |               |
| X2921                  | Technology Enhanced Learning: Theory and Practice | 5            | 20            |
| X2920                  | Instructional Design and Technology               | 5            | 20            |
| X2919                  | Digital Media for Learning                        | 5            | 20            |

#### **Examination, Progress and Final Assessment**

9. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
10. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### **Award**

11. **MEd or MSc** in named pathway: In order to qualify for the award of the degree of MEd or MSc in a named pathway the candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits of which 120 must be in their chosen named pathway and 60 must have been awarded in respect of either the dissertation or the work-based projects in their chosen named pathway.
12. **Postgraduate Diploma** in named pathway: In order to qualify for the award of the Postgraduate Diploma a student must normally have accumulated no fewer than 120 credits from the taught modules of the programme.
13. **Postgraduate Certificate** in named pathway: In order to qualify for the award of the Postgraduate Certificate a student must normally have accumulated no fewer than 60 credits from the taught modules.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### EDUCATION (INTERNATIONAL)

#### Postgraduate Certificate in Education (International)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, applicants for the programme must be working in an appropriate professional context or have suitable access to an appropriate professional context.
3. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

5. The programme is delivered online.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| X9651       | Practitioner Enquiry for Professional Learning                   | 5     | 20      |
| X9652       | International Education: Issues, Debates and Challenges          | 5     | 20      |
| X9653       | Learning, Teaching and Professionalism in International Contexts | 5     | 20      |

#### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).  
The final assessment will be based on academic performance in the assessments undertaken.

#### Award

8. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Education (International) a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### EDUCATIONAL ISSUES AND IMPACT

#### Postgraduate Certificate in Educational Issues and Impact

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, applicants for the programme must be working in an appropriate professional context or have suitable access to an appropriate professional context.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

4. The programme is delivered in a blended way with two modules delivered in Pakistan and one delivered online.

#### Mode of Study

5. The programme is delivered by part-time study.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                    | Level | Credits |
|-------------|-----------------------------------------------------------------|-------|---------|
| X3848       | Educational Perspectives and Policies                           | 5     | 20      |
| X9651       | Practitioner Enquiry for Professional Learning                  | 5     | 20      |
| X9XXX       | Learning Teaching and Professionalism in International Contexts | 5     | 20      |

#### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. Candidates will be permitted a maximum of 2 attempts at each assessment. The final assessment will be based on performance in the examinations where undertaken, and coursework.

#### Award

9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Educational Issues and Impact a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### EDUCATIONAL ISSUES, IMPACT AND IMMERSION

#### Postgraduate Certificate in Educational Issues, Impact and Immersion

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

3. The programme involves placement in schools for which a student must be a member of the Protecting Vulnerable Groups (PVG) Scheme. If they are already a member, they must apply for an update.

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| X3853       | Educational Perspectives and Policies | 5     | 20      |
| X3855       | Principles and Policy in Practice     | 5     | 10      |
| X3852       | Professional Specialisation (ELT)     | 5     | 10      |
| X3854       | Professional Placement                | 5     | 20      |

#### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).  
Candidates will be permitted a maximum of 2 attempts at each assessment. The final assessment will be based on performance in the examinations where undertaken, coursework, and the dissertation where undertaken.

#### Award

7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Educational Issues, Impact and Immersion, a student must have accumulated no fewer than 60 credits from the taught curriculum of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### ENGINEERING STEM LEARNING

#### Postgraduate Certificate in Engineering Stem Learning

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Curriculum

1. All students shall undertake an approved curriculum delivered by Primary Engineer Programmes as follows:

#### Compulsory Modules

| Module Code | Module Title               | Levels | Credits |
|-------------|----------------------------|--------|---------|
| X3837       | STEM Educational Landscape | 5      | 20      |
| X3836       | Professional Enquiry       | 5      | 40      |

#### Examination, Progress and Final Assessment

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
3. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### Award

4. **Postgraduate Certificate** in named pathway: In order to qualify for the award of the Postgraduate Certificate a student must normally have accumulated no fewer than 60 credits from the taught modules.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### GAELIC IMMERSION FOR TEACHERS

#### Postgraduate Diploma in Gaelic Immersion for Teachers

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all applicants must be registered with the General Teaching Council for Scotland and have achieved the Standard for Full Registration. They must have intermediate competence in Gaelic.

#### Duration of Study

3. The minimum period of study is 9 months. The maximum period is as set out in the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The Postgraduate Diploma in Gaelic Immersion for Teachers is available by full-time study only.

#### Place of Study

5. The programme includes study at the University of Strathclyde and the University of Edinburgh, and placements in Gaelic-medium schools and other appropriate work settings.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| X3959       | Gaelic 1: Threshold (CEFR B1)                                    | 5     | 20      |
| X3966       | Gaelic 2: Vantage (CEFR B2)                                      | 5     | 20      |
| X3967       | Gaelic 3: Proficiency (CEFR C1)                                  | 5     | 20      |
| X7927       | Pedagogy 1: Language Learning and Teaching                       | 5     | 20      |
| X7928       | Pedagogy 2: Gaelic Medium Education: Provision, Policy, Practice | 5     | 20      |
| X7929       | Pedagogy 3: Bilingualism                                         | 5     | 20      |

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#). Programme delivery, materials, assessed work and oral examination shall be in Gaelic or English unless stated otherwise in individual programme regulations and published in the Programme Handbook.

### **Examination, Progress and Final Assessment**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), where a programme includes an integrative/reflective module that will draw on work in other modules, or where a task is dually assessed for both linguistic and pedagogical performance, each item of work may only be assessed in one module.

### **Award**

10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Gaelic Immersion for Teachers, a student must have accumulated no fewer than 120 credits from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### LEADING LEARNING & TRANSFORMATIVE PRACTICE IN COLLEGES (WITH TQFE)

**Postgraduate Certificate in Leading Learning & Transformative Practice in Colleges (with TQFE).**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) applicants for the programme must also satisfy the Scottish Government's minimum requirements for entry to an approved Teaching Qualification in Further Education (including access to a suitable work-based setting to undertake 120 hours of teaching practice).

#### **Duration of Study**

2. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the programme can be undertaken on a minimum duration of 9 months and maximum 24 months (standard route) or minimum duration of 21 months and maximum 36 months (extended route).

#### **Place of Study**

3. The programme is delivered online.

#### **Mode of Study**

4. The programme is delivered by part-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                          | Level | Credits |
|-------------|-------------------------------------------------------|-------|---------|
| X2914       | Leading Learning in Colleges (SCQF Level 11)          | 5     | 20      |
| X2915       | Transforming Practice through Enquiry (SCQF Level 11) | 5     | 20      |
| X2916       | Achieving Professional Standards (SCQF Level 11)      | 5     | 20      |

#### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Award**

7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Leading Learning & Transformative Practice in Colleges (with TQFE) a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### Postgraduate Certificate in Learning and Teaching in Higher Education

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Notwithstanding the provisions of the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall normally be employed in an organisation which has made a commitment agreed with the Programme Director, to support the practice-based learning requirements.

#### Duration of Study

3. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply. The maximum period of study for completing the programme shall be 36 months.

#### Place of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

5. The programme is available by part-time study only.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                  | Level | Credits |
|-------------|---------------------------------------------------------------|-------|---------|
| LT901       | Becoming an Effective Teacher at Strathclyde                  | 5     | 20      |
| LT902       | Developing a Portfolio of Excellence in Learning and Teaching | 5     | 20      |

#### Optional Modules

No fewer than 20 credits chosen from:

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| LT903       | Supervising Postgraduate Research           | 5     | 20      |
| LT904       | Becoming a Scholar of Learning and Teaching | 5     | 20      |

#### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Award

8. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate a candidate must have accumulated no fewer than 60 credits from the taught modules.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OSF EDUCATION

### PSYCHOANALYTIC OBSERVATION AND REFLECTIVE PRACTICE: THERAPEUTIC WORK WITH CHILDREN AND YOUNG PEOPLE

**Master of Science in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People**

**Postgraduate Diploma in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People**

**Postgraduate Certificate in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Per the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. one year's post qualifying experience deemed appropriate by the Programme Director, and
  - ii. have continuing professional contact with children and/or young people, throughout the period of study.
2. Applicants will normally be registered initially for the lowest level of qualification offered in the specific programme. Progress to the next level of study is normally dependent on performance, see [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#). The minimum duration of study shall be:

|                               |          |
|-------------------------------|----------|
| i. MSc                        | 90 weeks |
| ii. Postgraduate Diploma      | 60 weeks |
| iii. Postgraduate Certificate | 30 weeks |

#### **Place of Study**

5. As permitted by [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) the MSc, Postgraduate Diploma and Postgraduate Certificate in Psychoanalytic Observation and Reflective Practice: Therapeutic Skills with Children and Young People are delivered at Human Development Scotland (HDS).

#### **Mode of Study**

6. The programme is available by part-time study only.

#### **Curriculum**

7. All students shall undertake an approved curriculum as follows:
  - i. For the Postgraduate Certificate no fewer than 60 credits
  - ii. For the Postgraduate Diploma no fewer than 120 credits

- iii. For the degree of MSc no fewer than 180 credits

**Students undertaking the Postgraduate Certificate and Postgraduate Diploma should undertake the following:**

**Compulsory Modules**

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| X9637       | Infant Observation 1                        | 5     | 20      |
| X9638       | Infant Observation 2                        | 5     | 20      |
| X9643       | Young Child Observation                     | 5     | 20      |
| X9639       | Work Discussion and Institutional Processes | 5     | 20      |
| X9640       | Personality Development                     | 5     | 10      |
| X9641       | A History of Psychoanalytic Thinking        | 5     | 20      |
| X9642       | Child Development Research                  | 5     | 10      |

**Students wishing to progress to the degree of MSc must undertake the following module:**

**Students for the degree of MSc only**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| X9636       | Professional Enquiry and Development | 5     | 60      |

**Examination, Progress and Final Assessment**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. Where relevant, progress to the Postgraduate Diploma is dependent upon completion of the Postgraduate Certificate to the satisfaction of the Board of Examiners and progress to the MSc is dependent upon completion of the Postgraduate Diploma to the satisfaction of the Board of Examiners.
10. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) candidates will be permitted a maximum of 2 attempts at each assessment.
11. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

**Award**

8. Degree of **MSc** in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People: In order to qualify for the award of the degree of MSc in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation X9636.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### RESEARCHER PROFESSIONAL DEVELOPMENT

#### Postgraduate Certificate in Researcher Professional Development

These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)

#### Admission

1. [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Duration of Study

2. [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)  
The normal duration of study will be 36 months.
3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Codes | Title                                           | Level | Credits |
|--------------|-------------------------------------------------|-------|---------|
| RD901        | Researcher Knowledge and Intellectual Abilities | 5     | 20      |
| RD902        | Researcher Personal Effectiveness               | 5     | 10      |
| RD903        | Research Governance and Organisation            | 5     | 10      |
| RD904        | Researcher Engagement, Influence and Impact     | 5     | 10      |
| RD905        | Researcher Professional Development Elective    | 5     | 10      |

#### Examination, Progress and Final Assessment

5. [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)
6. The final assessment will be based on performance in the examinations and coursework.

#### Award

7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Researcher Professional Development, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## FACULTY PROGRAMMES

### SOCIAL RESEARCH METHODS

#### Postgraduate Certificate in Social Research Methods

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Applicants are normally required to possess a Master (MSc) degree of a United Kingdom university or a qualification deemed to be equivalent by the Senate.

#### Duration of Study

2. The programme will normally be complete within 9 months (full-time) or 18 months (part-time).

#### Place of Study

3. The programme will involve study time based at Strathclyde.

#### Mode of Study

4. The programme is available by full-time or part-time.

#### Curriculum

5. All students shall undertake modules amounting to no fewer than 60 credits as follows:

#### Compulsory Modules

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| L5981       | Perspectives on Social Research      | 5     | 20      |
| L2905       | Quantitative Methods: Survey Methods | 5     | 20      |
| L2909       | Qualitative Methods                  | 5     | 20      |

#### Examination, Progress and Final Assessment

6. The final assessment will be based on performance in the examinations, coursework and the dissertation.

#### Award

7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate certificate in Social Research Methods, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### TESOL AND INTERCULTURAL COMMUNICATION

Master of Science in TESOL and Intercultural Communication  
Postgraduate Diploma in TESOL and Intercultural Communication  
Postgraduate Certificate in TESOL and Intercultural Communication

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

3. In accordance with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Mode of Study

4. The programmes are available by full-time study and by part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation

#### Compulsory Modules

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| X3842       | Language Learning in a Multilingual World   | 5     | 20      |
| QQ976       | Introduction to Intercultural Communication | 5     | 20      |

#### Optional Modules

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| Either      |                                                          |       |         |
| X3833       | Research Methodologies and Reasoning                     | 5     | 20      |
| Or          |                                                          |       |         |
| QQ939       | Research Skills in Literature, Culture and Communication | 5     | 20      |

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:

### **Compulsory Modules**

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| X3841       | Contemporary Issues in Language Teaching | 5     | 20      |

### **Optional Modules**

No fewer than 40 credits chosen from:

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| X3859       | Curriculum Development in TESOL                           | 5     | 20      |
| X3863       | Digital Technologies in Language Teaching                 | 5     | 20      |
| X3927       | Independent Study 1                                       | 5     | 20      |
| QQ903       | Narrative Processing Across Languages, Cultures and Media | 5     | 20      |
| QQ988       | Contemporary Scottish Cultural Studies                    | 5     | 20      |

Not all optional modules on this list will be available in each academic year.

Any such other Level 5 modules chosen from other programmes offered by the University as may be approved by the Head of Department offering the module and the Programme Leader for this programme.

### **Students for the degree of MSc only:**

| Module Code | Module Title                                      | Level | Credits |
|-------------|---------------------------------------------------|-------|---------|
| Either      |                                                   |       |         |
| X3815       | Dissertation                                      | 5     | 60      |
| Or          |                                                   |       |         |
| QQ980       | Dissertation in Interdisciplinary English Studies | 5     | 60      |

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

7. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

8. **MSc:** In order to qualify for the award of the degree of MSc in TESOL and Intercultural Communication the candidate must have accumulated no fewer than 180 credits of which

60 must have been awarded in respect of the dissertation X3815 or QQ850.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in TESOL and Intercultural Communication a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in TESOL and Intercultural Communication a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY

### DATA SCIENCE FOR POLITICS AND POLICYMAKING

Master of Science in Data Science for Politics and Policymaking  
Postgraduate Diploma in Data Science for Politics and Policymaking  
Postgraduate Certificate in Data Science for Politics and Policymaking

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The MSc programme is available by full-time and part time study.

#### Place of Study

4. The programmes are available on campus only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                       | Level | Credits |
|-------------|--------------------------------------------------------------------|-------|---------|
| CS978       | Legal, Ethical and Professional Issues for the Information Society | 5     | 10      |
| CS982       | Big Data Technologies                                              | 5     | 20      |
| CS990       | Database Fundamentals                                              | 5     | 10      |
| CS985       | Machine Learning for Data Analytics                                | 5     | 20      |
| L2905       | Quantitative Methods 1**                                           | 5     | 20      |

In exceptional circumstances, a compulsory module may be substituted for an equivalent module at the discretion of the Programme Leader.

\*\* Subject to approval by the programme leader, L2908 Quantitative Methods 2 or L2909 Qualitative Methods may be substituted, where a student's previous learning is demonstrated.

#### Optional Modules

40 credits from:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| L5501       | Perspectives on Social Research | 5     | 20      |
| And         |                                 |       |         |
| L5976       | Welfare Concepts and Ideas*     | 5     | 20      |
| Or          |                                 |       |         |
| L2941       | Principles of Research Design   | 5     | 20      |
| And         |                                 |       |         |
| L2917       | Policy Analysis*                | 5     | 20      |

Equivalent or alternative modules may be substituted with the agreement of the programme leader.

\* Departments within Humanities and Social Sciences or Strathclyde Business School may substitute another policy-oriented module to tailor the MSc programme to a specific policy area.

#### For the MSc:

| Module Code | Module Title           | Level | Credits |
|-------------|------------------------|-------|---------|
| L2933       | Dissertation           | 5     | 60      |
| Or          |                        |       |         |
| L2974       | Placement Dissertation | 5     | 60      |

Not all optional modules on this list will be available in each academic year.

#### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and dissertation.

#### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Data Science for Politics and Policymaking, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Dissertation L2933 or Placement Dissertation L2974.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Data Science for Politics and Policymaking, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Data Science for Politics and Policymaking, a candidate must have accumulated no fewer than 60 credits.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY

### INTERNATIONAL RELATIONS, LAW AND SECURITY

Master of Laws in International Relations, Law and Security  
Master of Science in International Relations, Law and Security  
Postgraduate Diploma in International Relations, Law and Security  
Postgraduate Certificate in International Relations, Law and Security

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time or part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| L2963       | Contemporary Security Challenges and Responses            | 5     | 20      |
| And either  |                                                           |       |         |
| L2941       | Principles of Research Design ( <b>for MSc students</b> ) | 5     | 20      |
| Or          |                                                           |       |         |
| M9930       | Legal Research ( <b>for LLM students</b> )                | 5     | 20      |

No fewer than 80 credits to be chosen from the optional lists below with at least 20 credits from both List A and List B:

#### Optional Modules

##### List A – Strathclyde Law School

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| M9986       | European Human Rights Law         | 5     | 20      |
| M9989       | Human Rights Protection in the UK | 5     | 20      |
| M9990       | International Human Rights        | 5     | 20      |

|       |                                            |   |    |
|-------|--------------------------------------------|---|----|
| M9865 | Terrorism and the Law                      | 5 | 20 |
| M9862 | International Migration Law                | 5 | 20 |
| M9857 | Climate Change and International Law       | 5 | 20 |
| M9829 | Privacy, Crime and Security                | 5 | 20 |
| M9839 | Surveillance, Technology and Crime Control | 5 | 20 |

#### **List B – Department of Government and Public Policy**

| <b>Module Code</b> | <b>Module Title</b>                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------|--------------|----------------|
| L2962              | Contemporary International Relations      | 5            | 20             |
| L2916              | Comparative Public Policy                 | 5            | 20             |
| L2912              | International Institutions and Regimes    | 5            | 20             |
| L2905              | Quantitative Methods 1                    | 5            | 20             |
| L2909              | Qualitative Methods                       | 5            | 20             |
| V1993              | Diplomacy: Evolution, Theory and Practice | 5            | 20             |
| V1994              | Embassies in Crisis                       | 5            | 20             |

Any level 5 module offered by the Department of Government and Public Policy may also be chosen. Any other Level 5 modules up to a maximum of 20 credits chosen from other programmes offered by the University as may be approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered.

Not all optional modules on this list will be available in each academic year.

#### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>    | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------|--------------|----------------|
| L2933              | Dissertation           | 5            | 60             |
| Or                 |                        |              |                |
| L2974              | Placement Dissertation | 5            | 60             |

#### **Students for the degree of LLM only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| M9863              | Dissertation        | 5            | 60             |



### **Progress**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
6. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.

### **Award**

7. **Degree of LLM:** In order to qualify for the award of LLM in International Relations, Law and Security, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the M9863 dissertation.
8. **Degree of MSc:** In order to qualify for the award of MSc in International Relations, Law and Security, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the L2933 Dissertation or L2974 Placement Dissertation.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Relations, Law and Security, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme including the two compulsory modules.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Relations, Law and Security, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme including the compulsory module L2963 Contemporary Security Challenges and Responses.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY

### INTERNATIONAL RELATIONS

Master of Science in International Relations  
Postgraduate Diploma International Relations  
Postgraduate Certificate International Relations

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in Social Science from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Place of Study

5. The programmes are available on campus only.

#### Curriculum

6. All full-time students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| L2941       | Principles of Research Design | 5     | 20      |

An equivalent module may be substituted with agreement of the programme leader.

#### Optional Modules

No fewer than 40 credits (and up to 100 credits) to be chosen from modules in List A.

#### List A

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| L2912       | International Institutions and Regimes | 5     | 20      |

|       |                                                |   |    |
|-------|------------------------------------------------|---|----|
| L2962 | Contemporary International Relations           | 5 | 20 |
| L2963 | Contemporary Security Challenges and Responses | 5 | 20 |
| L2964 | Debating International Relations Theory        | 5 | 20 |
| L2965 | Feminism and International Relations           | 5 | 20 |
| L2991 | International Political Economy                | 5 | 20 |
| L2994 | Politics of Non-Democratic Regimes             | 5 | 20 |
| L29XX | Human Rights                                   | 5 | 20 |
| L29XX | Advanced Topics in Civil Conflict              | 5 | 20 |
| L29XX | Global Nuclear Politics                        | 5 | 20 |

Equivalent modules may be substituted with the agreement of the programme leader.

The remaining credits to be selected from List B:

#### List B

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| L2905       | Quantitative Methods 1                    | 5     | 20      |
| L2908       | Quantitative Methods 2                    | 5     | 20      |
| L2909       | Qualitative Methods                       | 5     | 20      |
| L2992       | Comparative Political Economy             | 5     | 20      |
| L2993       | Comparative Political Institutions        | 5     | 20      |
| L2914       | European Governance                       | 5     | 20      |
| L2916       | Comparative Public Policy                 | 5     | 20      |
| L2917       | Policy Analysis                           | 5     | 20      |
| M9920       | Law of the World Trade Organisations      | 5     | 20      |
| M9921       | International Environmental Law           | 5     | 20      |
| M9864       | Global Health, Rights and Development     | 5     | 20      |
| V1993       | Diplomacy: Evolution, Theory and Practice | 5     | 20      |
| V1994       | Embassies in Crisis                       | 5     | 20      |

Any level 5 module offered by the Department of Government and Public Policy may also be chosen. Up to a maximum of 40 credits at level 5 from other programmes offered by the Faculty of Humanities and Social Sciences may be approved by the Programme Leader and Department(s) offering the module(s).

Not all optional modules on these lists will be available in each academic year.

**For students on MSc:**

| Module Code | Module Title           | Level | Credits |
|-------------|------------------------|-------|---------|
| L2933       | Dissertation           | 5     | 60      |
| Or          |                        |       |         |
| L2974       | Placement Dissertation | 5     | 60      |

**Progress**

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
8. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
9. The final award will be based on performance in the examinations, the coursework and the dissertation.

**Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in International Relations, a candidate must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of either the dissertation L2933 or placement dissertation L2974.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Relations, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Relations, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY

### POLITICAL ECONOMY

**Master of Science in Political Economy**  
**Postgraduate Diploma in Political Economy**  
**Postgraduate Certificate in Political Economy**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in a Social Science from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Place of Study**

5. The programmes are available on campus only.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| L2992       | Comparative Political Economy   | 5     | 20      |
| L2991       | International Political Economy | 5     | 20      |
| L2905       | Quantitative Methods 1*         | 5     | 20      |
| L2908       | Quantitative Methods 2*         | 5     | 20      |

Equivalent modules may be substituted with the agreement of the programme leader.

\* Students with sufficient research training may select a further optional module in place of this module in agreement with the programme leader.

### **Optional Modules**

40 credits chosen from the following modules:

| <b>Module Code</b> | <b>Module Title</b>                                               | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------------------------|--------------|----------------|
| L2912              | International Institutions and Regimes                            | 5            | 20             |
| L2993              | Comparative Political Institutions                                | 5            | 20             |
| L2963              | Contemporary Security Challenges and Responses                    | 5            | 20             |
| L2929              | Political Behaviour                                               | 5            | 20             |
| L2962              | Contemporary International Relations                              | 5            | 20             |
| L2965              | Feminism and International Relations                              | 5            | 20             |
| L2914              | European Governance                                               | 5            | 20             |
| L2909              | Qualitative Methods                                               | 5            | 20             |
| L2941              | Principles of Research Design                                     | 5            | 20             |
| L29XX              | Human Rights                                                      | 5            | 20             |
| L29XX              | Advanced Topics in Civil Conflict                                 | 5            | 20             |
| L29XX              | Global Nuclear Politics                                           | 5            | 20             |
| L2994              | Politics of Non-Democratic Regimes                                | 5            | 20             |
| L2917              | Policy Analysis                                                   | 5            | 20             |
| L2945              | Theories and Practices of Regulation and Governance               | 5            | 20             |
| L2948              | Policy Analysis: Problem Structuring Methods                      | 5            | 20             |
| L2946              | Levelling Up: A Guide to the New Regional and Industrial Policies | 5            | 20             |
| L2947              | Networked Institutions, Infrastructure and Technology             | 5            | 20             |

Students are strongly advised to take L2941 Principles of Research Design or equivalent.

Up to a maximum of 40 credits at level 5 from other programmes offered by the Faculty of Humanities and Social Sciences and Strathclyde Business School (Economics) may be approved the Programme Leader and the Department(s) offering the module(s).

Not all optional modules on this list will be available in each academic year.

### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| L2933              | Dissertation        | 5            | 60             |

|       |                        |   |    |
|-------|------------------------|---|----|
| Or    |                        |   |    |
| L2974 | Placement Dissertation | 5 | 60 |

### Progress

- The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Political Economy, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of L2933 Dissertation or L2974 Placement Dissertation.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Political Economy, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Political Economy, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY

### POLITICAL RESEARCH

**Master of Science in Political Research**  
**Postgraduate Diploma in Political Research**  
**Postgraduate Certificate in Political Research**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in Social Science from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Place of Study**

5. The programmes are available on campus only.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| L5981       | Perspectives on Social Research               | 5     | 20      |
| L2905       | Quantitative Methods: Survey Methods          | 5     | 20      |
| L2908       | Quantitative Methods: Statistics and Analysis | 5     | 20      |
| L2909       | Qualitative Methods                           | 5     | 20      |

Equivalent modules may be substituted with the agreement of the programme leader.

#### **Optional Modules**

No fewer than 40 credits chosen from:



| <b>Module Code</b> | <b>Module Title</b>                                               | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------------------------|--------------|----------------|
| L2912              | International Institutions and Regimes                            | 5            | 20             |
| L2992              | Comparative Political Economy                                     | 5            | 20             |
| L2914              | European Governance                                               | 5            | 20             |
| L2916              | Comparative Public Policy                                         | 5            | 20             |
| L2917              | Policy Analysis                                                   | 5            | 20             |
| L2929              | Political Behaviours                                              | 5            | 20             |
| L2962              | Contemporary International Relations                              | 5            | 20             |
| L2963              | Contemporary Security Challenges                                  | 5            | 20             |
| L2964              | Debating International Relations Theory                           | 5            | 20             |
| L2965              | Feminism and International Relations                              | 5            | 20             |
| L29XX              | Human Rights                                                      | 5            | 20             |
| L29XX              | Advanced Topics in Civil Conflict                                 | 5            | 20             |
| L29XX              | Global Nuclear Politics                                           | 5            | 20             |
| L2994              | Politics of Non-Democratic Regimes                                | 5            | 20             |
| L2945              | Theories and Practices of Regulation and Governance               | 5            | 20             |
| L2948              | Policy Analysis: Problem Structuring Methods                      | 5            | 20             |
| L2946              | Levelling Up: A Guide to the New Regional and Industrial Policies | 5            | 20             |
| L2947              | Networked Institutions, Infrastructure and Technology             | 5            | 20             |

Any level 5 module offered by the Department of Government and Public Policy may also be chosen. Up to a maximum of 40 credits at level 5 from other programmes offered by the Faculty of Humanities and Social Sciences may be approved the Programme Leader and the Department(s) offering the module(s).

Not all optional modules on this list will be available in each academic year.

**Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| L2933              | Dissertation        | 5            | 60             |
| Or                 |                     |              |                |

|       |                        |   |    |
|-------|------------------------|---|----|
| L2974 | Placement Dissertation | 5 | 60 |
|-------|------------------------|---|----|

### Progress

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
8. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
9. The final award will be based on performance in the examinations, the coursework and the dissertation.

### Award

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Political Research, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the dissertation L2933 or Placement Dissertation L2974.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Political Research, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Political Research, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY

### POLITICS

Master of Science in Politics  
Postgraduate Diploma in Politics  
Postgraduate Certificate in Politics

Master of Science in Politics with Specialisation in \*  
Postgraduate Diploma in Politics with Specialisation in \*  
Postgraduate Certificate in Politics with Specialisation in \*

#### Specialisations

\*European Politics  
\*Comparative Politics

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in Social Science from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Place of Study

5. The programmes are available on campus only.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| L2941       | Principles of Research Design | 5     | 20      |
| And         |                               |       |         |
| L2905       | Quantitative Methods 1        | 5     | 20      |

| Or    |                     |   |    |
|-------|---------------------|---|----|
| L2909 | Qualitative Methods | 5 | 20 |

Equivalent modules may be substituted with the agreement of the programme leader.

### **Optional Modules**

Students not studying a specialisation should select no fewer than 80 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                            | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------|--------------|----------------|
| L2905              | Quantitative Methods 1*                        | 5            | 20             |
| L2908              | Quantitative Methods 2                         | 5            | 20             |
| L2909              | Qualitative Methods*                           | 5            | 20             |
| L2912              | International Institutions and Regimes         | 5            | 20             |
| L2914              | European Governance                            | 5            | 20             |
| L2916              | Comparative Public Policy                      | 5            | 20             |
| L2992              | Comparative Political Economy                  | 5            | 20             |
| L2993              | Comparative Political Institutions             | 5            | 20             |
| L2917              | Policy Analysis                                | 5            | 20             |
| L2962              | Contemporary International Relations           | 5            | 20             |
| L2963              | Contemporary Security Challenges and Responses | 5            | 20             |
| L2929              | Political Behaviour                            | 5            | 20             |
| L2965              | Feminism and International Relations           | 5            | 20             |
| L29XX              | Human Rights                                   | 5            | 20             |
| L29XX              | Advanced Topics in Civil Conflict              | 5            | 20             |
| L29XX              | Global Nuclear Politics                        | 5            | 20             |
| L2994              | Politics of Non-Democratic Regimes             | 5            | 20             |

\* If not taken as compulsory

Any level 5 module offered by the Department of Government and Public Policy may also be chosen. Up to a maximum of 40 credits at level 5 from other programmes offered by the Faculty of Humanities and Social Sciences may be approved the Programme Leader and the Department(s) offering the module(s).

Not all optional modules on this list will be available in each academic year.

**For specialisation in European Politics:**

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| L2992       | Comparative Political Economy | 5     | 20      |
| L2914       | European Governance           | 5     | 20      |

Equivalent modules may be substituted with the agreement of the programme leader.

### **Optional Modules**

No fewer than 40 credits chosen from:

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| L2905       | Quantitative Methods 1*                | 5     | 20      |
| L2908       | Quantitative Methods 2                 | 5     | 20      |
| L2909       | Qualitative Methods*                   | 5     | 20      |
| L2912       | International Institutions and Regimes | 5     | 20      |
| L2916       | Comparative Public Policy              | 5     | 20      |
| L2917       | Policy Analysis                        | 5     | 20      |
| L2962       | Contemporary International Relations   | 5     | 20      |
| L2963       | Contemporary Security Challenges       | 5     | 20      |
| L2929       | Political Behaviour                    | 5     | 20      |
| L2965       | Feminism and International Relations   | 5     | 20      |
| L29XX       | Human Rights                           | 5     | 20      |
| L29XX       | Advanced Topics in Civil Conflict      | 5     | 20      |
| L29XX       | Global Nuclear Politics                | 5     | 20      |
| L2994       | Politics of Non-Democratic Regimes     | 5     | 20      |

\* If not taken as compulsory

Any level 5 module offered by the Department of Government and Public Policy may also be chosen. Up to a maximum of 40 credits at level 5 from other programmes offered by the Faculty of Humanities and Social Sciences may be approved the Programme Leader and the Department(s) offering the module(s).

Not all optional modules on this list will be available in each academic year.

### **For specialisation in Comparative Politics:**

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| L2992       | Comparative Political Economy | 5     | 20      |

|       |                           |   |    |
|-------|---------------------------|---|----|
| L2916 | Comparative Public Policy | 5 | 20 |
|-------|---------------------------|---|----|

Equivalent modules may be substituted with the agreement of the programme leader.

### **Optional Modules**

No fewer than 40 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                               | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------------------------|--------------|----------------|
| L2905              | Quantitative Methods 1*                                           | 5            | 20             |
| L2908              | Quantitative Methods 2                                            | 5            | 20             |
| L2909              | Qualitative Methods*                                              | 5            | 20             |
| L2912              | International Institutions and Regimes                            | 5            | 20             |
| L2914              | European Governance                                               | 5            | 20             |
| L2917              | Policy Analysis                                                   | 5            | 20             |
| L2962              | Contemporary International Relations                              | 5            | 20             |
| L2963              | Contemporary Security Challenges                                  | 5            | 20             |
| L2929              | Political Behaviour                                               | 5            | 20             |
| L2965              | Feminism and International Relations                              | 5            | 20             |
| L29XX              | Human Rights                                                      | 5            | 20             |
| L29XX              | Advanced Topics in Civil Conflict                                 | 5            | 20             |
| L29XX              | Global Nuclear Politics                                           | 5            | 20             |
| L2994              | Politics of Non-Democratic Regimes                                | 5            | 20             |
| L2945              | Theories and Practices of Regulation and Governance               | 5            | 20             |
| L2948              | Policy Analysis: Problem Structuring Methods                      | 5            | 20             |
| L2946              | Levelling Up: A Guide to the New Regional and Industrial Policies | 5            | 20             |
| L2947              | Networked Institutions, Infrastructure and Technology             | 5            | 20             |

\* If not taken as compulsory

Any level 5 module offered by the Department of Government and Public Policy may also be chosen. Up to a maximum of 40 credits at level 5 from other programmes offered by the Faculty of Humanities and Social Sciences may be approved the Programme Leader and the Department(s) offering the module(s).

Not all optional modules on this list will be available in each academic year.

**Students for the degree of MSc only:**

| Module Code | Module Title           | Level | Credits |
|-------------|------------------------|-------|---------|
| L2933       | Dissertation           | 5     | 60      |
| Or          |                        |       |         |
| L2974       | Placement Dissertation | 5     | 60      |

### Progress

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
8. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
9. The final award will be based on performance in the examinations, the coursework and the dissertation.

### Award

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc, a candidate must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the dissertation L2933 or Placement Dissertation L2974.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF GOVERNMENT AND PUBLIC POLICY

### PUBLIC POLICY

**Master of Science in Public Policy**  
**Postgraduate Diploma in Public Policy**  
**Postgraduate Certificate in Public Policy**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in Social Science from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Place of Study**

5. The programmes are available on campus only.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| L2945       | Theories and Practices of Regulation and Governance | 5     | 20      |
| L2917       | Policy Analysis                                     | 5     | 20      |

and a minimum of two of the following:

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| L2909       | Qualitative Methods       | 5     | 20      |
| L2916       | Comparative Public Policy | 5     | 20      |



|       |                                              |   |    |
|-------|----------------------------------------------|---|----|
| L2905 | Quantitative Methods 1                       | 5 | 20 |
| L2948 | Policy Analysis: Problem Structuring Methods | 5 | 20 |

Equivalent modules may be substituted with the agreement of the programme leader.

### **Optional Modules**

A maximum of 40 credits may be chosen from the list below.

| <b>Module Code</b> | <b>Module Title</b>                                               | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------------------------|--------------|----------------|
| L2908              | Quantitative Methods 2*                                           | 5            | 20             |
| L2912              | International Institutions and Regimes                            | 5            | 20             |
| L2914              | European Governance                                               | 5            | 20             |
| L2929              | Political Behaviour                                               | 5            | 20             |
| L2963              | Contemporary Security Challenges and Responses                    | 5            | 20             |
| L2993              | Comparative Political Institutions                                | 5            | 20             |
| L2946              | Levelling Up: A Guide to the New Regional and Industrial Policies | 5            | 20             |
| L2947              | Networked Institutions, Infrastructure and Technology             | 5            | 20             |

\* With appropriate prerequisite.

Any level 5 module offered by the Department of Government and Public Policy may also be chosen with approval of the Programme Leader. Up to a maximum of 40 credits at level 5 from other programmes offered by the Faculty of Humanities and Social Sciences may be approved the Programme Leader and the Department(s) offering the module(s).

Not all optional modules on this list will be available in each academic year.

### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>    | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------|--------------|----------------|
| L2933              | Dissertation           | 5            | 60             |
| Or                 |                        |              |                |
| L2974              | Placement Dissertation | 5            | 60             |

### **Progress**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
- The final award will be based on performance in all elements of the coursework and the dissertation.

### **Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Public Policy, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the Dissertation L2933 or Placement Dissertation L2974.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Public Policy, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Public Policy, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### APPLIED GENDER STUDIES

**Master of Science in Applied Gender Studies (Research methods)**

**Master of Science in Applied Gender Studies**

**Postgraduate Diploma in Applied Gender Studies (Research methods)**

**Postgraduate Diploma in Applied Gender Studies**

**Postgraduate Certificate in Applied Gender Studies (Research methods)**

**Postgraduate Certificate in Applied Gender Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree, or overseas equivalent, in a relevant discipline, usually in the Humanities and Social Sciences.; or
  - ii. applicants with relevant experience (paid or voluntary) in feminist, queer or equalities work will also be considered.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:

#### **Applied Gender Studies (Research Methods)**

##### **Compulsory Modules**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| P3973       | Feminist Knowledge, Feminist Research | 5     | 20      |
| P3971       | Advanced Topics in Gender Studies     | 5     | 20      |
| L2905       | Quantitative Methods                  | 5     | 20      |
| L2909       | Qualitative Methods                   | 5     | 20      |

|       |                                |   |    |
|-------|--------------------------------|---|----|
| L5501 | Perspective on Social Research | 5 | 20 |
|-------|--------------------------------|---|----|

### **Optional Modules**

No fewer than 20 credits from:

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| V1932       | Research Skills, Sources and Methods for Historians | 5     | 20      |
| P3974       | Feminisms: Continuity and Change                    | 5     | 20      |
| P3972       | Gender Studies Research Placement                   | 5     | 20      |
| QQ901       | Transcultural Fandom and British Popular Culture    | 5     | 20      |
| V1988       | Gender, Health and Modern Medicine                  | 5     | 20      |
| L2965       | Feminism and International Relations                | 5     | 20      |
| QQ981       | Fleshy Histories                                    | 5     | 20      |
| X2907*      | Understanding Gender and Sexuality in Education     | 5     | 20      |

\*Only available to part-time students

Such other Level 5 modules up to a maximum of 20 credits chosen from other programmes offered by the Department of Humanities or by another department in the University as may be approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered. **Students for the degree of MSc only will also take:**

| Module Code | Module Title                | Level | Credits |
|-------------|-----------------------------|-------|---------|
| P3976       | Gender Studies Dissertation | 5     | 60      |

### **Applied Gender Studies Compulsory Modules**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| P3973       | Feminist Knowledge, Feminist Research | 5     | 20      |
| P3974       | Feminisms: Continuity and Change      | 5     | 20      |
| P3975       | Understanding Gender                  | 5     | 20      |

### **Optional Modules**

No fewer than 60 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                               | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------|--------------|----------------|
| V1987              | Advanced Oral History                             | 5            | 20             |
| L5501              | Perspectives on Social Research                   | 5            | 20             |
| L2905              | Quantitative Methods                              | 5            | 20             |
| L2909              | Qualitative Methods                               | 5            | 20             |
| P3972              | Gender Studies Research Placement                 | 5            | 20             |
| P3971              | Advanced Topics in Gender Studies                 | 5            | 20             |
| QQ902              | Global Queers: Travel Writing and Sexual Politics | 5            | 20             |
| QQ901              | Transcultural Fandom and British Popular Culture  | 5            | 20             |
| V1988              | Gender, Health and Modern Medicine                | 5            | 20             |
| L2965              | Feminism and International Relations              | 5            | 20             |
| QQ981              | Fleshy Histories                                  | 5            | 20             |
| X2907              | Understanding Gender and Sexuality in Education   | 5            | 20             |

Such other Level 5 modules up to a maximum of 20 credits chosen from other programmes offered by the Department of Humanities or by another department in the University as may be approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered.

**Students for the degree of MSc only will also take:**

| <b>Module Code</b> | <b>Module Title</b>         | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------|--------------|----------------|
| P3976              | Gender Studies Dissertation | 5            | 60             |

### **Award**

- Degree of MSc:** In order to qualify for the degree of MSc in Applied Gender Studies (Research Methods) and the degree of MSc in Applied Gender Studies, candidates must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.

7. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Gender Studies (Research Methods) and the Postgraduate Diploma in Applied Gender Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
8. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applied Gender Studies (Research Methods) and the Postgraduate Certificate in Applied Gender Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### APPLIED TRANSLATION AND INTERPRETING

**Master of Science in Applied Translation and Interpreting**  
**Postgraduate Diploma in Applied Translation and Interpreting**  
**Postgraduate Certificate in Applied Translation and Interpreting**

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in an appropriate discipline from a United Kingdom university or an overseas university with equivalent academic degree; or
  - ii. a professional qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of study**

4. The programme is available by full-time study only.

#### **Place of Study**

5. In accordance with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| R5900       | Professional Interpreting Practice       | 5     | 20      |
| R5902       | Interpreting for a Business and Commerce | 5     | 20      |
| R5903       | Business Translation                     | 5     | 20      |
| R5907       | Translation and Interpreting Studies     | 5     | 20      |

## **Optional Modules**

Choose 40 credits from the following modules:

| <b>Module Code</b>                                                                                                                                                                                                                                   | <b>Module Title</b>                           | <b>Level</b> | <b>Credits</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------|----------------|
| R5901                                                                                                                                                                                                                                                | Translation with Language Technology          | 5            | 20             |
| R5906                                                                                                                                                                                                                                                | Text Typology and Translation                 | 5            | 20             |
| R5908                                                                                                                                                                                                                                                | Translating for the Travel and Tourism Sector | 5            | 20             |
| R5910                                                                                                                                                                                                                                                | Translation Industry Placement                | 5            | 20             |
| R5911                                                                                                                                                                                                                                                | Translating Media                             | 5            | 20             |
| Or any other module approved by the relevant Programme Directors.<br><i>Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.</i> |                                               |              |                |

**Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>                | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------|--------------|----------------|
| R5904              | Dissertation / Translation Project | 5            | 60             |

## **Examination, Progress and Final Assessment**

7. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
8. The final award will be based on performance in the examinations and coursework together with the dissertation where undertaken.

## **Award**

9. **Degree of MSc:** In order to qualify for the degree of MSc in Applied Translation and Interpreting, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation or a translation/interpreting project R5904.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Translation and Interpreting, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applied Translation and Interpreting, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### APPLIED TRANSLATION

**Master of Science in Applied Translation**  
**Postgraduate Diploma in Applied Translation**  
**Postgraduate Certificate in Applied Translation**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in an appropriate discipline from a United Kingdom university or an overseas university with equivalent academic degree; or
  - ii. a professional qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of study**

4. The programme is available by full-time study only.

#### **Place of Study**

5. In accordance with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| R59xx       | Business Translation                 | 5     | 20      |
| R59xx       | Translation and Interpreting Studies | 5     | 20      |
| R59xx       | Translation with Language Technology | 5     | 20      |
| R59xx       | Text Typology and Translation        | 5     | 20      |

|       |                                               |   |    |
|-------|-----------------------------------------------|---|----|
| R59xx | Translating for the Travel and Tourism Sector | 5 | 20 |
| R59xx | Translating Media                             | 5 | 20 |

**Students for the degree of MSc only:**

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| R59xx       | Dissertation / Translation Project | 5     | 60      |

**Examination, Progress and Final Assessment**

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. The final award will be based on performance in the examinations and coursework together with the dissertation where undertaken.

**Award**

9. **Degree of MSc:** In order to qualify for the degree of MSc in Applied Translation, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation or a translation/interpreting project R5904.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Translation, a candidate must have accumulated no fewer than 120 credits from the taught programme curriculum.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applied Translation, a candidate must have accumulated no fewer than 60 credits from the taught programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### CREATIVE WRITING

**Master of Letters in Creative Writing**  
**Postgraduate Diploma in Creative Writing**  
**Postgraduate Certificate in Creative Writing**

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MLitt, a first or second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
  - iii. be deemed, by the Programme Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.
  - iv. in addition, applicants will supply a preliminary portfolio of creative writing which will be assessed by members of the teaching team and will help to determine admission.

#### **Duration of Study**

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of study**

3. The programmes are available by full-time and part-time study.

#### **Curriculum**

4. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| CW907       | The Shape of Stories 1                                 | 5     | 20      |
| CW908       | The Shape of Stories 2                                 | 5     | 20      |
| CW909       | The Writing Life                                       | 5     | 20      |
| CW910       | The Made Project                                       | 5     | 20      |
| QQ939       | Research Skills in Literature, Culture & Communication | 5     | 20      |

## **Optional Modules**

20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                                   | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------------------|--------------|----------------|
| QQ903              | Narrative processing across Languages and Cultures                    | 5            | 20             |
| QQ988              | Contemporary Scottish Cultural Studies                                | 5            | 20             |
| QQ990              | Making and Unmaking British Literature 1880-1950                      | 5            | 20             |
| QQ901              | Transcultural Fandom and British Popular Culture                      | 5            | 20             |
| QQ981              | Fleshy Histories: Meat Eating and Meat Avoidance, 1500 to the Present | 5            | 20             |
| CW912              | The Writer's Studio                                                   | 5            | 20             |
| QQ994              | English and Creative Writing Research Placement                       | 5            | 20             |

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run

Such other Level 5 modules chosen from other programmes offered by the Department of Humanities or by another department in the University as may be approved by the Head of Department offering the module and the Programme Director of the programme on which the student is registered.

### **Students for the degree of MLitt only:**

| <b>Module Code</b> | <b>Module Title</b>              | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------|--------------|----------------|
| CW911              | The Major Project - Dissertation | <b>5</b>     | <b>60</b>      |

### **Examination, Progress and Final Assessment**

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
6. The final award will be based on performance in the summative assessment activities together with the dissertation where undertaken.

### **Award**

7. **Degree of MLitt:** In order to qualify for the degree of MLitt in Creative Writing, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation CW911.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Creative Writing, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Creative Writing, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### DIGITAL JOURNALISM

Master of Letters in Digital Journalism

Master of Letters in Digital Journalism with a specialisation in \*

Postgraduate Diploma in Digital Journalism

Postgraduate Diploma in Digital Journalism with a specialisation in \*

Postgraduate Certificate in Digital Journalism

\* Journalism, Ethics and Trauma

\* Political Communication

\* Health Communication

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:

#### MLitt Digital Journalism

#### Compulsory Modules

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| P3950       | Producing Media           | 5     | 20      |
| P3954       | Scots Law for Journalists | 5     | 20      |
| P3955       | Media Ethics              | 5     | 20      |
| P3958       | Multimedia Journalism     | 5     | 20      |

#### Optional Modules

No fewer than 40 credits chosen from:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                                            |   |    |
|-------|------------------------------------------------------------|---|----|
| P3983 | Entrepreneurial Journalism and Innovation                  | 5 | 20 |
| P3968 | Communication and Media Theory in an International Context | 5 | 20 |
| P3967 | From Broadcast to Participation: A History of Mediation    | 5 | 20 |
| P3970 | Strategic Communication                                    | 5 | 20 |
| P3964 | Digital Communication and Society                          | 5 | 20 |
| P3977 | Media and Health                                           | 5 | 20 |
| P3982 | Digital Skills for Media and Communication                 | 5 | 20 |

Such other Level 5 modules chosen from other programme offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director.  
*Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.*

### **Specialisations**

#### **Journalism, Ethics and Trauma**

#### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                              | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------|--------------|----------------|
| P3978              | Research Skills in Media and Communication       | 5            | 20             |
| P3981              | Advanced Topics in Journalism, Ethics and Trauma | 5            | 20             |
| P3955              | Media Ethics                                     | 5            | 20             |

#### **Optional Modules**

No fewer than 40 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------|--------------|----------------|
| P3950              | Producing Media                           | 5            | 20             |
| P3954              | Scots Law for Journalists                 | 5            | 20             |
| P3958              | Multimedia Journalism                     | 5            | 20             |
| P3983              | Entrepreneurial Journalism and Innovation | 5            | 20             |

No fewer than 20 credits chosen from other modules relating to ethics or trauma offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director.  
*Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.*

## Political Communication

### Compulsory Modules

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| P3978       | Research Skills in Media and Communication | 5     | 20      |
| P3979       | Advanced Topics in Communicating Politics  | 5     | 20      |
| P3964       | Digital Communication and Society          | 5     | 20      |

### Optional Modules

No fewer than 40 credits chosen from:

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| P3950       | Producing Media                           | 5     | 20      |
| P3954       | Scots Law for Journalists                 | 5     | 20      |
| P3958       | Multimedia Journalism                     | 5     | 20      |
| P3983       | Entrepreneurial Journalism and Innovation | 5     | 20      |

No fewer than 20 credits chosen from other modules relating to politics and communication offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director.

*Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.*

## Health Communication

### Compulsory Modules

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| P3978       | Research Skills in Media and Communication | 5     | 20      |
| P3980       | Advanced Topics in Health Communication    | 5     | 20      |
| P3977       | Media and Health                           | 5     | 20      |

### Optional Modules

No fewer than 40 credits chosen from:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                           |   |    |
|-------|-------------------------------------------|---|----|
| P3950 | Producing Media                           | 5 | 20 |
| P3954 | Scots Law for Journalists                 | 5 | 20 |
| P3958 | Multimedia Journalism                     | 5 | 20 |
| P3983 | Entrepreneurial Journalism and Innovation | 5 | 20 |

No fewer than 20 credits chosen from other modules relating to health and communication offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director.

*Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.*

#### **Students for the degree of MLitt only:**

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| P3928       | Dissertation            | 5     | 60      |
| Or          |                         |       |         |
| P3956       | Production Dissertation | 5     | 60      |

Students pursuing one of the named pathways must undertake their dissertation on the topic of the respective pathway. The P3956 Production Dissertation can only be taken if a student has passed the required prerequisite modules P3958 Multimedia Journalism and P3950 Producing Media.

#### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### **Award**

- Degree of MLitt:** In order to qualify for the degree of MLitt in Digital Journalism, candidates must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation P3928 or P3956.
- Degree of MLitt (named pathway):** In order to qualify for the degree of MLitt in Digital Journalism (named pathway), candidates must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation P3928 or P3956 and 60 must have been awarded in taught modules under the respective pathway.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Digital Journalism, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.



10. **Postgraduate Diploma (named pathway):** In order to qualify for the award of the Postgraduate Diploma in Digital Journalism (named pathway), a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme, 60 of which must have been awarded in taught modules under the respective pathway.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Digital Journalism, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## SCHOOL OF HUMANITIES

### DIPLOMACY AND INTERNATIONAL SECURITY

Master of Science in Diplomacy and International Security  
Postgraduate Diploma in Diplomacy and International Security  
Postgraduate Certificate in Diplomacy and International Security

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admissions

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in History, Politics, Law, Social Sciences, or a related discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by both full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| V1993       | Diplomacy: Evolution, Theory and Practice           | 5     | 20      |
| V1994       | Embassies in Crisis                                 | 5     | 20      |
| V1932       | Research Skills, Sources and Methods for Historians | 5     | 20      |

#### Optional Modules

No fewer than 60 credits to be chosen from the optional list below:

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| L2912       | International Institutions and Regimes | 5     | 20      |
| L2913       | European Political Economy             | 5     | 20      |

|       |                                                                             |   |    |
|-------|-----------------------------------------------------------------------------|---|----|
| L2914 | European Governance                                                         | 5 | 20 |
| L2916 | Comparative Public Policy                                                   | 5 | 20 |
| L2963 | Contemporary Security Challenges & Responses                                | 5 | 20 |
| L2962 | Contemporary International Relations                                        | 5 | 20 |
| M9809 | Conflict Resolutions & the State                                            | 5 | 20 |
| M9862 | International Migration Law                                                 | 5 | 20 |
| M9989 | Human Rights Protection in the UK                                           | 5 | 20 |
| M9990 | International Human Rights Law                                              | 5 | 20 |
| M9865 | Terrorism and the Law                                                       | 5 | 20 |
| M8913 | International Investment Law & Sustainable Development                      | 5 | 20 |
| M9810 | Mediation, Policy & the Law                                                 | 5 | 20 |
| M9873 | Oceans Governance & International Law                                       | 5 | 20 |
| M9939 | Negotiation                                                                 | 5 | 20 |
| V1974 | Nationalism and Nation-states in the Arab Middle East (1900 – 1945)         | 5 | 20 |
| V1912 | Britain, France and the USA (1945 – 1958): Diplomacy, Strategy and Alliance | 5 | 20 |
| V1996 | Diplomacy and Conflict Resolution in the Arab-Israeli Dispute (1947 – 1979) | 5 | 20 |
| V1999 | Red Continent: Africa and the Global Cold War                               | 5 | 20 |
| V1966 | Scotland and Ulster in the Early Modern North Atlantic World                | 5 | 20 |

Such other Level 5 modules up to a maximum of 20 credits offered by the Faculty of Humanities and Social Sciences as may be approved by the Head of School offering the module and the Programme Director of the programme on which the student is registered.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

**For the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| V1919       | Dissertation | 5     | 60      |

**Examination, progress and final assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in all elements of the summative assessment and the dissertation.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Diplomacy and International Security, a candidate must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the dissertation.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Diplomacy and International Security, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Diplomacy and International Security, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### HEALTH HISTORY

Master of Science in Health History  
Postgraduate Diploma in Health History  
Postgraduate Certificate in Health History

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admissions

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in History or a related discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by both full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum, as follows:

#### Compulsory Modules

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| V1932       | Research Skills, Sources and Methods for Historians | 5     | 20      |
| V1805       | Dissertation Preparation*                           | 5     | 20      |

\*For students undertaking MSc only

#### Optional Modules

Students must take a further 80 credits from the following:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| L5501       | Perspectives on Social Research | 5     | 20      |
| L2905       | Quantitative Methods            | 5     | 20      |

|       |                                                                       |   |    |
|-------|-----------------------------------------------------------------------|---|----|
| L2909 | Qualitative Methods                                                   | 5 | 20 |
| V1922 | Work and Occupational Health in the Twentieth Century                 | 5 | 20 |
| V1929 | Race, Ethnicity and Health in the 20 <sup>th</sup> Century America    | 5 | 20 |
| V1971 | Themes in the Health of History and Colonial Medicine in South Asia   | 5 | 20 |
| V1972 | Governing Highs and Health: History and the Control of Drugs          | 5 | 20 |
| V1975 | Pharmaceuticals, Ethics and Health (1800 – 1980)                      | 5 | 20 |
| V1979 | Food and Health in the West During the C20                            | 5 | 20 |
| V1981 | Medicine and Warfare (1800 – 2000)                                    | 5 | 20 |
| V1987 | Advanced Oral History                                                 | 5 | 20 |
| V1988 | Gender, Health and Modern Medicine                                    | 5 | 20 |
| V1991 | Medicine, Health and the Moving Image                                 | 5 | 20 |
| QQ981 | Fleshy Histories: Meat Eating and Meat Avoidance, 1500 to the Present | 5 | 20 |
| V1983 | Health and Healthcare in the long 19 <sup>th</sup> Century            | 5 | 20 |
| V1801 | History, Health and Heritage                                          | 5 | 20 |
| P3977 | Media and Health                                                      | 5 | 20 |
| V1992 | Work Placement in History                                             | 5 | 20 |

Please note that not all optional modules on this list will be available in each academic year.

Students can take 20 credits from the MSc in Historical Studies curriculum. Such other Level 5 modules up to a maximum of 20 credits offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director.

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| V1919       | Dissertation | 5     | 60      |

**Examination, progress and final assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. Progress between semesters may be dependent on satisfactory performance against prescribed criteria in the earlier part of the programme.
8. The final award will be based on performance in all elements of the coursework and the dissertation.

### **Award**

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Health History, a candidate must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the dissertation V1919.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Health History, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Health History, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### HISTORICAL STUDIES

**Master of Science in Historical Studies**  
**Postgraduate Diploma in Historical Studies**  
**Postgraduate Certificate in Historical Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admissions**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in History or a related discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by both full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

Students taking the **ESRC pathway** to Doctoral level must take the following compulsory modules:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| L2905       | Quantitative Methods            | 5     | 20      |
| L2909       | Qualitative Methods             | 5     | 20      |
| L5981       | Perspectives on Social Research | 5     | 20      |

#### **Optional Modules**

In addition, students taking the **ESRC pathway** to Doctoral level must take a further 60 credits from the following:



| Module Code | Module Title                                                                                           | Level | Credits |
|-------------|--------------------------------------------------------------------------------------------------------|-------|---------|
| V1965       | Palaeography, c.1500 – c.1800                                                                          | 5     | 20      |
| V1966       | Scotland and Ulster in the Early Modern North Atlantic World                                           | 5     | 20      |
| V1912       | Britain, France and the USA (1945 – 1958): Diplomacy, Strategy and Alliance                            | 5     | 20      |
| V1961       | Segregation, Migration and War: African Americans                                                      | 5     | 20      |
| V1968       | Transatlantic Influences: The United States and Europe After 1945                                      | 5     | 20      |
| V1922       | Work and Occupational Health in the Twentieth Century                                                  | 5     | 20      |
| V1974       | Nationalism and Nation-states in the Arab Middle East                                                  | 5     | 20      |
| V1977       | War, Sacrifice and the Nation in Europe (1789 – 1919)                                                  | 5     | 20      |
| V1987       | Advanced Oral History                                                                                  | 5     | 20      |
| V1989       | Scotland and the Reformation                                                                           | 5     | 20      |
| V1932       | Research Skills, Sources and Methods for Historians                                                    | 5     | 20      |
| V1948       | Major Themes in Twentieth-Century Canada                                                               | 5     | 20      |
| V1943       | Transnational Radicalism and the Irish World (1845 – 1923)                                             | 5     | 20      |
| V1908       | Plantations by Land and Sea: British imperial projects in the Atlantic and Indian Oceans, c. 1590-1720 | 5     | 20      |
| V1996       | Diplomacy and Conflict Resolution in the Arab-Israeli Dispute                                          | 5     | 20      |
| V1999       | Red Continent: Africa and the Global Cold War                                                          | 5     | 20      |
| V1992       | Work Placement in History                                                                              | 5     | 20      |
| V1998       | Setting Europe Ablaze: Resistance Movements in the Second World War                                    | 5     | 20      |
| V1802       | Ireland, Colonialism and Anti-colonialism                                                              | 5     | 20      |

**Students not taking the ESRC pathway to Doctoral level must take the following compulsory module(s):**

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| V1932       | Research Skills, Sources and Methods for Historians | 5     | 20      |
| V1805       | Dissertation Preparation*                           | 5     | 20      |

\*For students undertaking MSc only

### **Optional Modules**

Students must take a further 80 credits (MSc) or 100 credits (PGDip) from the following:

| <b>Module Code</b> | <b>Module Title</b>                                                                                    | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------------------------------------------------------------|--------------|----------------|
| L5981              | Perspective on Social Research                                                                         | 5            | 20             |
| L2905              | Quantitative Methods                                                                                   | 5            | 20             |
| L2909              | Qualitative Methods                                                                                    | 5            | 20             |
| V1965              | Palaeography, c.1500 – c.1800                                                                          | 5            | 20             |
| V1966              | Scotland and Ulster in the Early Modern North Atlantic World                                           | 5            | 20             |
| V1912              | Britain, France and the USA (1945 – 1958): Diplomacy, Strategy and Alliance                            | 5            | 20             |
| V1961              | Segregation, Migration and War: African Americans                                                      | 5            | 20             |
| V1968              | Transatlantic Influences: The United States and Europe After 1945                                      | 5            | 20             |
| V1922              | Work and Occupational Health in the Twentieth Century                                                  | 5            | 20             |
| V1974              | Nationalism and Nation-states in the Arab Middle East                                                  | 5            | 20             |
| V1977              | War, Sacrifice and the Nation in Europe (1789 – 1919)                                                  | 5            | 20             |
| V1987              | Advanced Oral History                                                                                  | 5            | 20             |
| V1989              | Scotland and the Reformation                                                                           | 5            | 20             |
| V1948              | Major Themes in Twentieth-Century Canada                                                               | 5            | 20             |
| V1943              | Transnational Radicalism and the Irish World (1845 – 1923)                                             | 5            | 20             |
| V1908              | Plantations by Land and Sea: British imperial projects in the Atlantic and Indian Oceans, c. 1590-1720 | 5            | 20             |
| V1996              | Diplomacy and Conflict Resolution in the Arab-Israeli Dispute                                          | 5            | 20             |
| V1999              | Red Continent: Africa and the Global Cold War                                                          | 5            | 20             |
| V1992              | Work Placement in History                                                                              | 5            | 20             |
| V1998              | Setting Europe Ablaze: Resistance Movements in the Second World War                                    | 5            | 20             |
| V1802              | Ireland, Colonialism and Anti-colonialism                                                              | 5            | 20             |

Please note that not all optional modules on this list will be available in each academic year. Students can take 20 credits from the MSc in Health History curriculum. Such other Level 5 modules up to a maximum of 20 credits as may be approved by the Head of Department

offering the module and the Programme Director of the programme on which the student is registered.

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| V1919       | Dissertation | 5     | 60      |

**Examination, progress and final assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the programme.
8. The final award will be based on performance in all elements of the coursework and the dissertation.

**Award**

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Historical Studies, a candidate must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the dissertation V1919.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Historical Studies, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
11. **Postgraduate Certificate in Historical Studies:** In order to qualify for the award of the Postgraduate Certificate in Historical Studies, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme including V1932 Research skills, sources and methods for Historians.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### INTERDISCIPLINARY ENGLISH STUDIES

Master of Letters in Interdisciplinary English Studies  
Postgraduate Diploma in Interdisciplinary English Studies  
Postgraduate Certificate in Interdisciplinary English Studies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

3. In accordance with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Mode of Study

4. The programmes are available by full-time study and by part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| QQ939       | Research Skills in Literature, Culture & Communication | 5     | 20      |

#### Optional Modules

Students for the degree of Postgraduate Certificate in addition will undertake 40 credits from the following list of optional modules.

Students for the degree of MLitt and Postgraduate Diploma in addition will undertake 100 credits from the following list of optional modules.

| Module Code | Module Title                                         | Level | Credits |
|-------------|------------------------------------------------------|-------|---------|
| QQ987       | Advanced Topics in Interdisciplinary English Studies | 5     | 20      |
| QQ979       | English Studies Research Placement                   | 5     | 20      |
| QQ976       | Introduction to Intercultural Communication          | 5     | 20      |

|       |                                                                      |   |    |
|-------|----------------------------------------------------------------------|---|----|
| QQ903 | Narrative Processing Across Languages and Cultures                   | 5 | 20 |
| QQ988 | Contemporary Scottish Cultural Studies                               | 5 | 20 |
| QQ902 | Global Queers: Travel Writing and Sexual Politics                    | 5 | 20 |
| QQ901 | Transcultural Fandom and British Popular Culture                     | 5 | 20 |
| QQ985 | Visions of Suburbia, Interdisciplinary Representations, 1850-Present | 5 | 20 |
| QQ981 | Fleshy Histories: Meat Eating and Meat Avoidance (1500 – Present)    | 5 | 20 |
| QQ993 | Queer and Anticolonial Health                                        | 5 | 20 |

Such other Level 5 modules up to a maximum of 20 credits offered by the Faculty of Humanities and Social Sciences as may be approved by the Head of Department offering the module and the Programme Director of the programme on which the student is registered.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

**Students for the degree of MLitt only:**

| Module Code | Module Title                                      | Level | Credits |
|-------------|---------------------------------------------------|-------|---------|
| QQ980       | Dissertation in Interdisciplinary English Studies | 5     | 60      |

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

**Award**

- Degree of MLitt in Interdisciplinary English Studies:** In order to qualify for the award of the degree of MLitt in Interdisciplinary English Studies the candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Interdisciplinary English Studies a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Interdisciplinary English Studies a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF HUMANITIES

### MEDIA AND COMMUNICATION

**Master of Letters in Media and Communication**

**Master of Letters in Media and Communication with a specialisation in \***

**Postgraduate Diploma in Media and Communication**

**Postgraduate Diploma in Media and Communication with a specialisation in \***

**Postgraduate Certificate in Media and Communication**

**\* Political Communication**

**\* Journalism, Ethics and Trauma**

**\* Health Communication**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in an appropriate discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by both full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                               | Level | Credits |
|-------------|------------------------------------------------------------|-------|---------|
| P3968       | Communication and Media Theory in an International Context | 5     | 20      |
| P3967       | From Broadcast to Participation: A History of Mediation    | 5     | 20      |
| P3970       | Strategic Communication                                    | 5     | 20      |
| P3978       | Research Skills in Media and Communication                 | 5     | 20      |

### **Optional Modules**

No fewer than 40 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------|--------------|----------------|
| P3964              | Digital Communication and Society         | 5            | 20             |
| P3955              | Media Ethics                              | 5            | 20             |
| P3965              | Individual Project with Client            | 5            | 20             |
| P3982              | Digital Skills in Media and Communication | 5            | 20             |

Such other Level 5 modules chosen from other programmes offered by the Department of Humanities or by another Department in the University as may be approved by the Head of Department offering the module and the Programme Director of the programme on which the student is registered. Not all optional modules on this list will be available in each academic year.

### **Specialisations**

#### **Political Communication**

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                         | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------|--------------|----------------|
| P3978              | Research Skills in Media and Communication  | 5            | 20             |
| P3964              | Digital Communication and Society           | 5            | 20             |
| PXXXX              | Advanced Readings in Communicating Politics | 5            | 20             |

### **Optional Modules**

No fewer than 40 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                        | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------------------|--------------|----------------|
| P3968              | Communication and Media Theory in an International Context | 5            | 20             |
| P3967              | From Broadcast to Participation: A History of Mediation    | 5            | 20             |
| P3970              | Strategic Communication                                    | 5            | 20             |
| P3982              | Digital Skills in Media and Communication                  | 5            | 20             |

No fewer than 20 credits chosen from other modules relating to politics and communication offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director, including P3965 Individual Project with Client. Not all optional modules on this list will be available in each academic year.

## **Journalism, Ethics and Trauma**

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                                | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------|--------------|----------------|
| P3978              | Research Skills in Media and Communication         | 5            | 20             |
| P3955              | Media Ethics                                       | 5            | 20             |
| PXXXX              | Advanced Readings in Journalism, Ethics and Trauma | 5            | 20             |

### **Optional Modules**

No fewer than 40 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                        | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------------------|--------------|----------------|
| P3968              | Communication and Media Theory in an International Context | 5            | 20             |
| P3967              | From Broadcast to Participation: A History of Mediation    | 5            | 20             |
| P3970              | Strategic Communication                                    | 5            | 20             |
| P3965              | Individual Project with Client                             | 5            | 20             |
| P3982              | Digital Skills in Media and Communication                  | 5            | 20             |

No fewer than 20 credits chosen from other modules relating to ethics or trauma offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director. Not all optional modules on this list will be available in each academic year.

## **Health Communication**

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                        | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------|--------------|----------------|
| P3978              | Research Skills in Media and Communication | 5            | 20             |
| P3977              | Media and Health                           | 5            | 20             |



|       |                                           |   |    |
|-------|-------------------------------------------|---|----|
| PXXXX | Advanced Readings in Health Communication | 5 | 20 |
|-------|-------------------------------------------|---|----|

### **Optional Modules**

No fewer than 40 credits chosen from:

| Module Code | Module Title                                               | Level | Credits |
|-------------|------------------------------------------------------------|-------|---------|
| P3968       | Communication and Media Theory in an International Context | 5     | 20      |
| P3967       | From Broadcast to Participation: A History of Mediation    | 5     | 20      |
| P3970       | Strategic Communication                                    | 5     | 20      |
| P3965       | Individual Project with Client                             | 5     | 20      |
| P3982       | Digital Skills in Media and Communication                  | 5     | 20      |

No fewer than 20 credits chosen from other modules relating to health and communication offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director. Not all optional modules on this list will be available in each academic year.

### **Students for the degree of MLitt only:**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| P3966       | Communication and Media Dissertation | 5     | 60      |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the coursework together with the dissertation where undertaken.

### **Award**

- Degree of MLitt:** In order to qualify for the degree of MLitt in Media and Communication, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.
- Degree of MLitt with a specialisation in \*:** In order to qualify for the degree of MLitt in Media and Communication (named pathway), a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation and 60 must have been awarded in taught modules under the respective pathway.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Media and Communication, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.

11. **Postgraduate Diploma with a specialisation in \*** : In order to qualify for the award of the Postgraduate Diploma in Media and Communication (named pathway), a candidate must have accumulated no fewer than 120 credits from the programme curriculum, 60 of which must have been awarded in taught modules under the respective pathway.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Media and Communication, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### COMPETITION LAW

Master of Laws (LLM) in Competition Law with specialisation in\*  
Postgraduate Diploma in Competition Law with specialisation in\*  
Postgraduate Certificate in Competition Law

\*Private Enforcement

\*Digital Economy

\*Competition Law and the State

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Place of Study

4. The programmes are taught on campus.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title    | Level | Credits |
|-------------|-----------------|-------|---------|
| M9930       | Legal Research  | 5     | 20      |
| M9894       | Competition Law | 5     | 20      |

#### Specialisation in Private Enforcement

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| M9896       | Competition Law and Private Enforcement | 5     | 20      |

#### Specialisation in Digital Economy

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                         |   |    |
|-------|-----------------------------------------|---|----|
| M9895 | Competition Law and the Digital Economy | 5 | 20 |
|-------|-----------------------------------------|---|----|

### **Specialisation in Competition Law and the State**

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| M9897       | Competition Law and the State | 5     | 20      |

### **Optional Modules**

Students must select at least 60 credits from the list below:

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| M8909       | The Law of International Business       | 5     | 20      |
| M8912       | Financial Regulation and Compliance     | 5     | 20      |
| M9884       | Financial Crime and Sanctions           | 5     | 20      |
| M9920       | The Law of the World Trade Organisation | 5     | 20      |
| M9922       | Business and Human Rights               | 5     | 20      |
| M9941       | Intellectual Property                   | 5     | 20      |
| M9944       | E-Commerce                              | 5     | 20      |
| M9868       | Cybercrime and Society                  | 5     | 20      |
| M9829       | Privacy, Crime and Security             | 5     | 20      |
| M9975       | Telecommunications law                  | 5     | 20      |
| M9708       | Human Rights & Digital Technologies     | 5     | 20      |

Not all optional modules on this list will be available in each academic year. Please check your Programme handbook for confirmation of which optional modules will run.

Any other Level 5 modules up to a maximum of 20 credits chosen from other programmes offered by the University as may be approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered.

### **Students for the degree of LLM only:**

| Module Code | Module Title  | Level | Credits |
|-------------|---------------|-------|---------|
| M9863       | Dissertation* | 5     | 60      |

\*The Dissertation shall be selected and approved in relation to one of the three specialist areas, leading to an award of Specialisation in that area: Private Enforcement, Digital Economy or

Competition Law and the State.

### **Progress**

6. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#). shall apply

### **Award**

7. **Degree of LLM:** In order to qualify for the award of LLM in Competition Law with specialisation in Private Enforcement or LLM in Competition Law with specialisation in Digital Economy or LLM in Competition Law with specialisation in Competition Law and the State, a candidate must have accumulated no fewer than 180 credits at Level 5, of which 60 must have been awarded in respect of the dissertation M9863.
8. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Competition Law with specialisation in Private Enforcement or Postgraduate Diploma in Competition Law with specialisation in Digital Economy or Postgraduate Diploma in Competition Law with specialisation in Competition Law and the State, a candidate must have accumulated no fewer than 120 credits of taught modules from the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Competition Law, a candidate must have accumulated no fewer than 60 credits of taught modules from the programme curriculum, consisting of 40 credits from the compulsory modules, and 20 credits from the Specialisation modules.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### CONSTRUCTION LAW

Master of Laws in Construction Law  
Master of Laws in Construction Law (online)  
Postgraduate Diploma in Construction Law  
Postgraduate Certificate in Construction Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Full Time

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Part Time

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Part Time (Accelerated)

5. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the minimum period of study for part-time (accelerated) study shall be as follows:

- i. Masters 12 months
- ii. PG Diploma 10 months

6. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the maximum period of study for part-time (accelerated) study shall be as follows:

- i. Masters 24 months
- ii. PG Diploma 20 months

#### Mode of Study

7. The programmes are available by full-time, part-time or online study.

#### Curriculum

8. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LLM no fewer than 180 credits including a 60 credit project module

#### Compulsory Modules

##### Attending

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                             |   |    |
|-------|---------------------------------------------|---|----|
| M9965 | The Law of the Construction Industry        | 5 | 20 |
| M9985 | Law and Practice of Construction Management | 5 | 20 |
| M9967 | Dispute Resolution                          | 5 | 20 |

#### Online

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| M7906       | The Law of the Construction Industry        | 5     | 20      |
| M7902       | Law and Practice of Construction Management | 5     | 20      |
| M7905       | Dispute Resolution                          | 5     | 20      |

#### For Candidates without a Law degree - Attending

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| M9983       | Legal Process and the Law of Contracts and other Obligations | 5     | 20      |

#### Online

| Module Code | Module Title                                                              | Level | Credits |
|-------------|---------------------------------------------------------------------------|-------|---------|
| M7903       | Legal Process and the Law of Contracts and other Obligations              | 5     | 20      |
| Or          |                                                                           |       |         |
| M7919       | Legal Process and the Law of Contracts and other Obligations (Online Jan) | 5     | 20      |

Or

#### For Candidates with a Law degree - Attending

| Module Code | Module Title                | Level | Credits |
|-------------|-----------------------------|-------|---------|
| M9902       | The Context of Construction | 5     | 20      |

#### Online

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| M7901       | The Context of Construction (online) | 5     | 20      |

#### Optional Modules

40 credits chosen from:

#### Attending

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| M9939       | Negotiation  | 5     | 20      |

|       |                       |   |    |
|-------|-----------------------|---|----|
| M9938 | Mediation in Practice | 5 | 20 |
| M8902 | Arbitration Law       | 5 | 20 |

#### Online

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| M7904       | Arbitration (online)           | 5     | 20      |
| M9874       | Negotiation (online)           | 5     | 20      |
| M9876       | Mediation in Practice (online) | 5     | 20      |

Not all optional modules on these lists will be available in each academic year.

Students may alternatively undertake other 20-credit modules (suitable to the mode of learning) from the Strathclyde Law School's LLM module portfolio and may apply to take one relevant 20-credit module from another Department or Faculty, in place of the 20-credit optional modules listed above (subject to approval by the Programme Director).

#### Students for the degree of LLM only:

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| M9863       | LLM Dissertation           | 5     | 60      |
| M7936       | Enhanced Research Proposal | 5     | 60      |
| M7938       | Professional Project*      | 5     | 60      |
| M7939       | Professional Internship*   | 5     | 60      |

\* Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

#### Examination, Progress and Final Assessment

9. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Progress of Part-time students

10. Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

11. **Degree of LLM:** In order to qualify for the award of LLM in Construction Law, a candidate must have accumulated no fewer than 180 credits, including all taught compulsory modules from the programme curriculum of which 60 credits must have been awarded in respect of one of the 60 credit modules listed above.

12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Construction Law, a candidate must have accumulated no fewer than 120 taught credits, including all taught compulsory modules from the programme curriculum.

13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certification in Construction Law, a candidate must have accumulated no fewer than 60 taught credits including all taught compulsory modules from the programme curriculum.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### CRIMINAL JUSTICE & PENAL CHANGE

Master of Laws in Criminal Justice & Penal Change  
Master of Science in Criminal Justice & Penal Change  
Postgraduate Diploma in Criminal Justice & Penal Change  
Postgraduate Diploma in Law  
Postgraduate Certificate in Criminal Justice & Penal Change  
Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by both part-time and full-time study. Both the LLM, the MSc and the Postgraduate Diploma are also available by part-time (accelerated) study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LLM or MSc no fewer than 180 credits including a 60 credit module.

#### Compulsory Modules

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| M9843       | Justice and Penal Decision-Making        | 5     | 20      |
| M9845       | Punishment and Processes of Penal Change | 5     | 20      |

#### Optional Modules

No fewer than 80 credits including at least 20 credits from either List A (LLM pathway) or List B (MSc pathway):

##### List A

| Module Code | Module Title        | Level | Credits |
|-------------|---------------------|-------|---------|
| M9838       | Childhood and Crime | 5     | 20      |
| M9842       | Restorative Justice | 5     | 20      |
| M9846       | Homicide            | 5     | 20      |

|       |                                                                 |   |    |
|-------|-----------------------------------------------------------------|---|----|
| M9892 | International Criminal Justice                                  | 5 | 20 |
| M7907 | Law Work Placement – Legal Learning in a Work Based Environment | 5 | 20 |

#### List B

| Module Code | Module Title                                                    | Level | Credits |
|-------------|-----------------------------------------------------------------|-------|---------|
| M9840       | Offender Supervision & Management                               | 5     | 20      |
| M9842       | Restorative Justice                                             | 5     | 20      |
| M9839       | Surveillance, Technology and Crime Control                      | 5     | 20      |
| M7907       | Law Work Placement – Legal Learning in a Work Based Environment | 5     | 20      |

Not all optional modules on these lists will be available in each academic year.

Any such other Level 5 modules up to a maximum of 40 credits chosen from other programme offered by the University as may be approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered.

#### Students for the degree of LLM only

Must undertake 60 credits chosen from:

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MXXXX       | LLM Dissertation           | 5     | 60      |
| MXXXX       | Professional Internship*   | 5     | 60      |
| MXXXX       | Professional Project*      | 5     | 60      |
| MXXXX       | Enhanced Research Proposal | 5     | 60      |

#### Students for the degree of MSc only

Must undertake 60 credits chosen from:

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MXXXX       | MSc Dissertation           | 5     | 60      |
| MXXXX       | Professional Internship*   | 5     | 60      |
| MXXXX       | Professional Project*      | 5     | 60      |
| MXXXX       | Enhanced Research Proposal | 5     | 60      |

\*Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

### **Progress**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
6. Part-time students for the degree of LLM or MSc or Postgraduate Diploma shall normally require 40 credits to progress to year two.

### **Award**

7. **LLM / MSc:** In order to qualify for the award of the MSc or LLM in Criminal Justice and Penal Change, a candidate must have accumulated no fewer than 180 credits, including all taught compulsory modules from the programme curriculum and one of the 60 credit modules noted in paragraph 4 above.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Criminal Justice and Penal Change, a candidate must have accumulated no fewer than 120 credits, including all taught compulsory modules from the programme curriculum.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Criminal Justice and Penal Change, a candidate must have accumulated no fewer than 60 credits from the taught modules including taught compulsory modules from the programme curriculum.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### GLOBAL ENVIRONMENTAL LAW AND GOVERNANCE

Master of Laws in Global Environmental Law and Governance

Master of Laws in Global Environmental Law and Governance with a Specialisation in Ocean Law

Postgraduate Diploma in Global Environmental Law and Governance

Postgraduate Diploma in Global Environmental Law and Governance with a Specialisation in Ocean Law

Postgraduate Diploma in Law

Postgraduate Certificate in Global Environmental Law and Governance

Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time or part-time study.

#### Place of Study

4. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules for all students

| Module Code | Module Title                                                  | Level | Credits |
|-------------|---------------------------------------------------------------|-------|---------|
| M7931       | Public International Law and the Environment                  | 5     | 20      |
| M7930       | Environmental Treaties: Fragmentation and Regime Interactions | 5     | 20      |
| M9867       | Global Environmental Law: Issues of Equity and Sustainability | 5     | 20      |

#### For the specialisation in Ocean Law

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| M9873       | Oceans Governance and International Law | 5     | 20      |
| M8920       | Fisheries Law and Sustainability        | 5     | 20      |

#### Optional Modules

No fewer than 60 credits (20 credits for those undertaking the specialisation in Ocean Law) chosen from:

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| M9873       | Oceans, Governance and International Law                 | 5     | 20      |
| M8920       | Fisheries Law and Sustainability                         | 5     | 20      |
| M7929       | Blue Economy and International Law                       | 5     | 20      |
| M9870       | EU Environmental Law                                     | 5     | 20      |
| M8914       | International Climate Change Law                         | 5     | 20      |
| M9862       | International Migration Law                              | 5     | 20      |
| M9922       | Business and Human Rights                                | 5     | 20      |
| M9920       | The Law of the World Trade Organisation                  | 5     | 20      |
| M9990       | International Human Rights Law                           | 5     | 20      |
| M8913       | International Investment Law and Sustainable Development | 5     | 20      |
| M9986       | European Human Rights Law                                | 5     | 20      |
| M9XXX       | PGT Law Work Placement                                   | 5     | 20      |

Not all optional modules on this list will be available in each academic year.

### Students for the degree of LLM only

Must undertake 60 credits chosen from:

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MXXXX       | LLM Dissertation           | 5     | 60      |
| MXXXX       | Professional Internship*   | 5     | 60      |
| MXXXX       | Professional Project*      | 5     | 60      |
| MXXXX       | Enhanced Research Proposal | 5     | 60      |

\* Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

## **Award**

8. **Degree of LLM in Global Environmental Law and Governance:** In order to qualify for the award of LLM in Global Environmental Law and Governance, a candidate must normally have accumulated no fewer than 180 credits including all taught compulsory modules from the programme curriculum including one of the 60 credit modules listed above.
9. **Degree of LLM in Global Environmental Law and Governance with a Specialisation in Ocean Law:** In order to qualify for the award of LLM in Global Environmental Law and Governance with a Specialisation in Ocean Law, a candidate must normally have accumulated no fewer than 180 credits including all taught compulsory modules from the programme curriculum including one of the 60 credit modules listed above.
10. **Postgraduate Diploma in Global Environmental Law and Governance:** In order to qualify for the award of the Postgraduate Diploma in Global Environmental Law and Governance, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum including all taught compulsory modules.
11. **Postgraduate Diploma in Global Environmental Law and Governance with a Specialisation in Ocean Law:** In order to qualify for the award of the Postgraduate Diploma in Global Environmental Law and Governance with a Specialisation in Ocean Law, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum including all taught compulsory modules.
12. **Postgraduate Diploma in Law:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
13. **Postgraduate Certificate in Global Environment Law and Governance:** In order to qualify for the award of the Postgraduate Certificate in Global Environmental Law and Governance, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum, including taught compulsory modules.
14. **Postgraduate Certificate in Law:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### HUMAN RIGHTS LAW

Master of Laws in Human Rights Law  
Postgraduate Diploma in Human Rights Law  
Postgraduate Diploma in Law  
Postgraduate Certificate in Human Rights Law  
Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study. Both the LLM and the Postgraduate Diploma are available by part-time (accelerated) study.

#### Place of Study

4. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LLM no fewer than 180 credits including one 60 credit module.

#### Optional Modules

120 credits from the list below:

| Module Code | Module Title                                                   | Level | Credits |
|-------------|----------------------------------------------------------------|-------|---------|
| M9990       | International Human Rights Law                                 | 5     | 20      |
| M9986       | European Human Rights Law                                      | 5     | 20      |
| M9989       | Human Rights Protection in the UK                              | 5     | 20      |
| M9862       | International Migration Law                                    | 5     | 20      |
| M9922       | Business and Human Rights                                      | 5     | 20      |
| M7909       | Children's Human Rights                                        | 5     | 20      |
| M7907       | Law Work Placement: Legal Learning in a Work Based Environment | 5     | 20      |

|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| M7908 | Human Rights and Digital Technologies | 5 | 20 |
|-------|---------------------------------------|---|----|

Not all optional modules on the above list will be available in each academic year.

Students may undertake other Level 5 20-credit modules from Strathclyde Law School's LLM module portfolio up to a maximum of 40 of 120 credits. Students may apply to take one relevant Level 5 20-credit module from another Department or Faculty, in place of the 20-credit optional modules listed above, with approval from the Programme Leader of the programme on which the student is registered.

### Students for the degree of LLM only

Must undertake 60 credits chosen from:

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MXXXX       | LLM Dissertation           | 5     | 60      |
| MXXXX       | Professional Internship*   | 5     | 60      |
| MXXXX       | Professional Project*      | 5     | 60      |
| MXXXX       | Enhanced Research Proposal | 5     | 60      |

\* Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to Year Two.

### Award

- Degree of LLM:** In order to qualify for the award of LLM in Human Rights Law, a candidate must have accumulated no fewer than 180 credits, including 120 taught credits and one 60 credit module as detailed in Regulation 5.
- Postgraduate Diploma in Human Rights Law:** In order to qualify for the award of the Postgraduate Diploma in Human Rights Law, a candidate must have accumulated no fewer than 120 taught credits, from the modules detailed in Regulation 5 above.
- Postgraduate Diploma in Law:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
- Postgraduate Certificate in Human Rights Law:** In order to qualify for the award of the Postgraduate Certificate in Human Rights Law, a candidate must have accumulated no fewer than 60 taught credits from the modules detailed in Regulation 5 above.
- Postgraduate Certificate in Law:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### INFORMATION TECHNOLOGY AND TELECOMMUNICATIONS LAW

Master of Laws in Information Technology and Telecommunications Law  
Postgraduate Diploma in Information Technology and Telecommunications Law  
Postgraduate Diploma in Law  
Postgraduate Certificate in Information Technology and Telecommunications Law  
Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study and by distance learning.

#### Curriculum

4. All students on the attending pathway shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LLM no fewer than 180 credits including a dissertation

#### Compulsory Modules

| Module Code | Module Title           | Level | Credits |
|-------------|------------------------|-------|---------|
| M9975       | Telecommunications Law | 5     | 20      |

#### Optional Modules\* \*\*

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| M9895       | Competition Law and the Digital Economy       | 5     | 20      |
| M9944       | E-Commerce Law                                | 5     | 20      |
| M9941       | Intellectual Property Law                     | 5     | 20      |
| M8915       | Cybercrime and Society                        | 5     | 20      |
| M9868       | Cybercrime and Society (Distance Learning)    | 5     | 20      |
| M9869       | Intellectual Property Law (Distance Learning) | 5     | 20      |
| M9XXX       | PGT Law Work Placement                        | 5     | 20      |

Not all optional modules on this list will be available in each academic year.

\* For students on the distance learning pathway the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply and not all optional modules will be available.

\*\* For attending students only. Any such other Level 5 modules up to a maximum of 20 credits chosen from other modules offered by the University as may be approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered.

**Students for the Postgraduate Diploma and degree of LLM only:**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| M9930       | Legal Research | 5     | 20      |

**Students for degree of LLM only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| M9863       | Dissertation | 5     | 60      |

**Progress**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

**Award**

7. **Degree of LLM:** In order to qualify for the award of LLM in Information Technology and Telecommunications Law, a candidate must have accumulated no fewer than 180 credits, including all taught compulsory modules of the programme curriculum of which 60 must have been awarded in respect of the dissertation M9863.
8. **Postgraduate Diploma in Information Technology and Telecommunications Law:** In order to qualify for the award of the Postgraduate Diploma in Information Technology and Telecommunications Law, a candidate must have accumulated no fewer than 120 taught credits, including all taught compulsory modules of the programme curriculum.
9. **Postgraduate Diploma in Law:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
10. **Postgraduate Certificate in Information Technology and Telecommunication Law:** In order to qualify for the award of the Postgraduate Certificate in Information Technology and Telecommunications Law, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.
11. **Postgraduate Certificate in Law:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### INTERNATIONAL COMMERCIAL LAW

Master of Laws in International Commercial Law

Master of Laws in International Commercial Law with a specialisation in Financial Regulation

Postgraduate Diploma in International Commercial Law

Postgraduate Diploma in International Commercial Law with a specialisation in Financial Regulation

Postgraduate Diploma in Law

Postgraduate Certificate in International Commercial Law

Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. This programme is available by full-time and part-time study.

#### Curriculum

4. All students on the attending pathway shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LLM no fewer than 180 credits including a 60 credit module

#### **Compulsory Modules – All Students**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| M8909       | The Law of International Business   | 5     | 20      |
| M7928*      | Law of the World Trade Organisation | 5     | 20      |

#### **For a specialisation in Financial Regulation**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| M8912       | Financial Regulation and Compliance | 5     | 20      |
| M9884       | Financial Crime and Sanctions       | 5     | 20      |

#### **Optional Modules \*\***

**International Commercial Law**

No fewer than 80 credits selected from the list below.

**Specialisation in Financial Regulation**

No fewer than 40 credits selected from the list below.

| <b>Module Code</b> | <b>Module Title</b>                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------|--------------|----------------|
| M9923              | Competition Law of the UK and EU          | 5            | 20             |
| M8912              | Financial Regulation and Compliance       | 5            | 20             |
| M9941              | Intellectual Property Law                 | 5            | 20             |
| M9884              | Financial Crime and Sanctions             | 5            | 20             |
| M9922              | Business and Human Rights                 | 5            | 20             |
| M9944              | E-Commerce                                | 5            | 20             |
| M9939              | Negotiation                               | 5            | 20             |
| M8913              | International Investment Law              | 5            | 20             |
| M7933              | Antitrust Law                             | 5            | 20             |
| M9896              | Competition Law and Private Enforcement   | 5            | 20             |
| M7934              | Antitrust Law and the Digital Economy     | 5            | 20             |
| M9897              | Competition Law and the State             | 5            | 20             |
| M7908              | Human Rights and Digital Technologies     | 5            | 20             |
| M9921              | International Environmental Law I         | 5            | 20             |
| M8914              | International Climate Change Law          | 5            | 20             |
| M9990              | International Human Rights Law            | 5            | 20             |
| M9986              | European Human Rights Law                 | 5            | 20             |
| M9871              | International Environmental Law II        | 5            | 20             |
| M9867              | Global Environmental Law                  | 5            | 20             |
| M9873              | International Law and Oceans Governance   | 5            | 20             |
| M9862              | International Migration Law               | 5            | 20             |
| M9989              | Human Rights Protection in the UK         | 5            | 20             |
| MXXXX              | Coding for Lawyers and Legal Applications | 5            | 20             |

|        |                                                                    |   |    |
|--------|--------------------------------------------------------------------|---|----|
| MXXXX  | Statistics and Machine Learning for Lawyers and Legal Applications | 5 | 20 |
| MXXXX  | Regulating Technology                                              | 5 | 20 |
| MXXXX  | Innovation and Leadership                                          | 5 | 20 |
| MXXXX  | Cybercrime, Cybersecurity and Anti-Theft Law                       | 5 | 20 |
| MXXXX  | Intellectual Property, Commerce and Innovation                     | 5 | 20 |
| MXXXXX | Law, Power and Accountability in the Algorithmic Society           | 5 | 20 |
| MXXXX  | Law and Economics for Digital Markets                              | 5 | 20 |

Not all optional modules on this list will be available in each academic year.

\* Students who have previously studied the level 4 module Legal Aspects of International Trade (M9417) may, at the discretion of the Programme Leader, substitute M7928 for another 20 credit module within the Optional Modules listed above.

\*\* In place of a 20 credit module selected from the optional modules listed above, students on the LLM or Postgraduate Diploma may elect to take any Level 5 modules up to a maximum of 20 credits chosen from other programmes offered by the University as may be approved by the relevant Programme Leaders.

### Students for the degree of LLM only

Must undertake 60 credits chosen from:

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MXXXX       | LLM Dissertation           | 5     | 60      |
| MXXXX       | Enhanced Research Proposal | 5     | 60      |
| MXXXX       | Professional Project*      | 5     | 60      |
| MXXXX       | Professional Internship*   | 5     | 60      |

\*Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

### Examination, Progress and Final Assessment

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

### Progress of Part-time students

6. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

### Award

7. **Degree of LLM:** In order to qualify for the award of LLM in International Commercial Law, a candidate must have accumulated no fewer than 180 credits, which must include all the taught compulsory modules of the programme curriculum and one of the 60 credit modules.

8. **Degree of LLM with specialisation in Financial Regulation:** In order to qualify for the award of LLM in International Commercial Law with a specialisation in Financial Regulation, a candidate must have accumulated no fewer than 180 credits, which must include all the taught compulsory modules of the programme curriculum and one of the 60 credit modules.
9. **Postgraduate Diploma in International Commercial Law:** In order to qualify for the award of the Postgraduate Diploma in International Commercial Law, a candidate must have accumulated no fewer than 120 taught credits, including all taught compulsory modules of the programme curriculum.
10. **Postgraduate Diploma in International Commercial Law with specialisation in Financial Regulation:** In order to qualify for the award of the Postgraduate Diploma in International Commercial Law with a specialisation in Financial Regulation, a candidate must have accumulated no fewer than 120 taught credits, including all taught compulsory modules of the programme curriculum.
11. **Postgraduate Diploma in Law:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
12. **Postgraduate Certificate in International Commercial Law:** In order to qualify for the award of the International Commercial Law, a candidate must have accumulated no fewer than 60 taught credits including compulsory modules from the programme curriculum.
13. **Postgraduate Certificate in Law:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### LAW

#### Master of Laws

#### Postgraduate Diploma in Law

#### Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. This programme is available by full-time and part-time study.

#### Curriculum

4. All students on the attending pathway shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LLM no fewer than 180 credits including a 60 credit module

#### Optional Modules

120 Credits from the list below:

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| M9944       | E-Commerce                                                   | 5     | 20      |
| M9870       | EU Environmental Law I                                       | 5     | 20      |
| M9872       | EU Environmental Law II                                      | 5     | 20      |
| M9983       | Legal Process and the Law of Contracts and Other Obligations | 5     | 20      |
| M9975       | Telecommunications Law                                       | 5     | 20      |
| M9902       | Context of Construction                                      | 5     | 20      |
| M9922       | Business and Human Rights                                    | 5     | 20      |
| M9923       | Competition Law and Policy in the EU                         | 5     | 20      |
| M9809       | Conflict Resolution and the State                            | 5     | 20      |
| M9941       | Intellectual Property Law                                    | 5     | 20      |

|       |                                                               |   |    |
|-------|---------------------------------------------------------------|---|----|
| M9869 | Intellectual Property Law (DL)                                | 5 | 20 |
| M9811 | Employment Mediation                                          | 5 | 20 |
| M9873 | Oceans Governance and International Law                       | 5 | 20 |
| M9986 | European Human Rights Law                                     | 5 | 20 |
| M8913 | International Investment Law and Sustainable Development      | 5 | 20 |
| M9990 | International Human Rights Law                                | 5 | 20 |
| M9843 | Justice and Penal Decision Making                             | 5 | 20 |
| M9985 | Law and Practice of Construction Management                   | 5 | 20 |
| M9884 | Financial Crime and Sanctions                                 | 5 | 20 |
| M9938 | Mediation in Practice                                         | 5 | 20 |
| M9845 | Punishment & Processes of Penal Change                        | 5 | 20 |
| M9920 | The World Trading System: Law and Policy                      | 5 | 20 |
| M8909 | Law of International Business                                 | 5 | 20 |
| M8902 | Arbitration Law                                               | 5 | 20 |
| M9838 | Childhood and Crime                                           | 5 | 20 |
| M9867 | Global Environmental Law: Issues of Equity and Sustainability | 5 | 20 |
| M9921 | International Environmental Law I                             | 5 | 20 |
| M9871 | International Environmental Law II                            | 5 | 20 |
| M9967 | Dispute Resolution                                            | 5 | 20 |
| M8912 | Financial Regulation and Compliance                           | 5 | 20 |
| M9989 | Human Rights Protection in the UK                             | 5 | 20 |
| M8914 | International Climate Change Law                              | 5 | 20 |
| M9965 | Law of the Construction Industry                              | 5 | 20 |
| M9810 | Mediation, Policy and the Law                                 | 5 | 20 |
| M9939 | Negotiation                                                   | 5 | 20 |
| M9829 | Privacy, Crime and Security                                   | 5 | 20 |
| M9842 | Restorative Justice                                           | 5 | 20 |
| M9862 | International Migration Law                                   | 5 | 20 |



|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| M9XXX | PGT Law Work Placement                | 5 | 20 |
| M7908 | Human Rights and Digital Technologies | 5 | 20 |

Not all optional modules on this list will be available in each academic year.

Students on the LLM or Postgraduate Diploma may take any such other Level 5 modules up to a maximum of 40 credits chosen from other programmes offered by the University subject to the approval of the Programme Director offering the module and the Programme Director of the programme on which the student is registered.

**Students for the degree of LLM only must undertake 60 credits chosen from:**

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| M9863       | Dissertation (LLM)         | 5     | 60      |
| M7939       | Professional Project*      | 5     | 60      |
| M7938       | Professional Internship*   | 5     | 60      |
| M7936       | Enhanced Research Proposal | 5     | 60      |

\*Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

### Award

- Degree of LLM:** In order to qualify for the award of LLM, a candidate must have accumulated no fewer than 180 credits, which must include one of the 60 credit modules.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

### Transfer

- With the permission of the respective Programme Directors and subject to satisfying the curriculum requirements of the applicable programme, students enrolled on the PG Cert/PG Dip in Law or the LLM may transfer onto one of the specialised LLM degrees.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### LAW OF THE SEA, SUSTAINABLE DEVELOPMENT AND INTERNATIONAL LAW

Master of Law in Law of the Sea, Sustainable Development and International Law  
Postgraduate Diploma in Law of the Sea, Sustainable Development and International Law

Postgraduate Certificate in Law of the Sea, Sustainable Development and International Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time or part-time study.

#### Place of Study

4. As permitted by [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), off-campus work will be required through distance learning modules for this programme upon approval by Senate.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LL.M no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| M8924       | Oceans Governance and International Law                | 5     | 20      |
| M8923       | Developments and Challenges in the Law of the Sea      | 5     | 20      |
| M8922       | International Dispute Resolution and Oceans Governance | 5     | 20      |
| M8921       | Blue Growth & Maritime Law                             | 5     | 20      |
| M8920       | Fisheries Law & Sustainability                         | 5     | 20      |
| M8919       | The Protection of the Marine Environment               | 5     | 20      |

**Students for the degree of LLM only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| M9863       | Dissertation | 5     | 60      |

**Progress**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

**Award**

8. **Degree of LLM:** In order to qualify for the award of LLM in the Law of the Sea, Sustainable Development and International Law, a candidate must normally have accumulated no fewer than 180 credits from the programme curriculum of which 60 credits must have been awarded in respect of the appropriate Dissertation.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in the Law of the Sea, Sustainable Development and International Law, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in the Law of the Sea, Sustainable Development and International Law, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### LAW, TECHNOLOGY AND INNOVATION

Master of Laws in Law, Technology and Innovation

Master of Science in Law, Technology and Innovation

Postgraduate Diploma in Law, Technology and Innovation

Postgraduate Diploma in Law

Postgraduate Certificate in Law Technology and Innovation

Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#). Applicants can apply for either the LLM or the MSc, this is usually dependent on your professional background.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time or part-time study.

#### Place of Study

4. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| M7917       | Regulating Technology     | 5     | 20      |
| M7924       | Innovation and Leadership | 5     | 20      |

#### **Optional Modules**

No fewer than 80 credits chosen from:

| Module Code | Module Title                                                      | Level | Credits |
|-------------|-------------------------------------------------------------------|-------|---------|
| M7916       | Coding for Lawyers and Legal Applications (PGT)                   | 5     | 20      |
| M7915       | Statistics and Machine Learning for Lawyers and Legal Application | 5     | 20      |
| M7926       | Intellectual Property, Commerce and Innovation                    | 5     | 20      |

|       |                                                           |   |    |
|-------|-----------------------------------------------------------|---|----|
| M7914 | Cyber Crime, Cyber Security and Anti-Theft Law            | 5 | 20 |
| M7927 | Law, Power, and Accountability in the Algorithmic Society | 5 | 20 |
| M7918 | Law & Economics for Digital Markets                       | 5 | 20 |
| M7908 | Human Rights and Digital Technologies                     | 5 | 20 |

Not all optional modules on this list will be available in each academic year.

Students may alternatively undertake other 20-credit modules from the Strathclyde Law School's LLM module portfolio, and may apply to take one relevant 20-credit module from another School or Faculty, in place of one of the 20-credit optional modules listed above.

Plus 60 credits chosen from:

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| XXXXX       | LLM Dissertation ( <b>LLM students only</b> )                    | 5     | 60      |
| XXXXX       | MSc Dissertation ( <b>MSc students only</b> )                    | 5     | 60      |
| XXXXX       | Enhanced Research Proposal                                       | 5     | 60      |
| XXXXX       | Professional Project*                                            | 5     | 60      |
| XXXXX       | Professional Internship*                                         | 5     | 60      |
| XXXXX       | Enhanced Technology Design Project for Law and Legal Application | 5     | 60      |

\*Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

### Award

- Degree of LLM in Law, Technology and Innovation:** In order to qualify for the award of LLM in Law, Technology and Innovation, a candidate must normally have accumulated no fewer than 180 credits including all taught compulsory modules from the programme curriculum and one of the 60-credit modules listed above.
- Degree of MSc in Law, Technology and Innovation:** In order to qualify for the award of MSc in Law, Technology and Innovation, a candidate must normally have accumulated no fewer than 180 credits including all taught compulsory modules from the programme curriculum and one of the 60-credit modules listed above.
- Postgraduate Diploma in Law, Technology and Innovation:** In order to qualify for the award of the Postgraduate Diploma in Law, Technology and Information, a candidate must have accumulated no fewer than 120 taught credits, including all taught compulsory modules from the programme curriculum.
- Postgraduate Diploma in Law:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the

taught modules from the programme curriculum.

12. **Postgraduate Certificate in Law, Technology and Innovation:** In order to qualify for the award of the Postgraduate Certificate in Law, Technology and Information, a candidate must have accumulated no fewer than 60 taught credits, including all taught compulsory modules from the programme curriculum.
13. **Postgraduate Certificate in Law:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### LEGAL RESEARCH SKILLS AND METHODS

**Master of Law in Legal Research Skills and Methods**

**Master of Science in Legal Research Skills and Methods**

**Postgraduate Diploma in Legal Research Skills and Methods**

**Postgraduate Certificate in Legal Research Skills and Methods**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Duration of Study**

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

3. This programme is available by full-time and part-time study.

#### **Curriculum**

4. All students on the attending pathway shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of LLM no fewer than 180 credits including a dissertation.

#### **Compulsory Modules**

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| L5981       | Perspectives on Social Research                | 5     | 20      |
| L2905       | Quantitative Methods: Survey Methods           | 5     | 20      |
| L2909       | Qualitative Methods                            | 5     | 20      |
| M8918       | Engaging with Materials Used in Legal Research | 5     | 20      |
| And either  |                                                |       |         |
| M9863       | Dissertation<br>(for LLM students)             | 5     | 60      |
| Or          |                                                |       |         |
| M9812       | Dissertation<br>(for MSc students)             | 5     | 60      |

### **Optional Modules**

Students must take 40 credits from the list of modules below:

| <b>Module Code</b> | <b>Module Title</b>                                          | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------------------|--------------|----------------|
| M8917              | Researching Law Using Doctrinal and Philosophical Approaches | 5            | 20             |
| M8916              | Researching Law and Society                                  | 5            | 20             |
| M8295              | The Contexts of Criminal Justice Research                    | 5            | 20             |
| M8926              | Contemporary Issues in Criminology                           | 5            | 20             |

### **Progress**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

### **Award**

7. **Degree of LLM:** In order to qualify for the award of LLM in Legal Research Skills and Methods, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation M9863.
8. **MSc:** In order to qualify for the award of MSc in Legal Research Skills and Methods, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation M9812.
9. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Legal Research Skills and Methods, a candidate must have accumulated no fewer than 120 credits.
10. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Legal Research Skills and Methods, a candidate must have accumulated no fewer than 60 credits.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### MEDIATION AND CONFLICT RESOLUTION

Master of Laws in Mediation and Conflict Resolution

Master of Science in Mediation and Conflict Resolution

Postgraduate Diploma in Mediation and Conflict Resolution

Postgraduate Diploma in Law

Postgraduate Certificate in Mediation and Conflict Resolution

Postgraduate Certificate in Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The LLM, MSc and PG Diploma programmes are all available by both part-time and full-time study. The PG Certificate is available by part-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i) for the Postgraduate Certificate no fewer than 60 credits
  - ii) for the Postgraduate Diploma no fewer than 120 credits
  - iii) for the degree of LLM or MSc no fewer than 180 credits including a 60 credit module

#### Compulsory Modules for all students

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| M9937       | Theory and Principles of Conflict Resolution | 5     | 20      |
| M9938       | Mediation in Practice                        | 5     | 20      |

#### Compulsory Module for PgDip and LLM/MSc students only

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| M7932       | Critical Mediation Studies | 5     | 20      |

#### Optional Modules

60 credits chosen from:

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| M9810       | Mediation, Policy and the Law | 5     | 20      |

|       |                                                                 |   |    |
|-------|-----------------------------------------------------------------|---|----|
| M9811 | Employment Mediation                                            | 5 | 20 |
| M9939 | Negotiation                                                     | 5 | 20 |
| M9983 | Legal Process and the Law of Contract and Other Obligations     | 5 | 20 |
| M8902 | Arbitration                                                     | 5 | 20 |
| M7907 | Law Work Placement – Legal Learning in a Work Based Environment | 5 | 20 |
| M7932 | Critical Mediation Studies                                      | 5 | 20 |

Not all optional modules on this list will be available in each academic year.

Any such other Level 5 modules up to a maximum of 40 credits chosen from other programmes offered by the University as may be approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered.

**Students for the degree of LLM only must undertake 60 credits chosen from:**

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| M9863       | LLM Dissertation           | 5     | 60      |
| M7939       | Professional Internship*   | 5     | 60      |
| M7938       | Professional Project*      | 5     | 60      |
| M7936       | Enhanced Research Proposal | 5     | 60      |

**Students for the degree of MSc only must undertake 60 credits chosen from:**

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| M9813       | MSc Dissertation           | 5     | 60      |
| M7939       | Professional Internship*   | 5     | 60      |
| M7938       | Professional Project*      | 5     | 60      |
| M7936       | Enhanced Research Proposal | 5     | 60      |

\*Enrolment on the Professional Project and Professional Internship modules is by application and not guaranteed.

### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- Part-time students for the degree of LLM, MSc or Postgraduate Diploma shall normally require 40 credits to progress to year two.

### Award

7. **Degree of LLM/MSc:** In order to qualify for the award of the degree of LLM or MSc in Mediation and Conflict Resolution, a candidate must normally have accumulated no fewer than 180 credits, including all taught compulsory modules from the programme curriculum and 60 credits must have been awarded in respect of one of the 60 credit modules above.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Mediation and Conflict Resolution, a candidate must normally have accumulated no fewer than 120 taught credits, including all taught compulsory modules from the programme curriculum.
9. **Postgraduate Diploma in Law:** In order to qualify for the award of the Postgraduate Diploma in Law, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Mediation and Conflict Resolution, a candidate must normally have accumulated no fewer than 60 taught credits from the programme curriculum, including all taught compulsory modules.
11. **Postgraduate Certificate in Law:** In order to qualify for the award of the Postgraduate Certificate in Law, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### PROFESSIONAL LEGAL PRACTICE

#### Master of Laws in Professional Legal Practice

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants for the LLM shall possess:
  - i. a Postgraduate Diploma in Professional Legal Practice; or
  - ii. a qualification deemed by the Head of School/Programme Director acting on behalf of the Senate to be equivalent to (i) above.
2. 100 credits will be awarded for recognition of prior learning in respect of point 1(i) above.
3. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

4. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the minimum duration of study for the LLM will be 12 months and the maximum period of study will be 24 months for the full-time LLM.

#### Mode of Study

5. The LLM is available by distance learning and on-campus.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

| Module Code | Module Title                                    | Level | Credits |
|-------------|-------------------------------------------------|-------|---------|
| M7937       | LLM Dissertation in Professional Legal Practice | 5     | 80      |

#### Progress

7. Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the programme.
8. The final award will be based on the student's performance in their assessment.

#### Award

9. **Degree of LLM:** In order to qualify for the award of LLM in Professional Legal Practice, a candidate must have accumulated no fewer than 180 credits of which 80 must have been awarded in respect of the M7937 LLM Dissertation in Professional Legal Practice and the remainder of the credits will be awarded through credit transfer and recognition of prior learning.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### PROFESSIONAL LEGAL PRACTICE

#### Postgraduate Diploma in Professional Legal Practice

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

##### For Postgraduate Diploma:

1. This Postgraduate Diploma in Professional Legal Practice is designed as the professional qualification for Law graduates and others who wish to enter the Solicitor branch of the legal profession in Scotland and satisfies the requirements of the Law Society of Scotland's Professional Education and Training Stage 1 (PEAT 1).
2. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. an LLB of a Scottish university; or
  - ii. a qualification deemed by the Head of School/Programme Director acting on behalf of the Senate to be equivalent to (i) above.
3. In addition, applicants shall have passed or obtained exemption from the professional examinations of The Law Society of Scotland in those subjects required by it in terms of The Admissions as Solicitor (Scotland) Regulations (1986).
4. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

6. The Postgraduate Diploma is available by full-time and part-time study.

#### Curriculum

7. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| M9801       | Business and Financial Awareness | 5     | 10      |
| M9802       | Civil Litigation                 | 5     | 10      |
| M9814       | Personal Injury Claim Handling   | 5     | 10      |
| M9815       | Professional Practice and Ethics | 5     | 10      |

|       |                     |   |    |
|-------|---------------------|---|----|
| M9817 | Private Client      | 5 | 10 |
| M9819 | Conveyancing        | 5 | 10 |
| M9820 | Criminal Litigation | 5 | 10 |

### **Optional Modules**

No fewer than 50 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                            | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------|--------------|----------------|
| M9800              | Advanced Private Client                        | 5            | 10             |
| M9803              | Advanced Criminal Advocacy                     | 5            | 10             |
| M9804              | Commercial Conveyancing                        | 5            | 10             |
| M9805              | Company Law                                    | 5            | 10             |
| M9806              | Commercial Contracts and Intellectual Property | 5            | 10             |
| M9807              | Family Business                                | 5            | 10             |
| M9813              | Family Law                                     | 5            | 10             |
| M9816              | Practical Public Administration                | 5            | 10             |
| M9818              | Work-Based Learning in a Legal Environment     | 5            | 10             |
| M9817              | Employment Law                                 | 5            | 10             |
| M9827              | Business Accounting for Legal Professionals    | 5            | 10             |
| M9828              | Mediation and Mediation Advocacy               | 5            | 10             |
| M9893              | Project Management for Lawyers                 | 5            | 10             |
| M9889              | General Practice – Problem-based Learning      | 5            | 10             |
| M9891              | Advanced Civil Advocacy                        | 5            | 10             |
| MXXXX              | Lawyers for Children                           | 5            | 10             |
| MXXXX              | Immigration and Asylum                         | 5            | 10             |

### **Progress**

- Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the programme.

9. Progress to the second year of part-time study will be permitted if a student obtains at least 40 credits.
10. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the Board of Examiners may exceptionally, in the light of their overall performance, permit a student who satisfies the attendance and performance requirements of a module a maximum of two further attempt at passing the module. The attempt shall normally be made at the next available formal assessment period. The Board of Examiners may additionally require a student to reattend the module.
11. The final award will be based on performance in the examinations and coursework.

#### **Award**

12. **Postgraduate Diploma:** In order to qualify for the Postgraduate Diploma in Professional Legal Practice a candidate must have accumulated no fewer than 120 credits from the programme curriculum of which 70 must have been awarded in respect of the compulsory curriculum and 50 must have been awarded in respect of the optional curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE LAW SCHOOL

### PROFESSIONAL MEDIATION

#### Postgraduate Diploma in Professional Mediation

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Applicants will:

- i. Provide a personal statement of between 500 and 1,000 words in support of their application; and
- ii. Possess an LLB or equivalent from a university authorised to grant such degrees by the Government of Saudi Arabia;
- iii. or a qualification deemed by the Programme Director to be equivalent to (ii) above.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).  
The minimum duration of study will be 8 months

#### Place of Study

3. As permitted by [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) the Postgraduate Diploma in Professional Mediation is delivered at the Saudi Judicial Training Centre (JTC) in Riyadh.

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| XXXXX       | Fundamental Aspects of Mediation                    | 5     | 20      |
| XXXXX       | Mediation in Practice: Challenges, Tools and Skills | 5     | 20      |
| XXXXX       | Clinical Mediation                                  | 5     | 20      |

#### Optional Modules

60 credits chosen from

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| XXXXX       | Commercial Mediation | 5     | 20      |



|       |                      |   |    |
|-------|----------------------|---|----|
| XXXXX | Employment Mediation | 5 | 20 |
| XXXXX | Criminal Mediation   | 5 | 20 |
| XXXXX | Family Mediation     | 5 | 20 |

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) candidates will be permitted a maximum of 2 attempts at each assessment.
8. The final award will be based on performance in all coursework.

### **Award**

9. **Postgraduate Diploma:** In order to qualify for the Postgraduate Diploma in Professional Mediation a candidate must have accumulated no fewer than 120 credits from the programme curriculum, including all compulsory modules.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## SCHOOL OF PSYCHOLOGICAL SCIENCES AND HEALTH

### ADOLESCENT MENTAL HEALTH AND RESILIENCE

**Master of Science Adolescent Mental Health and Resilience**

**Postgraduate Diploma Adolescent Mental Health and Resilience**

**Postgraduate Certificate Adolescent Mental Health and Resilience**

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or upper second class Honours degree in Psychology or related discipline; or
  - ii. a qualification deemed by the Programme Leader and Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time or part-time study only.

#### **Curriculum**

5. Students studying on a part-time basis will normally take no fewer than 40 credits in each year.
6. All students studying shall undertake an approved curriculum;

#### **Compulsory Modules**

| Module Code | Module Title                                                            | Level | Credits |
|-------------|-------------------------------------------------------------------------|-------|---------|
| Bxxxx       | Transitions in adolescence                                              | 5     | 20      |
| Bxxxx       | Adolescent mental health                                                | 5     | 20      |
| Bxxxx       | Involving adolescents in research and practice                          | 5     | 20      |
| Bxxxx       | Attachment and relationships                                            | 5     | 20      |
| Bxxxx       | Identifying, promoting, and supporting adolescents' mental health needs | 5     | 20      |
| Bxxxx       | Placement                                                               | 5     | 20      |

**For the Degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| Bxxxx       | Dissertation | 5     | 60      |

### Progress

7. See [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).
8. The final award will be based on performance in all elements of the summative assessment and the dissertation where undertaken.

### Award

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Adolescent Mental Health and Resilience a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 credits must have been awarded in respect of the dissertation Bxxxx.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Adolescent Mental Health and Resilience, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
11. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Adolescent Mental Health and Resilience, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH

### CLINICAL HEALTH PSYCHOLOGY

**Master of Science in Clinical Health Psychology**  
**Postgraduate Diploma Clinical Health Psychology**  
**Postgraduate Certificate Clinical Health Psychology**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or upper second class Honours degree in Psychology from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time or part-time study only.

#### **Curriculum**

5. All students studying shall undertake an approved curriculum:

#### **Compulsory Modules**

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| C8954       | Health Psychology                              | 5     | 20      |
| C8953       | Clinical Psychology                            | 5     | 20      |
| C8955       | Neuropsychology                                | 5     | 20      |
| C8990       | Research Methods in Clinical Health Psychology | 5     | 20      |
| C8993       | Professional Practice                          | 5     | 20      |
| C8992       | Introduction to Psychological Therapies        | 5     | 20      |

**For the Degree of MSc only**

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| C8957       | Dissertation Clinical Health Psychology, MSc | 5     | 60      |

### Progress

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
7. The final award will be based on performance in all elements of the coursework and the dissertation where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Clinical Health Psychology a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 credits must have been awarded in respect of the dissertation C8957.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Clinical Health Psychology, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Clinical Health Psychology, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH

### COUNSELLING AND PSYCHOTHERAPY

**Master of Science in Counselling and Psychotherapy**  
**Postgraduate Diploma in Counselling and Psychotherapy**  
**Postgraduate Certificate in Counselling and Psychotherapy**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all successful applicants will be required to have a Counselling & Psychotherapy (COSCA) Certificate in Counselling Skills or the equivalent.

#### **Duration of Study**

3. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the minimum duration of study for the full time programme will be 24 months and the maximum duration will be 48 months. For the part time programme the General Academic Regulations shall apply.

#### **Place of Study**

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

5. The programme in Counselling and Psychotherapy is available by full-time and part-time study only.

#### **Curriculum**

6. Full-time students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                 | Level | Credits |
|-------------|------------------------------|-------|---------|
| B9913       | Counselling Practicum 1      | 5     | 10      |
| B9914       | Counselling Practicum 2      | 5     | 10      |
| B9903       | The Therapeutic Relationship | 5     | 20      |
| B9904       | Therapeutic Process          | 5     | 20      |
| B9906       | Counselling Case Formation   | 5     | 20      |
| B9907       | Personality Theory           | 5     | 20      |

|       |                                         |   |    |
|-------|-----------------------------------------|---|----|
| B9909 | Personal and Professional Development 1 | 5 | 10 |
| B9910 | Personal and Professional Development 2 | 5 | 10 |

**Full time students for the degree of MSc only:**

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| B9901       | Counselling Research Dissertation | 5     | 60      |

7. Part-time students shall undertake an approved curriculum as follows:

**Compulsory Modules**

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| B9969       | Counselling Practicum                 | 5     | 20      |
| B9970       | The Therapeutic Relationship          | 5     | 20      |
| B9971       | Therapeutic Process                   | 5     | 20      |
| B9972       | Counselling Case Formation            | 5     | 20      |
| B9973       | Personality Theory                    | 5     | 20      |
| B9974       | Personal and Professional Development | 5     | 20      |

**Part time students for the degree of MSc only:**

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| B9968       | Counselling Research Dissertation | 5     | 60      |

**Progress**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. The final award will be based on performance in coursework and the dissertation where undertaken.

**Award**

10. **Degree of MSc in Counselling and Psychotherapy:** In order to qualify for the award of the degree of MSc in Counselling and Psychotherapy a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Counselling and Psychotherapy a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.

12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Counselling and Psychotherapy a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH

### PERSON-CENTRED COUNSELLING & PSYCHOTHERAPY

Master of Science in Person-Centred Counselling & Psychotherapy  
Postgraduate Diploma in Person-Centred Counselling & Psychotherapy  
Postgraduate Certificate in Person-Centred Counselling & Psychotherapy

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. All applicants to the MSc, Postgraduate Diploma and Postgraduate Certificate in Person-Centred Counselling & Psychotherapy must have a period of post-qualifying professional experience deemed appropriate by the Programme Director and a satisfactory performance at interview.

#### Duration of Study

3. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the minimum period of study shall be as follows:

|                            |                        |
|----------------------------|------------------------|
| Masters by full-time study | 24 months              |
| Masters by part-time study | 36 months elapsed time |

4. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the maximum period of study shall be as follows:

|                            |                        |
|----------------------------|------------------------|
| Masters by full-time study | 48 months              |
| Masters by part-time study | 60 months elapsed time |

#### Place of Study

5. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the MSc, Postgraduate Diploma and Postgraduate Certificate in Person-Centred Counselling & Psychotherapy are delivered at the Institute of Psychological and Counselling Studies (IPCS) in Greece.

#### Mode of Study

6. The programme is available by full-time and part-time study. Students proceeding to the degree of Master shall undertake a report or dissertation as specified in the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Curriculum

7. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                                          | Level | Credits |
|-------------|---------------------------------------------------------------------------------------|-------|---------|
| B9998       | Theoretical Foundations in the Person-Centred Approach in Counselling & Psychotherapy | 5     | 30      |

|       |                                                                                       |   |    |
|-------|---------------------------------------------------------------------------------------|---|----|
| B9997 | Practice and Self Development: Becoming a Person-Centred Counsellor & Psychotherapist | 5 | 30 |
|-------|---------------------------------------------------------------------------------------|---|----|

**Students for the degree of MSc and Postgraduate Diploma in addition will undertake:**

| Module Code | Module Title                                                           | Level | Credits |
|-------------|------------------------------------------------------------------------|-------|---------|
| B9999       | Theoretical Issues in Person-Centred Counselling & Psychotherapy       | 5     | 30      |
| B9996       | Professional Development in Person-Centred Counselling & Psychotherapy | 5     | 30      |

**Students for the degree of MSc only:**

| Module Code | Module Title                                                    | Level | Credits |
|-------------|-----------------------------------------------------------------|-------|---------|
| B9989       | Research Planning for an MSc                                    | 5     | 20      |
| B9995       | Research Enquiry and Development in Counselling & Psychotherapy | 5     | 40      |

### **Progress**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. Candidates will be permitted a maximum of 2 attempts at each assessment.
10. The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

11. **Degree of MSc in Person-Centred Counselling & Psychotherapy:** In order to qualify for the award of the degree of MSc in Person-Centred Counselling & Psychotherapy the candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits.
12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Person-Centred Counselling & Psychotherapy a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Person-Centred Counselling & Psychotherapy a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH

### PHYSICAL ACTIVITY IN NCD PREVENTION AND CONTROL

Master of Science in Physical Activity in NCD Prevention and Control  
Postgraduate Diploma in Physical Activity in NCD Prevention and Control  
Postgraduate Certificate in Physical Activity in NCD Prevention and Control

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                         | Level | Credits |
|-------------|------------------------------------------------------|-------|---------|
| B1908       | Introduction to Physical Activity for Health         | 5     | 20      |
| C8393       | Quantitative Research Methods                        | 5     | 20      |
| B1907       | Mind, Body, and Physical Activity                    | 5     | 20      |
| B1909       | Contemporary Debates in Physical Activity for Health | 5     | 20      |
| B1911       | Physical Activity and Mental Health                  | 5     | 20      |
| B1910       | Physical Activity with Specialist Population Groups  | 5     | 20      |

**For the degree of MSc only:**

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| L1912       | Research Project in Physical Activity for Health | 5     | 60      |

#### Progress

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

6. The final award will be based on performance in the examinations, coursework and the project where undertaken.

#### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Physical Activity in NCD Prevention and Control a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation B1912.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Physical Activity in NCD Prevention and Control a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Physical Activity in NCD Prevention and Control a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH

### PSYCHOLOGY WITH A SPECIALISATION

**Master of Science in Psychology with a specialisation in Business**

**Master of Science in Psychology with a specialisation in Health**

**Postgraduate Diploma Psychology with a specialisation in Business**

**Postgraduate Diploma Psychology with a specialisation in Health**

**Postgraduate Certificate Psychology with a specialisation in Business**

**Postgraduate Certificate Psychology with a specialisation in Health**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in any subject from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time or part-time study only.

#### **Mode of Delivery**

5. The programme is available by distance learning only.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                    | Level | Credits |
|-------------|-------------------------------------------------|-------|---------|
| C8982       | Research Design and Analyses in Psychology      | 5     | 20      |
| C8984       | Psychobiology and Cognitive Psychology (Spring) | 5     | 20      |
| OR          |                                                 |       |         |
| C8924       | Psychobiology and Cognitive Psychology (Autumn) | 5     | 20      |

|       |                                                 |   |    |
|-------|-------------------------------------------------|---|----|
| OR    |                                                 |   |    |
| XXXXX | Psychobiology and Cognitive Psychology (Summer) | 5 | 20 |
| C8981 | Social and Developmental Psychology (Autumn)    | 5 | 20 |
| OR    |                                                 |   |    |
| C8923 | Social and Developmental Psychology (Spring)    | 5 | 20 |
| C8980 | CHIP and Individual Differences (Autumn)        | 5 | 20 |
| OR    |                                                 |   |    |
| C8925 | CHIP and Individual Differences (Spring)        | 5 | 20 |

### Compulsory For Specialisation in Business

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| HR954       | Organisational Psychology (Autumn)      | 5     | 10      |
| HR955       | Leadership in Organisations (Spring)    | 5     | 10      |
| HR956       | Psychometrics in Organisations (Spring) | 5     | 10      |
| HR967       | Foundations of Risk (Autumn)            | 5     | 10      |

### Compulsory For Specialisation in Health

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| C8994       | Understanding Health (Spring)* | 5     | 20      |
|             | OR                             |       |         |
| CXXXX       | Understanding Health (Autumn)* | 5     | 20      |
| C8991       | Promoting Health (Spring)      | 5     | 20      |
|             | OR                             |       |         |
| CXXXX       | Promoting Health (Autumn)      | 5     | 20      |

\*Understanding Health is a pre-requisite for Promoting Health.

### For the degree of MSc only:

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| C8983       | Empirical Project | 5     | 60      |

### **Curriculum (Part-time Study)**

7. Students studying on a part-time basis will normally take no fewer than 40 credits in each year.

### **Progress**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
9. The final award will be based on performance in all elements of the coursework and the dissertation.

### **Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc Psychology with a specialisation in Business or the MSc Psychology with a specialisation in Health, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 credits must have been awarded in respect of the project C8983.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Psychology with a specialisation in Business or the Postgraduate Diploma in Psychology with a specialisation in Health, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Psychology with a specialisation in Business or Postgraduate Certificate in Psychology with a specialisation in Health, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH

### RESEARCH METHODS IN PSYCHOLOGY

Master of Science in Research Methods in Psychology  
Postgraduate Diploma in Research Methods in Psychology  
Postgraduate Certificate in Research Methods in Psychology  
Postgraduate Certificate in Social Research Methods

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or upper second class Honours degree in Psychology from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| C8939       | Quantitative Research Methods   | 5     | 20      |
| C8985       | Qualitative Research Methods    | 5     | 20      |
| L5981       | Perspectives on Social Research | 5     | 20      |
| C8928       | Research Design                 | 5     | 60      |
| C8986       | Dissertation                    | 5     | 60      |

#### Progress

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).



7. The final award will be based on performance in all elements of the coursework, the dissertation and, if required, in an oral examination.

#### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Research Methods in Psychology a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 credits must have been awarded in respect of the dissertation C8986.
9. **Postgraduate Diploma in Research Methods in Psychology:** In order to qualify for the award of the Postgraduate Diploma in Research Methods in Psychology, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate in Research Methods in Psychology:** In order to qualify for the award of the Postgraduate Certificate in Research Methods in Psychology, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.
11. **Postgraduate Certificate in Social Research Methods:** In order to qualify for the award of the Postgraduate Certificate in Social Research Methods, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme including C8939 Quantitative Research Methods, C8985 Qualitative Research Methods, and L5981 Perspectives on Social Research.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF PSYCHOLOGICAL SCIENCES AND HEALTH

### SPORT DATA ANALYTICS

**Master of Science in Sport Data Analytics**

**Postgraduate Diploma in Sport Data Analytics**

**Postgraduate Certificate in Sport Data Analytics**

These regulations are to be read in conjunction with the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).

#### **Admission**

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or upper second class Honours degree in Sport or Computer Science from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of Study**

4. This programme is available by full-time or part-time study.

#### **Curriculum**

5. All students studying shall undertake an approved curriculum as follows;

#### **Compulsory Modules**

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| B1700       | An Introduction to Sport Data Analytics        | 5     | 20      |
| B1702       | Video Analysis in Sport                        | 5     | 20      |
| B1701       | Recruitment Analytics in Sport                 | 5     | 20      |
| B1703       | Data Visualisation in Sport                    | 5     | 20      |
| B1705       | Research Methods in Sport Data Analytics       | 5     | 20      |
| B1704       | Professional Placement in Sport Data Analytics | 5     | 20      |

**For the degree of MSc only:**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| B1706       | Dissertation in Sport Data Analytics | 5     | 60      |

### Curriculum (Part-time Study)

6. Students studying on a part-time basis will normally take no fewer than 40 credits in each year.

### Progress

7. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Sport Data Analytics a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 credits must have been awarded in respect of B1706 Dissertation.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Sport Data Analytics, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Sport Data Analytics, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### ADVANCED RESIDENTIAL CHILD CARE

Master of Science in Advanced Residential Child Care  
Postgraduate Diploma in Advanced Residential Child Care  
Postgraduate Certificate in Advanced Residential Child Care

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all successful applicants will normally be required to have had at least two years of appropriate, post-qualifying professional experience.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Place of Study

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

5. The programmes are available by part-time study only.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                | Level | Credits |
|-------------|-------------------------------------------------------------|-------|---------|
| L5971       | Critical Perspectives on Residential Child Care             | 5     | 20      |
| L5966       | Understanding and Assessing in Children's Life-Spaces       | 5     | 20      |
| L5965       | Ethical Leadership and Management in Residential Child Care | 5     | 20      |

**Students for the degree of MSc and Postgraduate Diploma in addition will undertake:**

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| L5967       | Skilled and Reflective Use of Self in Residential Child Care | 5     | 20      |
| L5970       | Intervening Effectively in Residential Child Care            | 5     | 20      |

|       |                                                                            |   |    |
|-------|----------------------------------------------------------------------------|---|----|
| L5968 | Research Methods: Effective and Ethical Research in Residential Child Care | 5 | 20 |
|-------|----------------------------------------------------------------------------|---|----|

### Students for the degree of MSc only

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| L5969       | Professional Enquiry in Residential Child Care: Dissertation | 5     | 60      |

### Progress

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. Where relevant, progress to the Postgraduate Diploma is dependent upon completion of the Postgraduate Certificate to the satisfaction of the Board of Examiners and progress to the MSc is dependent upon completion of the Postgraduate Diploma to the satisfaction of the Board of Examiners.
9. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates will be permitted a maximum of 2 attempts at each assessment.
10. The final award will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken.

### Award

11. **MSc in Advanced Residential Child Care:** In order to qualify for the award of the degree of MSc in Advanced Residential Child Care the candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of either the dissertation L5969 or the research projects.
12. **Postgraduate Diploma in Advanced Residential Child Care:** In order to qualify for the award of the Postgraduate Diploma in Advanced Residential Childcare a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
13. **Postgraduate Certificate in Advanced Residential Child Care:** In order to qualify for the award of the Postgraduate Certificate Advanced Residential Childcare a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### CHILD AND YOUTH CARE STUDIES

**Master of Science in Child and Youth Care Studies**

**Postgraduate Diploma in Child and Youth Care Studies**

**Postgraduate Certificate in Child and Youth Care Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all successful applicants will be required to have had at least two years of appropriate, post-qualifying professional experience.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by part-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                                              | Level | Credits |
|-------------|---------------------------------------------------------------------------|-------|---------|
| L5905       | Child and Youth Care Studies: Child Development in the Life Space         | 5     | 20      |
| L5912       | Child and Youth Care Studies: Theoretical Contexts                        | 5     | 20      |
| L5914       | Child and Youth Care Studies: Critical Reflection and Relational Practice | 5     | 20      |

**Students for the degree of MSc and Postgraduate Diploma in addition will undertake:**

| Module Code | Module Title                                            | Level | Credits |
|-------------|---------------------------------------------------------|-------|---------|
| L5904       | Child and Youth Care Studies: Intervention              | 5     | 20      |
| L5906       | Child and Youth Care Studies: Management and Leadership | 5     | 20      |
| L5915       | Child and Youth Care Studies: Research Methods          | 5     | 20      |

### Students for the degree of MSc only

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| L5917       | Child and Youth Care Studies: Research Project | 5     | 60      |

### Progress

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. In order to progress to the degree of MSc, a student must have accumulated at least 120 credits from the programme curriculum and have submitted a satisfactory proposal for a dissertation.
8. The final award will be based on performance in the coursework, examinations and the dissertation, where undertaken.

### Award

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Child and Youth Care Studies by Distance Learning, a candidate must have accumulated no fewer than 180 credits at Level 5, of which 60 must have been awarded in respect of the Dissertation L5917.
10. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Child and Youth Care Studies by Distance Learning, a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
11. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Child and Youth Care Studies by Distance Learning, a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### CHILDREN AND YOUNG PEOPLE IN CONFLICT WITH THE LAW

#### Postgraduate Certificate in Children and Young People in Conflict with the Law

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of study

3. The programme is available by part-time study only.

#### Place of Study

4. The programme is taught by distance learning only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| L8915       | Policy and Legislative Context                     | 5     | 20      |
| L8916       | Developmental Pathways, Assessment and Formulation | 5     | 20      |
| L8917       | Intervention Approaches                            | 5     | 20      |

#### Progress

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Award

7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Children and Young People in Conflict with the Law, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### CRIMINOLOGY AND SOCIAL POLICY

Master of Science in Criminology and Social Policy  
Postgraduate Diploma in Criminology and Social Policy  
Postgraduate Certificate in Criminology and Social Policy

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of study

4. The programmes are available by full-time and part-time study.

#### Place of Study

5. In accordance with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| L5988       | The Contexts of Criminal Justice Research | 5     | 20      |
| L5987       | Contemporary Issues in Criminology        | 5     | 20      |
| L8914       | Prisons, Power and Punishment             | 5     | 20      |
| L2909       | Qualitative Methods                       | 5     | 20      |

#### Optional Modules

40 credits chosen from:

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| L5992       | International Social Work: Themes and Perspectives | 5     | 20      |
| L5976       | Welfare Concepts and Ideas                         | 5     | 20      |
| L5975       | Approaches to Welfare: Past, Present and Future    | 5     | 20      |
| L5981       | Perspectives on Social Research                    | 5     | 20      |

Or any other module(s) approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

**Students for the degree of MSc only:**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| L5986       | Masters Dissertation in Criminology | 5     | 60      |

### Progress

7. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
8. In order to progress to the degree of Master, a student must have successfully accumulated at least 120 credits from the programme curriculum and have submitted a satisfactory proposal for a dissertation.
9. The final award will be based on performance in the assessments, coursework and the dissertation where undertaken.

### Award

10. **Degree of MSc:** In order to qualify for the degree of MSc in Criminology and Social Policy, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Criminology and Social Policy, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Criminology and Social Policy, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### CRIMINOLOGY (RESEARCH METHODS)

**Master of Science in Criminology (Research Methods)**

**Postgraduate Diploma in Criminology (Research Methods)**

**Postgraduate Certificate in Criminology (Research Methods)**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree any discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. The programme shall run for 12 months full time and 24 months part time. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time and part-time study. At the discretion of the relevant Board of Study on the recommendation of the relevant Programme Director (or nominee), a student may transfer from full-time to part-time study and vice-versa where an appropriate programme is available, at which time the relevant minimum and maximum periods of study will be reviewed.

#### **Place of Study**

5. Except where Senate has approved distance learning arrangements for off campus delivery, study shall normally be undertaken within the University or within an institution or agency approved by Senate for the purpose.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| L5981       | Perspectives on Social Research | 5     | 20      |
| L2905       | Quantitative Methods            | 5     | 20      |

|       |                     |   |    |
|-------|---------------------|---|----|
| L2909 | Qualitative Methods | 5 | 20 |
|-------|---------------------|---|----|

**Postgraduate Diploma students must also take the following modules:**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| M8926       | Contemporary Issues in Criminology        | 5     | 20      |
| M8925       | The Contexts of Criminal Justice Research | 5     | 20      |
| L5983       | Evaluation and Policy Research            | 5     | 20      |

**MSc students must also take the following module:**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| L5986       | Masters Dissertation in Criminology | 5     | 60      |

### Progress

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates will be permitted a maximum of 2 attempts at each assessment.
9. The final award will be based on performance in all elements of the coursework, the dissertation and, if required, a spoken examination.

### Award

10. **Degree of MSc:** In order to qualify for the degree of MSc in Criminology (Research Methods) a candidate must have accumulated no fewer than 120 credits from the taught modules on the programme and a 60 credit Dissertation L5986.
11. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Criminology (Research Methods), a candidate must have accumulated no fewer than 120 credits from the taught modules on the programme.
12. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Criminology (Research Methods), a candidate must have accumulated no fewer than 60 credits from the taught modules on the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### FAMILY THERAPY AND SYSTEMIC PRACTICE

**Master of Science in Family Therapy and Systemic Practice**

**Postgraduate Diploma in Family Therapy and Systemic Practice**

**Postgraduate Certificate in Family Therapy and Systemic Practice**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all successful applicants will normally be required to have had at least two years of appropriate, post-qualifying professional experience. Applicants must hold a professional qualification in nursing, psychology, counselling medicine, social work or occupational therapy deemed appropriate by the Programme Director.
3. In addition, applicants are normally required to maintain professional contact with families throughout the period of study.

#### **Duration of Study**

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Place of Study**

5. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the MSc, Postgraduate Diploma and Postgraduate Certificate in Studies in Family Therapy and Systemic Practice are delivered at the Family Therapy Training Network.

#### **Mode of Study**

6. The programme is available by part-time study only.

#### **Curriculum**

7. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                                           | Level | Credits |
|-------------|------------------------------------------------------------------------|-------|---------|
| L5918       | Research and Reflexivity                                               | 5     | 10      |
| L5958       | Theory Development in Family Therapy                                   | 5     | 10      |
| L5913       | Diversity and Anti-Discriminatory Practice within a Systemic Framework | 5     | 10      |
| L5956       | Clinical Placement 1 and 2                                             | 5     | 40      |
| L5957       | Models of Change                                                       | 5     | 10      |

|       |                                                                               |   |    |
|-------|-------------------------------------------------------------------------------|---|----|
| L5921 | Systemic Psychotherapy and Context                                            | 5 | 10 |
| L5954 | Systemic Supervision                                                          | 5 | 10 |
| L5955 | Personal and Professional Development in Family Therapy and Systemic Practice | 5 | 10 |
| L5961 | Systemic Practice in a Work Context                                           | 5 | 10 |
| L5959 | Dissertation*                                                                 | 5 | 60 |

\*Students for the degree of MSc only

### Progress

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. Where relevant, progress to the Postgraduate Diploma is dependent upon completion of the Postgraduate Certificate to the satisfaction of the Board of Examiners and progress to the MSc is dependent upon completion of the Postgraduate Diploma to the satisfaction of the Board of Examiners.
10. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates will be permitted a maximum of 2 attempts at each assessment.
11. The final award will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken.

### Award

12. **Degree of MSc in Family Therapy and Systemic Practice:** In order to qualify for the award of the degree of MSc in Family Therapy and Systemic Practice a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of either the dissertation L5959 or the research projects.
13. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Family Therapy and Systemic Practice a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
14. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Family Therapy and Systemic Practice a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### HEALTH & SOCIAL POLICY

Master of Science in Health & Social Policy  
Postgraduate Diploma in Health & Social Policy  
Postgraduate Certificate in Health & Social Policy

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

##### Compulsory Modules

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| L8924       | Health Policy in an International Context*               | 5     | 20      |
| L8927       | Co-Production and Engagement in Health Policy & Practice | 5     | 20      |
| L8928       | Inequalities & Social Policy                             | 5     | 20      |
| And either  |                                                          |       |         |
| L5976       | Welfare Concepts and Ideas                               | 5     | 20      |
| OR          |                                                          |       |         |
| L8925       | Comparative Social Policy and Welfare Systems            | 5     | 20      |
| And either  |                                                          |       |         |
| L2909       | Qualitative Methods                                      | 5     | 20      |
| OR          |                                                          |       |         |
| L2905**     | Quantitative Methods: Survey Methods                     | 5     | 20      |
| OR          |                                                          |       |         |
| L8918***    | Quantitative Methods: Survey Methods                     | 5     | 20      |

\* Students who have taken (and passed) L5419 in previous (undergraduate) study cannot take L8924 and should instead choose a health focused elective module, in discussion with the Programme Lead.

\*\*Semester 1 \*\*\*Semester 2

### **Optional Modules**

No fewer than 20 credits chosen from the approved option list below:

| <b>Module Code</b> | <b>Module Title</b>                                | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------|--------------|----------------|
| L8918^             | Quantitative Methods: Survey Methods               | 5            | 20             |
| L2909^             | Qualitative Methods                                | 5            | 20             |
| L5976^             | Welfare Concepts and Ideas                         | 5            | 20             |
| L8925^             | Comparative Social Policy and Welfare Systems      | 5            | 20             |
| L5981              | Perspectives in Social Research                    | 5            | 20             |
| MS824              | Becoming an Effective Health Analyst               | 5            | 20             |
| MS819              | Health Systems Performance, Financing & Innovation | 5            | 20             |
| V1988              | Gender, Health and Modern Medicine                 | 5            | 20             |

^ if not already taken

Or another 20 credit module as approved by the Programme Director.

Not all optional modules in this list will be available in each academic year.

### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>           | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------|--------------|----------------|
| L5980              | Dissertation in Social Policy | 5            | 60             |
| OR                 |                               |              |                |
| L8926              | Placement-based Dissertation  | 5            | 60             |

### **Progress**

4. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
5. In order to progress to the degree of Master, a student must have successfully accumulated at least 120 credits from the programme curriculum and have submitted a satisfactory proposal for a dissertation.
6. The final award will be based on performance in the assessments, coursework and the dissertation where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Health and Social Policy, a candidate must have accumulated no fewer than 180 credits at Level 5,



of which 60 must have been awarded in respect of the Dissertation L5980 or Placement Dissertation L8926.

8. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Health and Social Policy, a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Health and Social Policy, a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### INTERNATIONAL SOCIAL WELFARE

**Master of Science in International Social Welfare**  
**Postgraduate Diploma in International Social Welfare**  
**Postgraduate Certificate in International Social Welfare**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding see [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Place of Study**

5. In accordance with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| L5976       | Welfare, Concepts and Ideas                        | 5     | 20      |
| L8925       | Comparative Social Policy & Welfare Systems        | 5     | 20      |
| L5992       | International Social Work: Themes and Perspectives | 5     | 20      |
| AND         |                                                    |       |         |
| L2905*      | Quantitative Methods: Survey Methods               | 5     | 20      |
| OR          |                                                    |       |         |

|         |                                      |   |    |
|---------|--------------------------------------|---|----|
| L8918** | Quantitative Methods: Survey Methods | 5 | 20 |
| AND/OR  |                                      |   |    |
| L2909   | Qualitative Methods                  | 5 | 20 |

\*Semester 1

\*\*Semester 2

### **Optional Modules**

No fewer than 40 credits (or 20 credits if both L2905 and L2909 taken) chosen from:

| Module Code | Module Title                                               | Level | Credits |
|-------------|------------------------------------------------------------|-------|---------|
| L5991       | International Social Welfare Project                       | 5     | 20      |
| OR          |                                                            |       |         |
| L5993       | International Social Welfare Project                       | 5     | 20      |
| L8914       | Prisons, Power and Punishment                              | 5     | 20      |
| L8928       | Inequalities and Social Policy                             | 5     | 20      |
| L8927       | Co-Production and Engagement in Health Policy and Practice | 5     | 20      |
| L8924       | Health Policy from an International Perspective            | 5     | 20      |
| L8905       | Risk and Protection in an Organizational Context           | 5     | 20      |
| L8906       | Theory & Practice 2                                        | 5     | 20      |
| L2912       | International Institutions and Regimes                     | 5     | 20      |
| L2916       | Comparative Public Policy                                  | 5     | 20      |
| L2917       | Policy Analysis                                            | 5     | 20      |
| L2962       | Contemporary International Relations                       | 5     | 20      |
| L5981       | Perspectives on Social Research                            | 5     | 20      |
| L5988       | The Contexts of Criminal Justice Research                  | 5     | 20      |
| L5987       | Contemporary Issues in Criminology                         | 5     | 20      |
| EC954       | Economic Appraisal and Modelling                           | 5     | 20      |

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

**Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>                   | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------|--------------|----------------|
| L5944              | Masters Dissertation in Social Work   | 5            | 60             |
| Or                 |                                       |              |                |
| L5980              | Masters Dissertation in Social Policy | 5            | 60             |

Or other modules approved by the Programme Director.

**Progress**

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
8. In order to progress to the degree of Master, a student must have successfully accumulated at least 120 credits from the programme curriculum and have submitted a satisfactory proposal for a dissertation.
9. The final award will be based on performance in the assessments, coursework and the dissertation where undertaken.

**Award**

10. **Degree of MSc:** In order to qualify for the degree of MSc in International Social Welfare, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Social Welfare, a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Social Welfare, a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### MENTAL HEALTH SOCIAL WORK

#### Postgraduate Certificate in Mental Health Social Work

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all successful applicants will be required to have had at least two years of appropriate, post-qualifying professional experience. All applicants must satisfy the requirements for professional registration outlined by the Scottish Social Services Council (SSSC).

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
4. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the normal duration of study shall be 12 months. For those in part time employment it is possible to undertake the programme of study over 24 months. The maximum period of study is normally 24 months but for those in part time employment the maximum period of study is 36 months.

#### Mode of Study

5. The Postgraduate Certificate in Mental Health Social Work is available by part-time study only.

#### Place of Study

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The practice learning component of the programme takes place within the student's employing agency.

#### Curriculum

8. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                             | Level | Credits |
|-------------|--------------------------------------------------------------------------|-------|---------|
| L8920       | Mental Disorder, Mental Health Legislation and Human Rights              | 5     | 30      |
| L8921       | Capacity, Incapacity and the Law in Scotland                             | 5     | 20      |
| L8923       | Working with Individuals with a Mental Disorder and Criminal Proceedings | 5     | 10      |

#### Assessment

9. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

**Progress**

10. All modules contain an assessment of the student's practice. The practice element of the first module completed must be assessed as a pass before the student can progress to subsequent modules.
11. The final award will be based on performance in the assessments.

**Award**

12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Mental Health Social Work a student must have accumulated 60 credits at Level 5 from the programme curriculum.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### RELATIVE MATTERS – GOOD PRACTICE IN KINSHIP CARE

#### Postgraduate Certificate in Relative Matters – Good Practice in Kinship Care

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Applicants are normally qualified social workers or allied professional workers and are required, at the time of starting their programme, to be working in a childcare or family placement-related setting or to be contracted to provide assessment or intervention or consultation services to an agency.
3. Applicants must have clearly agreed and defined access to experiences, which in the Programme Leaders' opinion provide the required practice-based learning.
4. Applicants are required to hold a relevant degree and / or professional qualification.
5. All applicants must be employed by a relevant agency or be working independently in a relevant field.
6. In exceptional circumstances, applicants without appropriate qualifications may be admitted on evidence that they can demonstrate their ability to work at postgraduate level.
7. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate competence level.

#### Duration of Study

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

9. The programme is available by part-time study only.

#### Place of Study

10. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the programme is delivered in accessible locations in Scotland which have agreements with the organisation Adoption and Fostering Alliance (AFA) Scotland.

#### Curriculum

11. All students undertake an approved curriculum as follows:

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| L8911       | The Kinship Care Context in Scotland | 5     | 20      |
| L8913       | The Child in Kinship Care            | 5     | 20      |

|       |                                         |   |    |
|-------|-----------------------------------------|---|----|
| L8912 | Assessing and Supporting Kinship Carers | 5 | 20 |
|-------|-----------------------------------------|---|----|

### **Examination, Progress and Final Assessment**

12. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
13. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates are required to pass written assessments for each module and to have their professional practice observed and verified by an appropriate person.

### **Award**

14. **Postgraduate Certificate:** To qualify for the award of the Postgraduate Certificate in Relative Matters – Good Practice in Kinship Care, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.



# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### SECURING CHILDREN'S FUTURES

#### Postgraduate Certificate in Securing Children's Futures

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Admission is by application. Applicants:
  - i. are normally qualified social workers or allied professional workers, and
  - ii. are required, at the time of starting their programme, to be working in a childcare or family placement-related setting or to be contracted to provide assessment or intervention or consultation services to an agency, and
  - iii. must have clearly agreed and defined access to experiences, which in the opinion of the Programme Directors provide the required practice-based learning, and
  - iv. are required to hold a relevant degree and/or professional qualification, and
  - v. are required to be employed by a relevant agency or be working independently in a relevant field.
2. In exceptional circumstances, applicants without appropriate qualifications may be admitted on evidence that they can demonstrate their ability to work at post graduate level.

#### Duration of Study

3. The normal duration of study is nine months.

#### Mode of Study

4. The Postgraduate Certificate in Securing Children's Futures – Good Practice in Permanence Planning and Family Placement is available in part time study only. The programme is modular in nature.

#### Place of Study

5. The programme is delivered in accessible locations in Scotland. The Post Graduate Certificate in Securing Children's Futures is delivered by the Association for Fostering, Kinship and Adoption Scotland (AFKA); the taught components of the programme are delivered at locations which have agreements with AFKA Scotland.

#### Curriculum

6. All students undertake a curriculum based on the accumulation of 60 credits, derived from the following:

#### Compulsory Modules

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| L5979       | Setting the Context       | 5     | 20      |
| L5977       | Keeping the Child Central | 5     | 20      |

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| L5978 | Assessing and Supporting Carers | 5 | 20 |
|-------|---------------------------------|---|----|

### **Assessment**

7. Candidates are required to pass written assessments for each module and to have their professional practice observed and verified by an appropriate person.
8. Candidates who fail to reach the required standard in any module are permitted one further attempt to pass that module.
9. Progression from one module to the next is not prohibited if a student has to re-submit. A timescale for re-submission of the failed assessment is negotiated. Candidates are required to 'pass' each assessed module to achieve the award of the post graduate certificate.
10. If a candidate fails to reach the required standard in any assignment they can continue on the programme and be awarded fifteen credits for each module 'passed'

### **Award**

11. The final award is a Postgraduate Certificate for which the candidate must have accumulated 60 credits from the three assessed modules.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### SOCIAL POLICY (RESEARCH METHODS)

Master of Science in Social Policy (Research Methods)

Postgraduate Diploma in Social Policy (Research Methods)

Postgraduate Certificate in Social Policy (Research Methods)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| L5981       | Perspectives on Social Research             | 5     | 20      |
| L2909       | Qualitative Methods                         | 5     | 20      |
| L5976       | Welfare Concepts and Ideas                  | 5     | 20      |
| L8925       | Comparative Social Policy & Welfare Systems | 5     | 20      |
| And either  |                                             |       |         |
| L2905*      | Quantitative Methods: Survey Methods        | 5     | 20      |
| Or          |                                             |       |         |
| L8918**     | Quantitative Methods: Survey Methods        | 5     | 20      |

\*Semester 1

\*\*Semester 2

#### Optional Modules

No fewer than 20 credits chosen from the approved option list below:

| Module Code | Module Title                                    | Level | Credits |
|-------------|-------------------------------------------------|-------|---------|
| L5974*      | Advanced Project                                | 5     | 20      |
| Or          |                                                 |       |         |
| L5990**     | Advanced Project                                | 5     | 20      |
| L2908       | Quantitative Methods 2                          | 5     | 20      |
| L2916       | Comparative Public Policy                       | 5     | 20      |
| L2917       | Policy Analysis                                 | 5     | 20      |
| L2912       | International Institutions and Regimes          | 5     | 20      |
| L5988       | The Contexts of Criminal Justice Research       | 5     | 20      |
| L5987       | Contemporary Issues in Criminology              | 5     | 20      |
| L8928       | Inequalities and Social Policy                  | 5     | 20      |
| L8914       | Prisons, Power and Punishment                   | 5     | 20      |
| L8924       | Health Policy from an International Perspective | 5     | 20      |

Or another module approved by the Programme Director.

\*Semester 1

\*\*Semester 2

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

#### Students for the degree of MSc only:

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| L5980       | Dissertation in Social Policy | 5     | 60      |

#### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the assessments, coursework, and the dissertation where undertaken.

#### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Social Policy (Research Methods), a candidate must have accumulated no fewer than 180 credits at Level 5, of which 60 must have been awarded in respect of the Dissertation L5980.
- Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Social Policy (Research Methods), a student must have accumulated no fewer than 120 credits from the taught modules of the programme.

9. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Social Policy (Research Methods), a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### SOCIAL POLICY

Master of Science in Social Policy  
Postgraduate Diploma in Social Policy  
Postgraduate Certificate in Social Policy

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

##### Compulsory Modules

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| L5981       | Perspectives on Social Research             | 5     | 20      |
| L5976       | Welfare Concepts and Ideas                  | 5     | 20      |
| L8925       | Comparative Social Policy & Welfare Systems | 5     | 20      |
| And either  |                                             |       |         |
| L2909       | Qualitative Methods                         | 5     | 20      |
| Or          |                                             |       |         |
| L2905*      | Quantitative Methods: Survey Methods        | 5     | 20      |
| Or          |                                             |       |         |
| L8918**     | Quantitative Methods: Survey Methods        | 5     | 20      |

\*Semester 1

\*\*Semester 2

##### Optional Modules

No fewer than 40 credits chosen from the approved option list below:

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| L5974*      | Advanced Project                                       | 5     | 20      |
| Or          |                                                        |       |         |
| L5990**     | Advanced Project                                       | 5     | 20      |
| L2908       | Quantitative Methods 2                                 | 5     | 20      |
| L2916       | Comparative Public Policy                              | 5     | 20      |
| L2917       | Policy Analysis                                        | 5     | 20      |
| L2912       | International Institutions and Regimes                 | 5     | 20      |
| L5988       | The Contexts of Criminal Justice Research              | 5     | 20      |
| L5987       | Contemporary Issues In Criminology                     | 5     | 20      |
| L8914       | Prisons, Power and Punishment                          | 5     | 20      |
| L8928       | <u>Inequalities and Social Policy</u>                  | 5     | 20      |
| L8924       | <u>Health Policy from an International Perspective</u> | 5     | 20      |

Or another module approved by the Programme Director. Not all optional modules on this list will be available in each academic year.

\*Semester 1

\*\*Semester 2

#### Students for the degree of MSc only:

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| L5980       | Dissertation in Social Policy | 5     | 60      |

#### Progress

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the assessments, coursework, and the dissertation where undertaken.

#### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Social Policy, a candidate must have accumulated no fewer than 180 credits at Level 5, of which 60 must have been awarded in respect of the Dissertation L5980.
- Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Social Policy, a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Social Policy, a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## SOCIAL WORK AND SOCIAL POLICY

### SOCIAL WORK (RESEARCH METHODS)

Master of Science in Social Work (Research Methods)  
Postgraduate Diploma in Social Work (Research Methods)  
Postgraduate Certificate in Social Work (Research Methods)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree in any discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. The programme shall run for 12 months full time and 24 months part time. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Place of Study

5. Except where Senate has approved distance learning arrangements for off campus delivery, study shall normally be undertaken within the University or within an institution or agency approved by Senate for the purpose.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| L5981       | Perspectives on Social Research             | 5     | 20      |
| L2905       | Quantitative Methods                        | 5     | 20      |
| L2909       | Qualitative Methods                         | 5     | 20      |
| L5985       | The Use of Evidence in Social Work Research | 5     | 20      |



|       |                                     |   |    |
|-------|-------------------------------------|---|----|
| L5984 | The Context of Social Work Research | 5 | 20 |
| L5983 | Evaluation and Policy Research      | 5 | 20 |

**Students for the degree of MSc only:**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| L5982       | Masters Dissertation in Social Work | 5     | 60      |

**Progress**

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. The final assessment will be based on performance in all elements of the coursework and the dissertation.

**Award**

9. **Degree of MSc:** In order to qualify for the degree of MSc in Social Work (Research Methods), a candidate must have accumulated no fewer than 120 credits from the taught modules on the course and a 60 credit Social Work Dissertation L5982.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Social Work (Research Methods) a candidate must normally have accumulated no fewer than 90 credits from the taught modules of the programme.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Social Work (Research Methods) a candidate must normally have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## DEPARTMENT OF SOCIAL WORK AND SOCIAL POLICY

### SOCIAL WORK

#### Master of Social Work

#### Postgraduate Diploma in Social Work

#### Postgraduate Certificate in Social Studies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In addition, all successful applicants must satisfy the requirements for professional registration by the Scottish Social Services Council (SSSC).

#### Duration of Study

3. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the minimum duration of study will be 24 months and the maximum duration will be 48 months.

#### Mode of Study

4. The Postgraduate Diploma in Social Work is available by full-time study only. The dissertation element of the Master of Social Work is available by full-time and part-time study.

#### Place of Study

5. The programme includes study at the University of Strathclyde and placement out with the University campus.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of Master – no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                                                             | Level | Credits |
|-------------|--------------------------------------------------------------------------|-------|---------|
| L8901       | Social Policy Law and Social Work Organisations                          | 5     | 20      |
| L8902       | Theory, Practice and Professional Development                            | 5     | 20      |
| L8903       | Practice 1                                                               | 5     | 20      |
| L5968       | Research Methods: Effective & Ethical Research in Residential Child Care | 5     | 20      |
| L8905       | Risk and Protection in Organisational Contexts                           | 5     | 20      |
| L8906       | Theory and Practice 2                                                    | 5     | 20      |

|       |                  |   |    |
|-------|------------------|---|----|
| L8907 | Practice 2       | 5 | 20 |
| L8909 | MSW Dissertation | 5 | 40 |

### Progress

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. In order to progress to the Postgraduate Diploma in Social Work, a student must have successfully accumulated at least 60 credits from the programme curriculum, including L8901, L8902 and L8903.
9. In order to progress to the degree of Master, a student must have successfully accumulated at least 120 credits from the programme curriculum and have submitted a satisfactory proposal for a dissertation.
10. The final award will be based on performance in the assessments, coursework, and the dissertation where undertaken.

### Award

11. **Degree of Master of Social Work:** In order to qualify for the award of the degree of Master of Social Work, a student must have accumulated no fewer than 180 credits of which 40 must have been awarded in respect of the dissertation L8909.
12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Social Work, a student must have accumulated no fewer than 120 credits from the programme curriculum, including L8901 Social Policy, Law and Social Work Organisations, L8902 Theory, Practice and Professional Development, L8903 Practice 1, L8905 Risk and Protection in Organisational Contexts, L8906 Theory and Practice 2, and L8907 Practice 2.
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Social Studies, a student must have accumulated no fewer than 60 credits at Level 5 from the programme curriculum.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ACCOUNTING AND FINANCE

### FINANCE AND MANAGEMENT

**Master of Science in Finance and Management**  
**Postgraduate Diploma in Finance and Management**  
**Postgraduate Certificate in Finance and Management**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Business Studies, Mathematics, Statistics or Computing); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
  - iii. for the degree of MSc no fewer than 180 credits including all the compulsory modules and a dissertation or project

#### **Compulsory Modules**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG910       | Principles of Finance                     | 5     | 20      |
| AG911       | Accounting and Financial Analysis         | 5     | 20      |
| AG912       | International Financial Markets & Banking | 5     | 20      |
| MG931       | Business Strategy                         | 5     | 10      |
| MG934       | Professional Management Practice          | 5     | 20      |

Students must choose 50 credits from the following including at least 10 credits from list A and 10 credits from list B.

**List A**

| <b>Module Code</b> | <b>Module Title</b>         | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------|--------------|----------------|
| AG917              | Topics in Corporate Finance | 5            | 10             |
| AG916              | Behavioural Finance         | 5            | 10             |
| AG929              | Derivatives                 | 5            | 10             |
| AG937              | Fixed Income Analysis       | 5            | 10             |
| AG938              | Equity Analysis             | 5            | 10             |

**List B**

| <b>Module Code</b> | <b>Module Title</b>                                      | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------|--------------|----------------|
| EC936              | Games of Strategy                                        | 5            | 10             |
| MG831              | Commercial Management in Projects                        | 5            | 10             |
| MG861              | Project Management                                       | 5            | 10             |
| MG870              | Digital Transformation                                   | 5            | 10             |
| MG872              | Strategic Thinking for Global Challenges & Opportunities | 5            | 10             |
| MG874              | The Game Changer                                         | 5            | 10             |
| MG931              | Business Strategy                                        | 5            | 10             |
| MG936              | Strategic Financial Management                           | 5            | 10             |
| MG938              | New Venture Creation                                     | 5            | 10             |
| MG956              | Brand Management & Strategy                              | 5            | 10             |
| MG961              | Global Business Environment                              | 5            | 20             |
| MS976              | Service Operations & Simulation                          | 5            | 10             |
| MG955              | Managing in Europe (Toulouse)                            | 5            | 10             |

Or other modules approved by the Programme Director.

Not all optional modules on this list will be available in each academic year.

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| AG941       | Finance Project    | 5     | 20      |
| MG841       | Management Project | 5     | 20      |

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework, the research projects where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of the MSc in Finance and Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the projects AG941 and MG841.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Finance and Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Finance and Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ACCOUNTING AND FINANCE

### FINANCE

**Master of Science in Finance**  
**Postgraduate Diploma in Finance**  
**Postgraduate Certificate in Finance**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Mathematics, Statistics or Computing); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time or part-time study or by open-learning.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including all the compulsory modules and a dissertation or project.

#### **Compulsory Modules (September start)**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG909       | Quantitative Methods for Finance          | 5     | 20      |
| AG910       | Principles of Finance                     | 5     | 20      |
| AG911       | Accounting & Financial Analysis           | 5     | 20      |
| AG912       | International Financial Markets & Banking | 5     | 20      |
| AG915       | Advanced Corporate Finance & Applications | 5     | 20      |

|       |                                     |   |    |
|-------|-------------------------------------|---|----|
| AG925 | Derivatives and Treasury Management | 5 | 20 |
|-------|-------------------------------------|---|----|

**Compulsory Modules (January start)**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG988       | Quantitative Methods for Finance          | 5     | 20      |
| AG989       | Principles of Finance                     | 5     | 20      |
| AG990       | Accounting & Financial Analysis           | 5     | 20      |
| AG991       | International Financial Markets & Banking | 5     | 20      |
| AG993       | Advanced Corporate Finance & Applications | 5     | 20      |
| AG997       | Derivatives and Treasury Management       | 5     | 20      |

**Students for the degree of MSc only (September start):**

| Module Code                                                                 | Module Title       | Level | Credits |
|-----------------------------------------------------------------------------|--------------------|-------|---------|
| AG942                                                                       | Research Project 1 | 5     | 20      |
| AG943                                                                       | Research Project 2 | 5     | 20      |
| Or (in exceptional circumstances and at the Programme Leader's discretion): |                    |       |         |
| AG913                                                                       | Dissertation       | 5     | 40      |

**Students for the degree of MSc only (January start):**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| AG998       | Research Project 1 | 5     | 20      |
| AG999       | Research Project 2 | 5     | 20      |

**Optional Modules (September Start)**

20 credits chosen from:

| Module Code | Module Title          | Level | Credits |
|-------------|-----------------------|-------|---------|
| AG916       | Behavioural Finance   | 5     | 10      |
| AG920       | Management Accounting | 5     | 10      |



|       |                               |   |    |
|-------|-------------------------------|---|----|
| AG923 | Empirical Methods in Finance  | 5 | 10 |
| AG924 | Portfolio Theory & Management | 5 | 10 |
| MS988 | Financial Modelling for Excel | 5 | 10 |
| AG937 | Fixed Income Analysis         | 5 | 10 |
| AG938 | Equity Analysis               | 5 | 10 |

### **Optional Modules (January Start)**

20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>           | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------|--------------|----------------|
| AG994              | Management Accounting         | 5            | 10             |
| AG995              | Empirical Methods in Finance  | 5            | 10             |
| AG996              | Portfolio Theory & Management | 5            | 10             |
| AG987              | Fixed Income Analysis         | 5            | 10             |
| AG986              | Equity Analysis               | 5            | 10             |

Such other Level 5 modules as may be approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of the MSc in Finance, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which for the September intake 40 credits must have been awarded in respect of the research projects AG942 and AG943 or in exceptional circumstances the dissertation AG913, or for the January intake 40 credits must have been awarded in respect of the research projects AG998 and AG999.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Finance, a candidate must have accumulated no fewer than 120 credits from the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Finance, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ACCOUNTING AND FINANCE

### FINANCIAL TECHNOLOGY (FINTECH)

**Master of Science in Financial Technology (FinTech)**

**Postgraduate Diploma in Financial Technology (FinTech)**

**Postgraduate Certificate in Financial Technology (FinTech)**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Business Studies, Mathematics, Statistics or Computing); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the Degree of MSc no fewer than 180 credits including a dissertation

#### **Compulsory Modules**

| Module Code | Module Title                                         | Level | Credits |
|-------------|------------------------------------------------------|-------|---------|
| AG910       | Principles of Finance                                | 5     | 20      |
| AG919       | Risk Management for Banks                            | 5     | 10      |
| AG945       | Fintech Innovations, Applications and Considerations | 5     | 10      |
| MS922       | Quantitative Business Analysis                       | 5     | 10      |
| AG947       | Sustainable Finance and Technology                   | 5     | 10      |

|       |                                          |   |    |
|-------|------------------------------------------|---|----|
| MS928 | Business Information Systems             | 5 | 10 |
| MS815 | Programming for Financial Technology     | 5 | 10 |
| MS994 | Becoming an Effective Technology Analyst | 5 | 20 |
| CS989 | Big Data Fundamentals                    | 5 | 10 |

### **Optional Modules**

No fewer than 10 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------|--------------|----------------|
| CS983              | Evolutionary Computation for Finance 1              | 5            | 10             |
| CS988              | Big Data Tools and Techniques                       | 5            | 10             |
| CS986              | Fundamentals of Machine Learning for Data Analytics | 5            | 10             |

No fewer than 10 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------|--------------|----------------|
| MS986              | Stochastic Modelling for Analytics | 5            | 10             |
| MS926              | Business Simulation Modelling      | 5            | 10             |
| MS927              | Risk Analysis and Management       | 5            | 10             |

No fewer than 10 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>             | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------|--------------|----------------|
| AG924              | Portfolio Theory and Management | 5            | 10             |
| AG929              | Derivatives                     | 5            | 10             |
| AG937              | Fixed Income Analysis           | 5            | 10             |

Not all optional modules on this list will be available in each academic year.

**Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| AG940              | Finance Project     | 5            | 20             |

|                                                                               |                            |   |    |
|-------------------------------------------------------------------------------|----------------------------|---|----|
| MS996                                                                         | Management Science Project | 5 | 20 |
| Or<br>(in exceptional circumstances and at the Programme Leader's discretion) |                            |   |    |
| AG932                                                                         | Dissertation               | 5 | 40 |

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework, and the dissertation or research projects.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Financial Technology (FinTech), a candidate must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the research projects AG940 & MS996 or in exceptional circumstances the dissertation AG932.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Financial Technology (FinTech), a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate Financial Technology (FinTech), a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ACCOUNTING AND FINANCE

### INTERNATIONAL ACCOUNTING AND FINANCE

**Master of Science in International Accounting and Finance**  
**Postgraduate Diploma in International Accounting and Finance**  
**Postgraduate Certificate in International Accounting and Finance**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom University, to include a significant element of accounting which may be included within a broader relevant area such as Finance, Economics, Mathematics, Statistics or Computing); or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants, whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation or project.

#### **Compulsory Modules (September Start)**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG909       | Quantitative Methods for Finance          | 5     | 20      |
| AG910       | Principles of Finance                     | 5     | 20      |
| AG911       | Accounting & Financial Analysis           | 5     | 20      |
| AG912       | International Financial Markets & Banking | 5     | 20      |

|       |                                           |   |    |
|-------|-------------------------------------------|---|----|
| AG914 | Advanced Accounting                       | 5 | 20 |
| AG915 | Advanced Corporate Finance & Applications | 5 | 20 |
| AG920 | Management Accounting                     | 5 | 10 |

### **Compulsory Modules (January Start)**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG988       | Quantitative Methods for Finance          | 5     | 20      |
| AG989       | Principles of Finance                     | 5     | 20      |
| AG990       | Accounting & Financial Analysis           | 5     | 20      |
| AG991       | International Financial Markets & Banking | 5     | 20      |
| AG992       | Advanced Accounting                       | 5     | 20      |
| AG993       | Advanced Corporate Finance & Applications | 5     | 20      |
| AG994       | Management Accounting                     | 5     | 10      |

### **Students for the degree of MSc only (September start):**

| Module Code                                                                    | Module Title       | Level | Credits |
|--------------------------------------------------------------------------------|--------------------|-------|---------|
| AG942                                                                          | Research Project 1 | 5     | 20      |
| AG943                                                                          | Research Project 2 | 5     | 20      |
| Or<br>(in exceptional circumstances and at the Programme Leader's discretion): |                    |       |         |
| AG913                                                                          | Dissertation       | 5     | 40      |

### **Students for the degree of MSc only (January start):**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| AG998       | Research Project 1 | 5     | 20      |
| AG999       | Research Project 2 | 5     | 20      |

### **Optional Modules (September Start)**

10 credits chosen from:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| AG923 | Empirical Methods in Finance    | 5 | 10 |
| AG924 | Portfolio Theory and Management | 5 | 10 |
| MS988 | Financial Modelling for Excel   | 5 | 10 |
| AG937 | Fixed Income Analysis           | 5 | 10 |
| AG938 | Equity Analysis                 | 5 | 10 |

Not all optional modules on this list will be available in each academic year.

### **Optional Modules (January Start)**

10 credits chosen from:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| AG995       | Empirical Methods in Finance    | 5     | 10      |
| AG996       | Portfolio Theory and Management | 5     | 10      |
| AG987       | Fixed Income Analysis           | 5     | 10      |
| AG986       | Equity Analysis                 | 5     | 10      |

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of the MSc in International Accounting and Finance, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the research projects AG942 and AG943 (September) or AG998 and AG999 (January), or in exceptional circumstances the dissertation AG913 (September only).
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Accounting and Finance, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Accounting and Finance, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ACCOUNTING AND FINANCE

### INTERNATIONAL BANKING AND FINANCE

**Master of Science in International Banking and Finance**  
**Postgraduate Diploma in International Banking and Finance**  
**Postgraduate Certificate in International Banking and Finance**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Economics, Mathematics, Statistics or Computing); or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation or project.

#### **Compulsory Modules**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG909       | Quantitative Methods for Finance          | 5     | 20      |
| AG910       | Principles of Finance                     | 5     | 20      |
| AG911       | Accounting & Financial Analysis           | 5     | 20      |
| AG912       | International Financial Markets & Banking | 5     | 20      |



|       |                                     |   |    |
|-------|-------------------------------------|---|----|
| AG917 | Topics in Corporate Finance         | 5 | 10 |
| AG919 | Risk Management of Banks            | 5 | 10 |
| AG922 | Financial Management of Banks       | 5 | 10 |
| AG925 | Derivatives and Treasury Management | 5 | 20 |

**Students for the degree of MSc only:**

| Module Code                                                                 | Module Title       | Level | Credits |
|-----------------------------------------------------------------------------|--------------------|-------|---------|
| AG942                                                                       | Research Project 1 | 5     | 20      |
| AG943                                                                       | Research Project 2 | 5     | 20      |
| Or (in exceptional circumstances and at the Programme Leader's discretion): |                    |       |         |
| AG913                                                                       | Dissertation       | 5     | 40      |

### **Optional Modules**

10 credits chosen from:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| AG916       | Behavioural Finance             | 5     | 10      |
| AG920       | Management Accounting           | 5     | 10      |
| AG923       | Empirical Methods in Finance    | 5     | 10      |
| AG924       | Portfolio Theory and Management | 5     | 10      |
| MS988       | Financial Modelling for Excel   | 5     | 10      |
| AG937       | Fixed Income Analysis           | 5     | 10      |
| AG938       | Equity Analysis                 | 5     | 10      |

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of the MSc in International Banking and Finance, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the research projects AG942 and AG943 or in exceptional circumstances the dissertation AG913.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Banking and Finance, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Banking and Finance, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ACCOUNTING AND FINANCE

### INVESTMENT AND FINANCE

**Master of Science in Investment and Finance**  
**Postgraduate Diploma in Investment and Finance**  
**Postgraduate Certificate in Investment and Finance**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Economics, Mathematics, Statistics or Computing); or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation or project

#### **Compulsory Modules (September Start)**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG909       | Quantitative Methods for Finance          | 5     | 20      |
| AG910       | Principles of Finance                     | 5     | 20      |
| AG911       | Accounting & Financial Analysis           | 5     | 20      |
| AG912       | International Financial Markets & Banking | 5     | 20      |
| AG917       | Topics in Corporate Finance               | 5     | 10      |

|       |                                   |   |    |
|-------|-----------------------------------|---|----|
| AG924 | Portfolio Theory & Management     | 5 | 10 |
| AG925 | Derivatives & Treasury Management | 5 | 20 |
| AG938 | Equity Analysis                   | 5 | 10 |

**Compulsory Modules (January Start)**

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG988       | Quantitative Methods for Finance          | 5     | 20      |
| AG989       | Principles of Finance                     | 5     | 20      |
| AG990       | Accounting & Financial Analysis           | 5     | 20      |
| AG991       | International Financial Markets & Banking | 5     | 20      |
| AG985       | Topics in Corporate Finance               | 5     | 10      |
| AG996       | Portfolio Theory & Management             | 5     | 10      |
| AG997       | Derivatives & Treasury Management         | 5     | 20      |
| AG986       | Equity Analysis                           | 5     | 10      |

**Students for the degree of MSc only (September Start):**

| Module Code                                                                    | Module Title       | Level | Credits |
|--------------------------------------------------------------------------------|--------------------|-------|---------|
| AG942                                                                          | Research Project 1 | 5     | 20      |
| AG943                                                                          | Research Project 2 | 5     | 20      |
| Or<br>(in exceptional circumstances and at the Programme Leader's discretion): |                    |       |         |
| AG913                                                                          | Dissertation       | 5     | 40      |

**Students for the degree of MSc only (January Start):**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| AG998       | Research Project 1 | 5     | 20      |
| AG999       | Research Project 2 | 5     | 20      |

**Optional Modules (September Start)**

10 credits chosen from:

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| AG923       | Empirical Methods in Finance  | 5     | 10      |
| AG916       | Behavioural Finance           | 5     | 10      |
| MS988       | Financial Modelling for Excel | 5     | 10      |
| AG937       | Fixed Income Analysis         | 5     | 10      |

Not all optional modules on this list will be available in each academic year.

### **Optional Modules (January Start)**

10 credits chosen from:

| Module Code | Module Title                 | Level | Credits |
|-------------|------------------------------|-------|---------|
| AG995       | Empirical Methods in Finance | 5     | 10      |
| AG987       | Fixed Income Analysis        | 5     | 10      |
| AG994       | Management Accounting        | 5     | 10      |

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of the MSc in Investment and Finance, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which for the September intake 40 credits must have been awarded in respect of the research projects AG942 and AG943 or in exceptional circumstances the dissertation AG913, or for the January intake must have been awarded in respect of the research projects AG998 and AG999.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Investment and Finance, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Investment and Finance, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLDE BUSINESS SCHOOL

## DEPARTMENT OF ACCOUNTING AND FINANCE

### SUSTAINABLE FINANCE

**Master of Science in Sustainable Finance**  
**Postgraduate Diploma in Sustainable Finance**  
**Postgraduate Certificate in Sustainable Finance**

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. A 2.1 honours degree or equivalent; or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of study**

3. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of study**

4. The programme is available by full-time study only.

#### **Place of study**

5. In accordance with the [General Postgraduate Regulations or General Undergraduate Regulations](#), some off-campus work may be required.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 180 credits including a 40 credits from the research projects,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the Postgraduate Certificate no fewer than 60 credits, including 40 credits from modules marked ♦ and 20 credits from modules marked •.

#### **Compulsory Modules**

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| AG909       | Quantitative Methods for Finance♦            | 5     | 20      |
| AG910       | Principles of Finance♦                       | 5     | 20      |
| AG912       | International Financial Markets and Banking♦ | 5     | 20      |

|       |                                                 |   |    |
|-------|-------------------------------------------------|---|----|
| AG948 | Sustainable Finance*                            | 5 | 10 |
| AG946 | Sustainability Accounting: Theory and Practice* | 5 | 10 |
| AG949 | Applications of Sustainable Finance *           | 5 | 20 |
| AG947 | Sustainable Finance and Technology              | 5 | 10 |

### **Optional Modules**

Students should select 30 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>            | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------|--------------|----------------|
| AG916              | Behavioural Finance            | 5            | 10             |
| AG919              | Risk Management for Banks      | 5            | 10             |
| AG920              | Management Accounting          | 5            | 10             |
| AG922              | Financial Management for Banks | 5            | 10             |
| AG923              | Empirical Methods for Finance  | 5            | 10             |
| AG924              | Portfolio Theory Management    | 5            | 10             |
| AG929              | Derivatives                    | 5            | 10             |
| AG937              | Fixed Income Analysis          | 5            | 10             |
| AG938              | Equity Analysis                | 5            | 10             |

Or other modules approved by the Programme Director. Not all optional modules on this list will be available in each academic year.

### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| AG942              | Project 1           | 5            | 20             |
| AG950              | Project 2           | 5            | 20             |

### **Progress**

7. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
8. In order to progress to the MSc degree of Sustainable Finance, a student must have successfully accumulated at least 140 credits from the programme curriculum and taught component.

9. The final award will be based on performance in the assessments, coursework and the research projects where undertaken.

#### **Award**

10. **Degree of MSc:** In order to qualify for the degree of MSc in Sustainable Finance, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the research projects/dissertation.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Sustainable Finance, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Sustainable Finance, a candidate must have accumulated no fewer than 60 credits from the programme curriculum, as outlined in Regulation 6.



# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ECONOMICS

### APPLIED ECONOMICS

Master of Science in Applied Economics  
Master of Science in Applied Economics (online)  
Postgraduate Diploma in Applied Economics  
Postgraduate Certificate in Applied Economics  
Postgraduate Diploma in Economic Policy Development  
Postgraduate Certificate in Economic Policy Development

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom university, in which Economics constitutes a significant component; or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to the above; or
  - iii. have demonstrated competence in Economics obtained at a level of performance acceptable to the Programme Director.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time, part-time study and by online learning.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate in Applied Economics no fewer than 60 credits from the compulsory taught modules listed below,
  - ii. for the Postgraduate Certificate in Economic Policy Development no fewer than 60 credits of taught modules,
  - iii. for the Postgraduate Diploma in Applied Economics or Economic Policy Development no fewer than 120 credits including all the appropriate compulsory taught modules listed below,
  - iv. for the degree of MSc no fewer than 180 credits.

#### Compulsory Modules (Applied Economics on campus)

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| EC947       | Topics in Public Economics | 5     | 10      |

|       |                                         |   |    |
|-------|-----------------------------------------|---|----|
| EC948 | Fundamentals of Macroeconomics          | 5 | 10 |
| EC949 | International Macroeconomics            | 5 | 10 |
| EC951 | Analysis of Economic Data               | 5 | 20 |
| EC952 | Professional Development for Economists | 5 | 20 |
| EC953 | Fundamentals of Microeconomics          | 5 | 10 |
| EC954 | Economic Appraisal and Modelling        | 5 | 20 |

### **Compulsory Modules (Applied Economics online)**

| <b>Module Code</b> | <b>Module Title</b>                     | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------|--------------|----------------|
| EC965              | Topics in Public Economics              | 5            | 10             |
| EC968              | Fundamentals of Macroeconomics          | 5            | 10             |
| EC966              | International Macroeconomics            | 5            | 10             |
| EC969              | Analysis of Economic Data               | 5            | 20             |
| EC983              | Professional Development for Economists | 5            | 20             |
| EC967              | Fundamentals of Microeconomics          | 5            | 10             |
| EC984              | Economic Appraisal and Modelling        | 5            | 20             |

### **Compulsory Modules (Economic Policy Development)**

|       |                             |   |     |
|-------|-----------------------------|---|-----|
| EC962 | Regional Development Policy | 5 | 10* |
|-------|-----------------------------|---|-----|

### **Optional Modules (Applied Economics on campus)**

No fewer than 40 credits chosen from the list below, and any other deemed appropriate by the Programme Leader:

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| EC915              | Games of Strategy                        | 5            | 10             |
| EC927              | Environmental Economics                  | 5            | 10             |
| EC928              | Energy Economics                         | 5            | 10             |
| EC956              | International Development                | 5            | 10             |
| EC961              | Economic Inequality and Inclusive Growth | 5            | 10             |
| EC962              | Regional Development Policy              | 5            | 10             |

|       |                          |   |    |
|-------|--------------------------|---|----|
| EC974 | Climate Change Economics | 5 | 10 |
| EC982 | Health Economics         | 5 | 10 |

### **Optional Modules (Applied Economics online)**

No fewer than 40 credits from the list below, and any other deemed appropriate by the Programme Leader:

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| EC958              | Games of Strategy                        | 5            | 10             |
| EC959              | Environmental Economics                  | 5            | 10             |
| EC960              | Energy Economics                         | 5            | 10             |
| EC957              | International Development                | 5            | 10             |
| EC985              | Economic Inequality and Inclusive Growth | 5            | 10             |
| ECxxx              | Climate Change Economics                 | 5            | 10             |
| EC986              | Health Economics                         | 5            | 10             |

### **Optional Modules (Economic Policy Development)**

Students for the PgCert should select no fewer than 50 credits, and students for the PG Dip should select no fewer than 110 credits from the list below, and any other deemed appropriate by the Programme Leader:

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| EC947              | Topics in Public Economics               | 5            | 10             |
| EC948              | Fundamentals of Macroeconomics           | 5            | 10             |
| EC949              | International Macroeconomics             | 5            | 10             |
| EC975              | Economic Data Analysis                   | 5            | 10             |
| EC953              | Fundamentals of Microeconomics           | 5            | 10             |
| EC915              | Games of Strategy                        | 5            | 10             |
| EC927              | Environmental Economics                  | 5            | 10             |
| EC928              | Energy Economics                         | 5            | 10             |
| EC956              | International Development                | 5            | 10             |
| EC961              | Economic Inequality and Inclusive Growth | 5            | 10             |

|       |                                  |   |    |
|-------|----------------------------------|---|----|
| EC974 | Climate Change Economics         | 5 | 10 |
| EC982 | Health Economics                 | 5 | 10 |
| EC922 | Principles of Economic Appraisal | 5 | 10 |
| EC950 | Economic Modelling               | 5 | 10 |

**Students for the degree of MSc only (on campus):**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| EC930       | Summer Project | 5     | 40      |

**Students for the degree of MSc only (online):**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| EC987       | Summer Project | 5     | 40      |

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, the coursework and the Summer Project where undertaken.

**Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Applied Economics, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the relevant Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Economics or Economic Policy Development, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applied Economics or Economic Policy Development, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ECONOMICS

### ECONOMICS AND FINANCE

**Master of Science in Economics and Finance**  
**Postgraduate Diploma in Economics and Finance**  
**Postgraduate Certificate in Economics and Finance**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Mathematics, Statistics or Computing); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including all the compulsory modules and a dissertation or project.

#### **Compulsory Modules**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| AG910       | Principles of Finance           | 5     | 20      |
| AG911       | Accounting & Financial Analysis | 5     | 20      |
| EC948       | Fundamentals of Macroeconomics  | 5     | 10      |
| EC949       | International Macroeconomics    | 5     | 10      |

|       |                                         |   |    |
|-------|-----------------------------------------|---|----|
| EC951 | Analysis of Economic Data               | 5 | 20 |
| EC952 | Professional Development for Economists | 5 | 20 |
| EC953 | Fundamentals of Microeconomics          | 5 | 10 |

And no fewer than 20 credits from:

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG915       | Advanced Corporate Finance & Applications | 5     | 20      |
| AG925       | Derivatives and Treasury Management       | 5     | 20      |
| AG917       | Topics in Corporate Finance               | 5     | 10      |
| AG929       | Derivatives                               | 5     | 10      |

### **Optional Modules**

10 credits chosen from:

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| AG916       | Behavioural Finance                          | 5     | 10      |
| AG918       | Security Analysis                            | 5     | 10      |
| AG920       | Management Accounting                        | 5     | 10      |
| AG921       | International Accounting                     | 5     | 10      |
| AG924       | Portfolio Theory and Management              | 5     | 10      |
| EC947       | Topics in Public Economics                   | 5     | 10      |
| EC927       | Environmental Economics                      | 5     | 10      |
| EC928       | Energy Economics                             | 5     | 10      |
| EC956       | International Development                    | 5     | 10      |
| EC915       | Games of Strategy                            | 5     | 10      |
| EC961       | Economics of Inequality and Inclusive Growth | 5     | 10      |
| EC962       | Regional Development Policy                  | 5     | 10      |

Or such other Level 5 modules as may be approved by the Programme Director.

Not all optional modules will be available every year.

**Students for the degree of MSc only:**

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| Either      |                    |       |         |
| EC930       | Summer Project     | 5     | 40      |
| Or          |                    |       |         |
| AG942       | Research Project 1 | 5     | 20      |
| AG943       | Research Project 2 | 5     | 20      |

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework, the dissertation where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of the MSc in Economics and Finance, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the dissertation EC930 Summer Project or Research Project 1 AG942 and AG943 Research Project 2.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Economics and Finance, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Economics and Finance, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF ECONOMICS

### ECONOMICS AND POLICY OF ENERGY AND CLIMATE CHANGE

Master of Science in Economics and Policy of Energy and Climate Change  
Master of Science in Economics and Policy of Energy and Climate Change (Online)  
Postgraduate Diploma in Economics and Policy of Energy and Climate Change  
Postgraduate Certificate in Economics and Policy of Energy and Climate Change

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or second class Honours degree of a United Kingdom university, in which relevant disciplines constitute a significant component; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to the above: or
  - iii. have demonstrated competence in a relevant discipline obtained at a level of performance acceptable to the Programme Leader.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The on campus programmes are available by full-time and part-time study. The online programme is available by part-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the compulsory modules
  - ii. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
  - iii. for the degree of MSc no fewer than 180 credits, including the project

#### Compulsory Modules (On Campus)

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| EC975       | Economic Data Analysis                           | 5     | 10      |
| EC978       | Natural Resources, Sustainability and Governance | 5     | 10      |



|       |                                                 |   |    |
|-------|-------------------------------------------------|---|----|
| EC976 | Energy Finance and Forecasting                  | 5 | 10 |
| EC974 | Climate Change Economics                        | 5 | 10 |
| EC977 | Energy Technologies, Impacts and Implementation | 5 | 10 |
| EC980 | Energy Industries and Markets                   | 5 | 10 |
| EC928 | Energy Economics                                | 5 | 10 |
| EC927 | Environmental Economics                         | 5 | 10 |
| EC964 | Global Energy Policy and Politics               | 5 | 20 |
| EC954 | Economic Appraisal & Modelling                  | 5 | 20 |

### **Compulsory Modules (Online)**

#### **Year 1**

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| EC969       | Analysis of Economic Data        | 5     | 20      |
| EC967       | Fundamentals of Microeconomics   | 5     | 10      |
| EC960       | Energy Economics                 | 5     | 10      |
| EC959       | Environmental Economics          | 5     | 10      |
| EC984       | Economic Appraisal and Modelling | 5     | 20      |

#### **Year 2**

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| EC9XX       | Natural Resources, Sustainability and Governance | 5     | 10      |
| EC9XX       | Energy Finance and Forecasting                   | 5     | 10      |
| EC9XX       | Climate Change Economics                         | 5     | 10      |
| EC9XX       | Energy Industries and Markets                    | 5     | 10      |

### **Elective Modules (On Campus)**

20 credits chosen from any elective modules at the appropriate level as approved by the Programme Director.

### **Optional Modules (Online)**

30 credits chosen from:

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| EC957       | International Development                    | 5     | 10      |
| EC968       | Fundamentals of Macroeconomics               | 5     | 10      |
| EC965       | Topics in Public Economics                   | 5     | 10      |
| EC966       | Internal Macroeconomics                      | 5     | 10      |
| EC958       | Games of Strategy                            | 5     | 10      |
| EC985       | Economics of Inequality and Inclusive Growth | 5     | 10      |
| EC986       | Health Economic Policy                       | 5     | 10      |

Or such other level 5 modules as may be approved by the Programme Leader. Not all optional modules will be available every academic year.

**Students for the degree of MSc only (On Campus):**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| EC930       | Summer Project | 5     | 40      |

**Students for the degree of MSc only (Online):**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| EC9XX       | Summer Project | 5     | 40      |

**Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), a candidate for the degree of Master may be re-assessed in no more than four taught modules normally in the same academic year. The Board will determine whether the resit in the relevant module(s) should take the form of an examination or an assignment.
8. Candidates studying on a part-time basis will normally take examinations and/or assignments in the same years as the modules for which they are being examined and will be permitted to resit no more than four modules over the entire period of registration. Where candidates are required to resit, these attempts shall normally be made at the next available diet of examinations.
9. The final award will be based on performance in the examinations, the coursework and the project report where undertaken.

**Award**

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Economics and Policy of Energy and Climate Change, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the Project EC930 Summer Project (on campus) or Project EC9XX Summer Project (online).
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Economics and Policy of Energy and Climate Change, a candidate must have accumulated no fewer than 120 credits from the taught compulsory modules of the programme.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Economics and Policy of Energy and Climate Change, a candidate must have accumulated no fewer than 60 credits from the taught compulsory modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### BUSINESS ADMINISTRATION

**Master of Business Administration**

**Master of Business Administration (Executive)**

**Master of Business Administration with Specialisation\***

**Postgraduate Diploma in Business Administration**

**Postgraduate Certificate in Business Administration**

#### **Specialisations**

**\*Shipping**

**\*Sustainable Energy Futures**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

***These regulations apply to entry on the above programmes from Academic Year 2023/24 only.***

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates shall normally possess:
  - i. a degree from a United Kingdom University; or
  - ii. other qualifications deemed, by the Programme Leader of the relevant study route, acting on behalf of Senate, to be equivalent to i. above including the Postgraduate Diploma in Business Administration or its equivalent; or
  - iii. be deemed, by the Programme Leader of the relevant study route, acting on behalf of Senate, to have achieved an academic standard equivalent to i. above.
2. In addition, all successful applicants will be required to have had a period of relevant managerial experience. For applicants holding a degree of a University in the United Kingdom, or an equivalent academic or professional qualification, the period is normally three years. Other applicants, who lack formal qualifications but have substantial managerial experience should have a minimum of five years of relevant experience.
3. Applicants holding the MSc in Business and Management from the University of Strathclyde wishing to convert this degree to the MBA will apply for Recognition of Prior Learning (RPL) following the University Policy on the Recognition of Prior Learning and Credit Transfer. On qualifying for the award of the MBA, students will be required to surrender the MSc.
4. Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.
5. Where applicable for accreditation purposes, applicants with an undergraduate degree from a United Kingdom University with a lower second class (2:2) classification or lower, or its equivalent must complete a mandatory pre-sessional course (Executive MBA at International Centres only).

#### **Duration of Study**

6. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), shall apply.

7. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the Postgraduate Diploma in Business Administration the minimum duration of study will be 18 months and the maximum duration of study will be 48 months.

### Mode of Study

8. The programmes are available by full-time and part-time study, except for the Master of Business Administration (Executive) and the Postgraduate Diploma in Business Administration which are available by part-time study only.

### Curriculum

9. All students shall undertake an approved curriculum as follows:

### Compulsory Modules

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| MB941       | Leading a Sustainable Organisation            | 5     | 10      |
| MB942       | Marketing & Brand Management*                 | 5     | 10      |
| MB932       | Operations & Project Management*              | 5     | 10      |
| MB940       | Accounting and Financial Management*          | 5     | 10      |
| MB935       | Economic Analysis for Strategists*            | 5     | 10      |
| MB933       | Business Intelligence & Data Analytics        | 5     | 10      |
| MB934       | Digital Transformation & Technical Innovation | 5     | 10      |
| MB937       | Entrepreneurial Thinking & Practice           | 5     | 10      |
| MB938       | Grand Challenges of Corporate Governance*     | 5     | 10      |
| MB939       | Applied Strategic Management                  | 5     | 10      |
| MB929       | Strategic Leadership Development              | 5     | 20      |

**Together with either a 40 credit or 60 credit dissertation (or equivalent) as follows:**

| Module Code     | Module Title            | Level | Credits |
|-----------------|-------------------------|-------|---------|
| MB948/<br>MB949 | Research Dissertation   | 5     | 40/60   |
| OR              |                         |       |         |
| MB950/<br>MB951 | Consultancy Project     | 5     | 40/60   |
| OR              |                         |       |         |
| MB952/<br>MB953 | Entrepreneurial Project | 5     | 40/60   |

\* Students on the **Master of Business Administration with Specialisation in Sustainable Energy Futures** will take the following versions of these modules:

| Module Code | Module Title                                                                      | Level | Credits |
|-------------|-----------------------------------------------------------------------------------|-------|---------|
| MB945       | Partnerships, Stakeholder Relationships and Business Development in a Digital Age | 5     | 10      |
| MB931       | Operations and Project Management in the Energy Industry                          | 5     | 10      |
| MB928       | Accounting & Financial Practice of Energy Transactions                            | 5     | 10      |
| MB943       | Economics Analysis for Strategists within the Energy Sector                       | 5     | 10      |
| MB944       | Grand Challenges of Corporate Governance: Energy, Policy & Sustainability         | 5     | 10      |

### **Optional Modules**

Students taking a 40 credit dissertation (or equivalent) option should take a further 20 credits chosen from:

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| MG945       | Global Operations Strategy                               | 5     | 10      |
| MG861       | Project Management                                       | 5     | 10      |
| EC936       | Games of Strategy                                        | 5     | 10      |
| MG863       | Strategic Technology Management                          | 5     | 10      |
| MG864       | Scenario Planning for Global Challenges                  | 5     | 10      |
| MG956       | Brand Management & Strategy                              | 5     | 10      |
| MG936       | Strategic Financial Management                           | 5     | 10      |
| MG938       | New Venture Creation                                     | 5     | 10      |
| MG860       | Big Data Fundamentals                                    | 5     | 10      |
| MG870       | Digital Transformation & Technological Innovation        | 5     | 10      |
| MG821       | Leadership for Change & Innovation                       | 5     | 10      |
| MG955       | Managing In Europe                                       | 5     | 10      |
| MG986       | Managing Inter-Organizational Partnerships and Alliances | 5     | 10      |
| MK810       | Digital Leadership: Strategy and Management              | 5     | 10      |
| MG956       | Brand Management and Strategy                            | 5     | 10      |
| MG821       | Leadership for Change and Innovation                     | 5     | 10      |
| MG845       | Systems Availability & Maintenance                       | 5     | 10      |
| MG846       | Maritime Transport & Economics*                          | 5     | 10      |

|       |                                              |   |    |
|-------|----------------------------------------------|---|----|
| MG848 | Maritime Safety & Risk*                      | 5 | 10 |
| MG847 | Maritime Regulatory Framework*               | 5 | 10 |
| MG851 | Strategic Supply Chain Management            | 5 | 10 |
| MG853 | Lean & Green Logistics                       | 5 | 10 |
| MG852 | Organisational Buying Behaviour & Structures | 5 | 10 |
| MG850 | Strategic Procurement Management             | 5 | 10 |
| MB936 | Energy Supply and Trading**                  | 5 | 10 |
| MB930 | The Sustainable Energy Organisation**        | 5 | 10 |

Students undertaking the specialisation in \* Shipping or \*\* Sustainable Energy Futures should select from the modules indicated.

Such other Level 5 modules as may be approved by the Programme Leader of the relevant study route.

Not all optional modules on this list will be available in each academic year.

### Examination, Progress and Final Assessment

10. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

11. The final award will be based on performance in all elements of the programme.

12. **Degree of MBA:** In order to qualify for the award of the degree of Master of Business Administration, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which at least 40 must have been awarded in respect of the dissertation (or equivalent) MB948/MB949 Research Dissertation, MB950/MB951 Consultancy Project or MB952/MB953 Entrepreneurial Project.

13. **Degree of MBA (Executive):** In order to qualify for the award of the degree of Master of Business Administration (Executive), a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which at least 40 must have been awarded in respect of the dissertation (or equivalent) MB948/MB949 Research Dissertation, MB950/MB951 Consultancy Project or MB952/MB953 Entrepreneurial Project.

14. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Business Administration, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.

15. **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Business Administration, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

16. **MBA with Specialisation:** In order to qualify for the award of the degree of MBA with Specialisation in a given topic, a candidate must have undertaken the 40 credit dissertation (or equivalent) MB948/MB949 Research Dissertation, MB950/MB951 Consultancy Project or MB952/MB953 Entrepreneurial Project in an area related to the chosen specialism, along with a further 20 credits in the chosen specialism from the optional modules listed in the curriculum.

17. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Business Administration in a named subject, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
18. **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Business Administration in a named subject, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

#### **Transfer**

19. In relation to the transfer from the Postgraduate Diploma in Business Administration to the degree of Master of Business Administration the relevant parts of the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply as appropriate.
20. At the Board of Examiners' discretion, a student who fails to meet the requirements for the award of the MBA may be considered for transfer to an award of the Postgraduate Diploma in Business Administration. A student in this category will automatically be barred from re-enrolment on the MBA programme on the basis of this Diploma in Business Administration.



# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### BUSINESS ADMINISTRATION

**Master of Business Administration**

**Master of Business Administration (Executive)**

**Master of Business Administration with Specialisation\***

**Postgraduate Diploma in Business Administration**

**Postgraduate Certificate in Business Administration**

#### **Specialisations**

**\*Shipping**

**\*Sustainable Energy Futures**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

***These regulations apply to entry on the above programmes from Academic Year 2024/25 entry onwards.***

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates shall normally possess:

- i. a degree from a United Kingdom University; or
- ii. other qualifications deemed, by the Programme Leader of the relevant study route, acting on behalf of Senate, to be equivalent to i. above including the Postgraduate Diploma in Business Administration or its equivalent; or
- iii. be deemed, by the Programme Leader of the relevant study route, acting on behalf of Senate, to have achieved an academic standard equivalent to i. above.

2. In addition, all successful applicants will be required to have had a period of relevant managerial experience. For applicants holding a degree of a University in the United Kingdom, or an equivalent academic or professional qualification, the period is normally three years. Other applicants, who lack formal qualifications but have substantial managerial experience should have a minimum of five years of relevant experience.

3. Applicants holding the MSc in Business and Management from the University of Strathclyde wishing to convert this degree to the MBA will apply for Recognition of Prior Learning (RPL) following the University Policy on the Recognition of Prior Learning and Credit Transfer. On qualifying for the award of the MBA, students will be required to surrender the MSc.

4. Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.

5. Where applicable for accreditation purposes, applicants with an undergraduate degree from a United Kingdom University with a lower second class (2:2) classification or lower, or its equivalent must complete a mandatory pre-sessional course (Executive MBA at International Centres only).

#### **Duration of Study**

6. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), shall apply.

7. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree](#)

Programme Level, the Postgraduate Diploma in Business Administration the minimum duration of study will be 18 months and the maximum duration of study will be 48 months.

### Mode of Study

8. The programmes are available by full-time and part-time study, except for the Master of Business Administration (Executive) and the Postgraduate Diploma in Business Administration which are available by part-time study only.

### Curriculum

9. All students shall undertake an approved curriculum as follows:

### Compulsory Modules

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| MB941       | Leading a Sustainable Organisation                     | 5     | 10      |
| MB973       | Marketing Management                                   | 5     | 10      |
| MB932       | Operations & Project Management*                       | 5     | 10      |
| MB940       | Accounting and Financial Management*                   | 5     | 10      |
| MB935       | Economic Analysis for Strategists*                     | 5     | 10      |
| MB972       | Managing Value-Driven Analytics                        | 5     | 10      |
| MB934       | Digital Transformation & Technical Innovation          | 5     | 10      |
| MB937       | Entrepreneurial Thinking & Practice                    | 5     | 10      |
| MB974       | Applied Strategic Management                           | 5     | 10      |
| MB975       | Strategic Leadership Development                       | 5     | 10      |
| MB978       | Macroeconomics and International Business Environment* | 5     | 10      |
| MB976       | The Boardroom Challenge                                | 5     | 10      |
| MB977       | The Consulting Impact Challenge                        | 5     | 10      |

\* Students on the **Master of Business Administration with Specialisation in Sustainable Energy Futures** will instead take the following versions of these modules:

| Module Code | Module Title                                                                      | Level | Credits |
|-------------|-----------------------------------------------------------------------------------|-------|---------|
| MB945       | Partnerships, Stakeholder Relationships and Business Development in a Digital Age | 5     | 10      |
| MB931       | Operations and Project Management in the Energy Industry                          | 5     | 10      |
| MB928       | Accounting & Financial Practice of Energy Transactions                            | 5     | 10      |
| MB943       | Economics Analysis for Strategists within the Energy Sector                       | 5     | 10      |
| MB944       | Macroeconomics and the International Business Environment                         | 5     | 10      |

### **Optional Modules**

And 20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                      | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------|--------------|----------------|
| MG945              | Global Operations Strategy                               | 5            | 10             |
| MG861              | Project Management                                       | 5            | 10             |
| EC936              | Games of Strategy                                        | 5            | 10             |
| MG863              | Strategic Technology Management                          | 5            | 10             |
| MG864              | Scenario Planning for Global Challenges                  | 5            | 10             |
| MG956              | Brand Management & Strategy                              | 5            | 10             |
| MG936              | Strategic Financial Management                           | 5            | 10             |
| MG938              | New Venture Creation                                     | 5            | 10             |
| MG860              | Big Data Fundamentals                                    | 5            | 10             |
| MG870              | Digital Transformation & Technological Innovation        | 5            | 10             |
| MG821              | Leadership for Change & Innovation                       | 5            | 10             |
| MG955              | Managing In Europe                                       | 5            | 10             |
| MG986              | Managing Inter-Organizational Partnerships and Alliances | 5            | 10             |
| MK810              | Digital Leadership: Strategy and Management              | 5            | 10             |
| MG956              | Brand Management and Strategy                            | 5            | 10             |
| MG821              | Leadership for Change and Innovation                     | 5            | 10             |
| MG845              | Systems Availability & Maintenance                       | 5            | 10             |
| MG846              | Maritime Transport & Economics*                          | 5            | 10             |
| MG848              | Maritime Safety & Risk*                                  | 5            | 10             |
| MG847              | Maritime Regulatory Framework*                           | 5            | 10             |
| MG851              | Strategic Supply Chain Management                        | 5            | 10             |
| MG853              | Lean & Green Logistics                                   | 5            | 10             |
| MG852              | Organisational Buying Behaviour & Structures             | 5            | 10             |
| MG850              | Strategic Procurement Management                         | 5            | 10             |
| MB936              | Energy Supply and Trading**                              | 5            | 10             |

|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| MB930 | The Sustainable Energy Organisation** | 5 | 10 |
|-------|---------------------------------------|---|----|

Students undertaking the specialisation in \* Shipping or \*\* Sustainable Energy Futures should select from the modules indicated.

Such other Level 5 modules as may be approved by the Programme Leader of the relevant study route.

Not all optional modules on this list will be available in each academic year.

**Together with a 30 credit project as follows:**

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| MB980       | Research Project        | 5     | 30      |
| OR          |                         |       |         |
| MB979       | Consultancy Project     | 5     | 30      |
| OR          |                         |       |         |
| MB981       | Entrepreneurial Project | 5     | 30      |

**Examination, Progress and Final Assessment**

10. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

11. The final award will be based on performance in all elements of the programme.

12. **Degree of MBA:** In order to qualify for the award of the degree of Master of Business Administration, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which at least 30 must have been awarded in respect of either MB980 Research Project or MB979 Consultancy Project or MB981 Entrepreneurial Project.

13. **Degree of MBA (Executive):** In order to qualify for the award of the degree of Master of Business Administration (Executive), a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which at least 30 must have been awarded in respect of either MB980 Research Project or MB979 Consultancy Project or MB981 Entrepreneurial Project.

14. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Business Administration, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.

15. **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Business Administration, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

16. **MBA with Specialisation:** In order to qualify for the award of the degree of MBA with Specialisation in a given topic, a candidate must have undertaken the 30 credit project, either MB980 Research Project or MB979 Consultancy Project or MB981 Entrepreneurial Project in an area related to the chosen specialism, along with the further 20 credits in the chosen specialism from the optional modules listed in the curriculum.

17. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Business Administration in a named subject, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.

18. **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Business Administration in a named subject, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

### **Transfer**

19. In relation to the transfer from the Postgraduate Diploma in Business Administration to the degree of Master of Business Administration the relevant parts of the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply as appropriate.

20. At the Board of Examiners' discretion, a student who fails to meet the requirements for the award of the MBA may be considered for transfer to an award of the Postgraduate Diploma in Business Administration. A student in this category will automatically be barred from re-enrolment on the MBA programme on the basis of this Diploma in Business Administration.

# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### DIGITAL TRANSFORMATIONS

**Master of Science in Digital Transformation**  
**Postgraduate Diploma in Digital Transformation**  
**Postgraduate Certificate in Digital Transformation**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates shall normally possess:
  - (i) a degree from a United Kingdom University; or
  - (ii) other qualifications deemed, by the Programme Director of the relevant study route, acting on behalf of Senate, to be equivalent to (i), above; or
  - (iii) be deemed, by the Programme Director of the relevant study route, acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above, and
  - (iv) in addition, all successful applicants will be required to have had a period of relevant managerial experience. For applicants holding a degree of a University in the United Kingdom, or an equivalent academic or professional qualification, the period is normally three years. Other applicants, who lack formal qualifications require to have a minimum of five years of relevant managerial experience.

#### Mode of Study

2. The programmes are available by part-time study only.

#### Duration of Study

3. The duration of study for each level is:
  - i. Masters 24 months
  - ii. Postgraduate Diploma 21 months
  - iii. Postgraduate Certificate 8 months

#### Curriculum

4. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| MB922       | Understanding Global Digital Disruption | 5     | 20      |
| MB920       | Managing Digital Transformation         | 5     | 20      |
| MB921       | Mastering Digital Technologies          | 5     | 20      |
| MB915       | Customer Engagement in A Digital World  | 5     | 20      |

|            |                                                               |   |    |
|------------|---------------------------------------------------------------|---|----|
| MB916      | Designing Digital Strategies for Business Transformation      | 5 | 20 |
| MB918      | Leading Digital Transformation                                | 5 | 20 |
| MB917      | Exploring Digital Transformation Practice                     | 5 | 20 |
| And either |                                                               |   |    |
| MB919      | Management Thesis in Digital Transformation                   | 5 | 40 |
|            | Or                                                            |   |    |
| MB913      | Business Start-up (Entrepreneurship) – Digital Transformation | 5 | 40 |
|            | Or                                                            |   |    |
| MB914      | Consultancy Implementation Project in Digital Transformation  | 5 | 40 |

### Examination, Progress and Final Assessment

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
6. The final assessment will be based on performance in all elements of the programme.
7. Degree of **MSc Digital Transformation**: In order to qualify for the award of the degree of MSc in Digital Transformation, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits.
8. **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Digital Transformation, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate**: In order to qualify for the award of the postgraduate Certificate in Digital Transformation, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# UNIVERSITY OF STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### HEALTH AND CARE LEADERSHIP

**Master of Science in Health and Care Leadership**  
**Postgraduate Diploma in Health and Care Leadership**  
**Postgraduate Certificate in Health and Care Leadership**

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#)
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of study**

3. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) the maximum period of study shall be as follows:
  - i. Masters by part-time study 60 months
  - ii. PG Diploma by part-time study 48 months
  - iii. PG Certificate by part-time study 24 months

#### **Mode of study**

4. The programme is available by blended learning only. This mode of study concerns a combination of online learning and face to face workshops.

#### **Place of study**

5. In accordance with the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 180 credits including a 40 credit research project,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the Postgraduate Certificate no fewer than 60 credits.

#### **Compulsory Modules**

| Module Code | Module Title                                                                   | Level | Credits |
|-------------|--------------------------------------------------------------------------------|-------|---------|
| SD921       | Developing and Leading Collaborative Health and Care Workforces for the Future | 5     | 20      |
| SD919       | Big Data Driven Healthcare                                                     | 5     | 20      |
| SD918       | Contemporary Issues and Inequalities in Health and Care                        | 5     | 20      |
| SD916       | Health systems performance, financing and innovation                           | 5     | 20      |



|       |                                                  |   |    |
|-------|--------------------------------------------------|---|----|
| SD920 | Designing People Centric Healthcare              | 5 | 20 |
| SD922 | Leading Improvement and Transformation           | 5 | 20 |
| SD915 | Personal Professional and Leadership Development | 5 | 10 |

### **Optional Modules**

Students should select no fewer than 10 credits chosen from:

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| MG938       | New Venture Creation                   | 5     | 10      |
| MS976       | Service Operations and Simulation      | 5     | 10      |
| MB963       | Strategy in Practice                   | 5     | 10      |
| MB962       | The Inclusive Organisation             | 5     | 10      |
| MB960       | Developing Effective Consulting Skills | 5     | 10      |
| MB955       | Commercial Management in Projects      | 5     | 10      |

Or other modules approved by the Programme Director. Not all optional modules on this list will be available in each academic year.

### **Students for the degree of MSc only:**

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| SD917       | Service/Business Transformation Project | 5     | 40      |

### **Progress**

- The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
- The final award will be based on the student's performance in their assessments.

### **Award**

- Degree of MSc:** In order to qualify for the degree of MSc in Health and Care Leadership, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 credits must have been awarded in respect of the Service / Business Transformation Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Health and Care Leadership, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Health and Care Leadership, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### SALES AND MARKETING

**Master of Science in Sales and Marketing**  
**Postgraduate Diploma in Sales and Marketing**  
**Postgraduate Certificate in Sales and Marketing**

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university; or
  - ii. an equivalent degree from a non-UK University; or
  - iii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of study**

3. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) the minimum period of study shall be as follows:
  - i. Masters by part-time study 24 months
  - ii. PG Diploma by part-time study 18 months
  - iii. PG Certificate by part-time study 12 months

#### **Mode of study**

4. The programme is available by part-time study only.

#### **Place of study**

5. In accordance with the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 180 credits including a 40 credit research project,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the Postgraduate Certificate no fewer than 60 credits.

#### **Compulsory Modules**

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| MG870       | Managing Digital Transformation  | 5     | 20      |
| MG926       | Managing People in Organisations | 5     | 10      |

|       |                                                    |   |    |
|-------|----------------------------------------------------|---|----|
| OB907 | The Reflective Leader                              | 5 | 10 |
| SD901 | Account Management and Customer Relations          | 5 | 10 |
| SD902 | Contemporary Marketing Strategy                    | 5 | 20 |
| SD904 | Finance Management                                 | 5 | 20 |
| SD905 | Negotiation Skills and Sales Techniques            | 5 | 10 |
| SD906 | Strategic Sales Management                         | 5 | 10 |
| SD907 | Supply Chain Management and Forecasting and Demand | 5 | 10 |

### **Optional Modules**

Students should select 20 credits chosen from:

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| MG916       | Operations Management                  | 5     | 10      |
| MG919       | Analytical Support for Decision Making | 5     | 10      |
| MG938       | New Venture Creation                   | 5     | 10      |

Or other modules approved by the Programme Director. Not all optional modules on this list will be available in each academic year

### **Students for the degree of MSc only:**

| Module Code | Module Title  | Level | Credits |
|-------------|---------------|-------|---------|
| SD903       | Final Project | 5     | 40      |

### **Progress**

- The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
- The final award will be based on the student's performance in their assessments.

### **Award**

- Degree of MSc:** In order to qualify for the degree of MSc in Sales and Marketing, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 credits must have been awarded in respect of the research project SD903 Final Project.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Sales and Marketing, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Sales and Marketing, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### STRATHCLYDE EXECUTIVE EDUCATION AND DEVELOPMENT

**Master Science in Strategic FinTech**  
**Postgraduate Diploma in Strategic FinTech**  
**Postgraduate Certificate in Strategic FinTech**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall possess:
  - i. a degree from a UK university, or equivalent academic qualification from a comparable non-UK institution; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be the equivalent of the above; or
  - iii. have demonstrated competence in a relevant discipline obtained at a level of performance acceptable to the Programme Leader, and
  - iv. have a minimum of three years' full-time postgraduate experience.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
3. The duration of study shall normally be:
  - i. Masters by part-time study 30 months
  - ii. PG Diploma by part-time study 24 months
  - iii. PG Certificate by part-time study 12 months

#### Mode of Study

4. The programme is available by part-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

| Module Code | Module Title                                                    | Level | Credits |
|-------------|-----------------------------------------------------------------|-------|---------|
| MB909       | Global Development in Fintech                                   | 5     | 20      |
| MB904       | Leading Digital Transformation in a Finance Context             | 5     | 20      |
| MB906       | Fintech Strategy and Business Model Innovation                  | 5     | 20      |
| MB905       | Mastering Evolving Digital Technologies                         | 5     | 20      |
| MB908       | Transforming Customer Experience through Financial Technologies | 5     | 20      |

|       |                                                               |   |    |
|-------|---------------------------------------------------------------|---|----|
| MB907 | Economic and Regulatory Policies for Fintech                  | 5 | 20 |
| MB901 | The Future of Fintech                                         | 5 | 20 |
|       | And either                                                    |   |    |
| MB910 | Fintech Consultancy/Implementation Project (Intrapreneurship) | 5 | 40 |
|       | Or                                                            |   |    |
| MB911 | Management Research Thesis                                    | 5 | 40 |
|       | Or                                                            |   |    |
| MB912 | Fintech Business Start-up (Entrepreneurship)                  | 5 | 40 |

### Examination, Progress and Final Assessment

6. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
7. The final award will be based on performance in all assessed elements of the programme.

### Award

8. **MSc:** In order to qualify for the award of the degree of MSc in Strategic Fintech, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Strategic FinTech: a candidate must have accumulated no fewer than 120 credits from the taught classes of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Strategic FinTech: a candidate must have accumulated no fewer than 60 credits from the taught classes of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMME

### SUSTAINABILITY

Master of Science in Sustainability  
Master of Science in Sustainability with a Specialisation in\*  
Postgraduate Diploma in Sustainability  
Postgraduate Certificate in Sustainability

#### \*Specialisations

Novel Economic Approaches for Sustainability  
Business Management and Operational Challenges  
Social Inequalities and Policy  
Environment, Resources and Health

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a first class or second class honours degree (or international equivalent) in any degree discipline; or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of study

3. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of study

4. The programme is available by full-time study only.

#### Place of study

5. In accordance with the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 180 credits including a 60 credit research project,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the Postgraduate Certificate no fewer than 60 credits.

#### Compulsory Modules

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                                                     |   |    |
|-------|---------------------------------------------------------------------|---|----|
| SU902 | Concepts and Theories of Sustainability                             | 5 | 10 |
| SU904 | Knowledge systems: Collaboration and Partnership for Sustainability | 5 | 10 |
| CL994 | Circular Economy and Transformations Towards Sustainability         | 5 | 10 |
| EC978 | Natural Resources, Sustainability and Governance                    | 5 | 10 |
| EC964 | Global Energy Policy and Politics                                   | 5 | 20 |

### **Optional Modules**

Students on specialisations Novel Economic Approaches for Sustainability, Business Management and Operational Challenges and Environment, Resources and Health should select no fewer than 20 credits and students on specialisation Social Inequalities and Policy should choose no fewer than 10 credits chosen from:

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| CL961       | Geographical Information Systems          | 5     | 10      |
| CS997       | Human Information Behaviour               | 5     | 10      |
| ME957       | Satellite Data Assimilation and Analysis  | 5     | 10      |
| MS980       | Business analytics                        | 5     | 10      |
| M8914       | International climate change law          | 5     | 20      |
| M9871       | International Environmental Law 2         | 5     | 10      |
| L2967       | City Systems and Infrastructure           | 5     | 10      |
| MM914       | Foundations of Probability and Statistics | 5     | 20      |
| MM916       | Data Analytics in R                       | 5     | 20      |

### **Specialisation in Novel Economic Approaches for Sustainability**

#### **Optional Modules**

Along with 40 credits from:

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| EC974       | Climate Change Economics  | 5     | 10      |
| EC957       | International Development | 5     | 10      |
| EC975       | Economic Data Analysis    | 5     | 10      |
| AND         |                           |       |         |

|       |                                              |   |    |
|-------|----------------------------------------------|---|----|
| EC928 | Energy Economics                             | 5 | 10 |
| OR    |                                              |   |    |
| EC927 | Environmental Economics                      | 5 | 10 |
| OR    |                                              |   |    |
| EC961 | Economics of Inequality and Inclusive Growth | 5 | 10 |
| OR    |                                              |   |    |
| EC928 | Energy economics                             | 5 | 10 |

### **Specialisation in Business Management and Operational Challenges**

#### **Optional Modules**

Along with 40 credits from:

| <b>Module Code</b> | <b>Module Title</b>                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------|--------------|----------------|
| MG926              | Managing people in organisations    | 5            | 10             |
| MG927              | Business Operations                 | 5            | 10             |
| MK821              | Dissertation Skills                 | 5            | 10             |
| AND                |                                     |              |                |
| DM926              | Supply chain operations             | 5            | 10             |
| OR                 |                                     |              |                |
| Z1981              | Social Impact Strategy Lab          | 5            | 10             |
| OR                 |                                     |              |                |
| Z1976              | Social Entrepreneurship             | 5            | 10             |
| OR                 |                                     |              |                |
| SD912              | Climate Solutions Management        | 5            | 10             |
| OR                 |                                     |              |                |
| WE904              | Organisational Development & Change | 5            | 10             |
| OR                 |                                     |              |                |
| M9922              | Business and Human Rights           | 5            | 10             |
| OR                 |                                     |              |                |



|       |                                          |   |    |
|-------|------------------------------------------|---|----|
| MK9XX | Social Responsibility and Sustainability | 5 | 10 |
| OR    |                                          |   |    |
| MK9XX | Social Marketing                         | 5 | 10 |

### **Specialisation in Social Inequalities and Policy**

#### **Optional Modules**

Along with 50 credits from:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| L8928       | Inequalities and Social Policy  | 5     | 20      |
| L2909       | Research Methods 2              | 5     | 10      |
| AND         |                                 |       |         |
| L2992       | Comparative political economy   | 5     | 20      |
| OR          |                                 |       |         |
| L2991       | International political economy | 5     | 20      |

### **Specialisation in Environment, Resources and Health**

#### **Optional Modules**

Along with 40 credits from:

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| CL946       | Global Water Policy                           | 5     | 10      |
| CL970       | Environmental Pollution Management            | 5     | 10      |
| CL986       | Quantitative and Qualitative research methods | 5     | 10      |
| AND         |                                               |       |         |
| EV921       | Water & Environmental Management              | 5     | 10      |
| OR          |                                               |       |         |
| CL913       | Public Health Studies                         | 5     | 10      |

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                |   |    |
|-------|--------------------------------|---|----|
| SU905 | Dissertation in Sustainability | 5 | 60 |
|-------|--------------------------------|---|----|

### Progress

7. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
8. In order to progress to the degree of MSc in Sustainability, a student must have successfully accumulated at least 120 credits from the programme curriculum, successfully performed in the chosen specialisation track modules as well as completed a dissertation project.
9. The final award will be based on the student's performance in their assessments.

### Award

10. **Degree of MSc:** In order to qualify for the degree of MSc in Sustainability, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded for the dissertation.
11. **Degree of MSc with Specialisation in (Named Subject):** In order to qualify for the degree of MSc in Sustainability with a Specialisation in (Named Subject), a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded for the dissertation and either 40 or 50 credits from the optional modules as per Regulation 6.
12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Sustainability a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Sustainability, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# STRATHCLYDE BUSINESS SCHOOL

## HUNTER CENTRE FOR ENTREPRENEURSHIP, STRATEGY AND INNOVATION

### BUSINESS AND MANAGEMENT

Master of Science in Business and Management  
Postgraduate Diploma in Business and Management  
Postgraduate Certificate in Business and Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
  - iii. for the degree of MSc no fewer than 180 credits from the curriculum including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| MG837       | Leadership for Change and Innovation   | 5     | 10      |
| MG822       | Managing Innovation                    | 5     | 10      |
| MG836       | Consulting in Practice                 | 5     | 10      |
| MG925       | Marketing Management                   | 5     | 10      |
| MG926       | Managing People in Organisations       | 5     | 10      |
| MG927       | Business Operations                    | 5     | 10      |
| MG928       | Analytical Support for Decision Making | 5     | 10      |
| MG929       | Finance and Financial Management       | 5     | 10      |

|       |                                  |   |    |
|-------|----------------------------------|---|----|
| MG930 | Managerial Accounting            | 5 | 10 |
| MG931 | Business Strategy                | 5 | 10 |
| MG934 | Professional Management Practice | 5 | 20 |

### **Optional Modules**

Students taking the 40 credit project option must take no fewer than 20 credits from the following:

| <b>Module Code</b> | <b>Module Title</b>                               | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------|--------------|----------------|
| MG945              | Global Operations Strategy                        | 5            | 10             |
| MG861              | Project Management                                | 5            | 10             |
| EC936              | Games of Strategy                                 | 5            | 10             |
| MG863              | Strategic Technology Management                   | 5            | 10             |
| MG864              | Scenario Planning for Global Challenges           | 5            | 10             |
| MG955              | Managing in Europe (Toulouse)                     | 5            | 10             |
| MG936              | Strategic Financial Management                    | 5            | 10             |
| MS976              | Service Operations & Simulation                   | 5            | 10             |
| MG870              | Digital Transformation & Technological Innovation | 5            | 10             |
| MG956              | Brand Management & Strategy                       | 5            | 10             |
| MG938              | New Venture Creation                              | 5            | 10             |
| MG860              | Big Data Fundamentals                             | 5            | 10             |

Such other Level 5 as may be approved by the Programme Leader or nominee.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

**Students for the degree of MSc only:**

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>      | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------|--------------|----------------|
| MG970<br>/MG866    | Individual/Group Project | 5            | 40/60          |

### **Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Business and Management, a candidate must have accumulated no fewer than 180 credits, of which at least 40 must have been awarded in respect of the dissertation MG970.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Business and Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Business and Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## HUNTER CENTRE FOR ENTREPRENEURSHIP, STRATEGY AND INNOVATION

### ENTREPRENEURSHIP, INNOVATION AND TECHNOLOGY

Master of Science in Entrepreneurship, Innovation and Technology  
Postgraduate Diploma in Entrepreneurship, Innovation and Technology  
Postgraduate Certificate in Entrepreneurship, Innovation and Technology

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
  - iii. for the degree of MSc no fewer than 180 credits from the curriculum including a project.

#### Compulsory Modules

| Module Code    | Module Title                                                     | Level | Credits |
|----------------|------------------------------------------------------------------|-------|---------|
| Z1951          | Issues and Trends in Entrepreneurship, Innovation and Technology | 5     | 10      |
| Z1961          | Strategic Innovation Management                                  | 5     | 10      |
| MS981          | Data Lab                                                         | 5     | 10      |
| Z1945          | Internationalisation and Growth                                  | 5     | 10      |
| Z1960          | Mindset Lab                                                      | 5     | 10      |
| Z1957<br>Z1988 | Leading and Managing Startups                                    | 5     | 10      |
| Z1976          | Social Entrepreneurship                                          | 5     | 10      |
| Z1980          | Creativity and New Venture Planning                              | 5     | 20      |
| Z1982          | Entrepreneurial Finance                                          | 5     | 20      |
| Z1987          | Disruptive Technologies Lab                                      | 5     | 10      |

**Students for the degree of MSc only:**

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| Z1947       | Virtual Incubator Project | 5     | 60      |

**Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework and the Virtual Incubator Project where undertaken.

**Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Entrepreneurship, Innovation and Technology, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Virtual Incubator Project Z1947.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Entrepreneurship, Innovation and Technology, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Entrepreneurship, Innovation and Technology, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## HUNTER CENTRE FOR ENTREPRENEURSHIP, STRATEGY AND INNOVATION

### INTERNATIONAL MANAGEMENT

Master of Science in International Management  
Postgraduate Diploma in International Management  
Postgraduate Certificate in International Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate - no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of MSc – no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| MG961       | Global Business Environment      | 5     | 20      |
| MG962       | Managing Across Cultures         | 5     | 20      |
| MG967       | International Entrepreneurship   | 5     | 10      |
| MG934       | Professional Management Practice | 5     | 20      |
| MG926       | Managing People in Organisations | 5     | 10      |
| MG925       | Marketing Management             | 5     | 10      |
| MG929       | Finance and Financial Management | 5     | 10      |
| MG931       | Business Strategy                | 5     | 10      |



|       |                        |   |    |
|-------|------------------------|---|----|
| MG836 | Consulting in Practice | 5 | 10 |
|-------|------------------------|---|----|

### **Optional Modules**

Students taking the 40 credit project option must take no fewer than 20 credits from the following:

| <b>Module Code</b> | <b>Module Title</b>                               | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------|--------------|----------------|
| MG945              | Global Operations Strategy                        | 5            | 10             |
| MG861              | Project Management                                | 5            | 10             |
| EC936              | Games of Strategy                                 | 5            | 10             |
| MG863              | Strategic Technology Management                   | 5            | 10             |
| MG955              | Managing in Europe (Toulouse)                     | 5            | 10             |
| MG936              | Strategic Financial Management                    | 5            | 10             |
| MS976              | Service Operations & Simulation                   | 5            | 10             |
| MG870              | Digital Transformation & Technological Innovation | 5            | 10             |
| MG956              | Brand Management & Strategy                       | 5            | 10             |
| MG938              | New Venture Creation                              | 5            | 10             |
| MG860              | Big Data Fundamentals                             | 5            | 10             |

Such other Level 5 modules as may be approved by the Programme Leader or nominee.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>      | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------|--------------|----------------|
| MG970<br>/MG866    | Individual/Group Project | 5            | 40/60          |

### **Examination, Progress and Final Assessment**

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
6. The final award will be based on performance in the coursework, in the written examinations and the Dissertation.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in International Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which at least 40 must have been awarded for the Dissertation MG970.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Management, a student must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## HUNTER CENTRE FOR ENTREPRENEURSHIP, STRATEGY AND INNOVATION

### PROJECT MANAGEMENT AND INNOVATION

**Master of Science in Project Management and Innovation**  
**Postgraduate Diploma in Project Management and Innovation**  
**Postgraduate Certificate in Project Management and Innovation**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
  - ii. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation or project.

#### **Compulsory Modules**

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| Z1990       | Professional Management Body of Knowledge                        | 5     | 20      |
| Z1966       | Consulting in Practice                                           | 5     | 10      |
| Z1967       | Commercial Management in Projects                                | 5     | 10      |
| Z1951       | Issues and Trends in Entrepreneurship, Innovation and Technology | 5     | 10      |
| Z1961       | Strategic Innovation Management                                  | 5     | 10      |
| Z1963       | Business Operations                                              | 5     | 10      |
| Z1965       | Business Strategy                                                | 5     | 10      |

|       |                                      |   |    |
|-------|--------------------------------------|---|----|
| Z1972 | Project Portfolio Management         | 5 | 10 |
| Z1973 | Project and Programme Management     | 5 | 10 |
| Z1975 | Technology and Organisational Change | 5 | 10 |
| Z1984 | Global Innovation Lab                | 5 | 10 |

**Students for the degree of MSc only:**

### **Compulsory Module**

| <b>Module Code</b> | <b>Module Title</b>                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------|--------------|----------------|
| Z1989              | Project Management and Innovation Project | 5            | 60             |

Such other Level 5 modules as may be approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of the MSc Project Management and Innovation, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation Z1989.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Project Management and Innovation, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Project Management and Innovation, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MANAGEMENT SCIENCE

### BUSINESS ANALYSIS AND CONSULTING

Master of Science in Business Analysis and Consulting  
Master of Science in Business Analysis and Consulting (Online)  
Postgraduate Diploma in Business Analysis and Consulting  
Postgraduate Certificate in Business Analysis and Consulting

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
3. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), students studying by distance learning may take up to 36 months to complete the Postgraduate Certificate.

#### Mode of Study

4. The programmes are available by full-time and part-time study and by distance learning.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the Degree of MSc no fewer than 180 credits including a dissertation.

#### **Compulsory Modules (on campus September start)**

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| MS921       | Foundations of Operational Research and Business Analysis | 5     | 10      |
| MS922       | Quantitative Business Analysis                            | 5     | 10      |
| MS923       | Managing Business Operations                              | 5     | 10      |
| MS924       | Spreadsheet Modelling and Demand Forecasting              | 5     | 10      |
| MS925       | Strategy Modelling and Management                         | 5     | 10      |

#### **Compulsory Modules (on campus January start)**

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| MS823       | Quantitative Business Analysis | 5     | 10      |

|       |                                                           |   |    |
|-------|-----------------------------------------------------------|---|----|
| MS822 | Foundations of Operational Research and Business Analysis | 5 | 10 |
| MS827 | Managing Business Operations                              | 5 | 10 |
| MS829 | Spreadsheet Modelling and Demand Forecasting              | 5 | 10 |
| MS828 | Strategy Modelling and Management                         | 5 | 10 |

**Compulsory Modules (online October start)**

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| MS800       | Foundations of Operational Research and Business Analysis | 5     | 10      |
| MS801       | Quantitative Business Analysis                            | 5     | 10      |
| MS802       | Managing Business Operations                              | 5     | 10      |
| MS803       | Spreadsheet Modelling and Demand Forecasting              | 5     | 10      |
| MS804       | Strategy Modelling and Management                         | 5     | 10      |

**Optional Modules (on campus September start)**

And 30 credits chosen from:

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| MS926       | Business Simulation Methods            | 5     | 10      |
| MS927       | Risk Analysis and Management           | 5     | 10      |
| MS928       | Business Information Systems           | 5     | 10      |
| MS929       | Performance Measurement and Management | 5     | 10      |
| MS980       | Business Analytics                     | 5     | 10      |

**Optional Modules (on campus January start)**

And 30 credits chosen from:

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| MS830       | Business Simulation Methods            | 5     | 10      |
| MS831       | Risk Analysis and Management           | 5     | 10      |
| MS834       | Business Information Systems           | 5     | 10      |
| MS832       | Performance Measurement and Management | 5     | 10      |
| MS836       | Business Analytics                     | 5     | 10      |

**Optional Modules (online October start)**

And 30 credits chosen from:

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| MS805       | Business Simulation Methods            | 5     | 10      |
| MS806       | Risk Analysis and Management           | 5     | 10      |
| MS807       | Business Information Systems           | 5     | 10      |
| MS808       | Performance Measurement and Management | 5     | 10      |

Or other modules approved by the Programme Director.

Not all optional modules on this list will be available in each academic year.

**\*For students undertaking the PG Diploma and MSc only**

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| MS809       | Becoming an Effective Business Analyst* | 5     | 40      |

**Students for the degree of MSc (on campus September start) only:**

**Compulsory Module**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| MS931       | Dissertation | 5     | 60      |

**Students for the degree of MSc (on campus January start) only:**

**Compulsory Module**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| MS835       | Dissertation | 5     | 60      |

**Students for the degree of MSc (online October start) only:**

**Compulsory Module**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| MS810       | Dissertation | 5     | 60      |

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Business Analysis and Consulting, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation MS931(Sept) or MS835 (Jan) on campus or MS810 online.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Business Analysis and Consulting, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Business Analysis and Consulting, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme, of which 50 must have been awarded in respect to the Compulsory Modules.



# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MANAGEMENT SCIENCE

### DATA ANALYTICS

Master of Science in Data Analytics  
Postgraduate Diploma in Data Analytics  
Postgraduate Certificate in Data Analytics

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time, part-time study and by distance learning.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits\*
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the Degree of MSc no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| CS989       | Big Data Fundamentals           | 5     | 10      |
| MM964       | Foundation of Statistics        | 5     | 10      |
| MM916       | Data Analytics in R             | 5     | 20      |
| MS985       | Business and Decision Modelling | 5     | 10      |
| MS987       | Optimisation for Analytics      | 5     | 10      |

**\*Students undertaking the Postgraduate Certificate by distance will take the following compulsory modules:**

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| CS818       | Big Data Fundamentals         | 5     | 10      |
| CS817       | Big Data Tools and Techniques | 5     | 10      |
| MM952       | Data Analytics in R           | 5     | 20      |

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| MS817 | Business and Decision Modelling | 5 | 10 |
| MS818 | Optimisation for Analytics      | 5 | 10 |

**Students for the Postgraduate Diploma and the degree of MSc in addition shall undertake:**

**Compulsory Modules**

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MS984       | Data Analytics in Practice | 5     | 20      |

**Optional Modules**

No fewer than 40 credits from the list below:

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| CS990       | Database Fundamentals                               | 5     | 10      |
| CS983       | Evolutionary Computation for Finance 1              | 5     | 10      |
| CS984       | Evolutionary Computation for Finance 2              | 5     | 10      |
| CS986       | Fundamentals of Machine Learning for Data Analytics | 5     | 10      |
| CS987       | Advanced Machine Learning for Data Analytics        | 5     | 10      |
| MM905       | Financial Econometrics                              | 5     | 10      |
| MM915       | Bayesian Spatial Statistics                         | 5     | 10      |
| MM960       | Statistical Machine Learning                        | 5     | 10      |
| MM962       | Data Dashboards with R Shiny                        | 5     | 10      |
| MS986       | Stochastic Modelling for Analytics                  | 5     | 10      |
| MS926       | Business Simulation Modelling                       | 5     | 10      |
| MS927       | Risk Analysis & Management                          | 5     | 10      |
| MS928       | Business Information Systems                        | 5     | 10      |

**Students for the MSc only:**

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| MS983       | Dissertation in Data Analytics | 5     | 60      |

**Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

6. The final award will be based on performance in the examinations, coursework, the dissertation (in the case of the MSc) and, if required, in an oral examination.

#### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Data Analytics, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Data Analytics, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Data Analytics, a candidate must have accumulated no fewer than 60 credits from the Compulsory Modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MANAGEMENT SCIENCE

### HEALTH ANALYSIS, POLICY & MANAGEMENT

Master of Science in Health Analysis, Policy & Management  
Postgraduate Diploma Health Analysis, Policy & Management  
Postgraduate Certificate in Health Analysis, Policy & Management

*These regulations are to be read in conjunction with the [General Postgraduate Regulations](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), shall apply.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), shall apply.

#### Mode of Study

3. The programmes are available by full-time and part-time.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the Degree of MSc no fewer than 180 credits including a dissertation

#### Compulsory Modules

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| MS921       | Foundations of Operational Research and Business Analysis | 5     | 10      |
| MS922       | Quantitative Business Analysis                            | 5     | 10      |
| MS924       | Spreadsheet Modelling and Demand Forecasting              | 5     | 10      |
| MS821       | Managing Healthcare Operations                            | 5     | 10      |
| MS999       | Health Economics & Evaluation                             | 5     | 10      |
| MS819       | Health systems Performance, Financing and Innovation      | 5     | 20      |
| MS824       | Becoming an Effective Health Analyst                      | 5     | 20      |

#### Optional Modules

No fewer than 30 credits chosen from the full list below:

| Module Code | Module Title                | Level | Credits |
|-------------|-----------------------------|-------|---------|
| MS926       | Business Simulation Methods | 5     | 10      |

|       |                                            |   |    |
|-------|--------------------------------------------|---|----|
| MS927 | Risk Analysis and Management               | 5 | 10 |
| MS928 | Business Information Systems               | 5 | 10 |
| MS929 | Performance Measurement and Management     | 5 | 10 |
| MS980 | Business Analytics                         | 5 | 10 |
| MS986 | Stochastic Modelling for Analytics         | 5 | 10 |
| CS822 | health data analytics and decision support | 5 | 10 |
| MM909 | Medical Statistics                         | 5 | 20 |
| MM911 | Effective Statistical Consulting           | 5 | 10 |
| MM926 | Survey Design & Analysis                   | 5 | 10 |
| EC970 | Health Economic Policy                     | 5 | 10 |

**Students for the degree of MSc only:**

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| MS820       | Dissertation in Health Analysis, Policy and Management | 5     | 60      |

**Examination, Progress and Final Assessment**

- The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), shall apply.
- The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

**Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Health Analysis, Policy & Management, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded for the dissertation MS931.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Health Analysis, Policy & Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Health Analysis, Policy & Management a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MANAGEMENT SCIENCE

### OPERATIONAL RESEARCH

Master of Science in Operational Research (online)  
Postgraduate Diploma in Operational Research (online)  
Postgraduate Certificate in Operational Research (online)

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
3. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), students studying by distance learning may take up to 36 months to complete the Postgraduate Certificate.

#### Mode of Study

4. The programme is available by distance learning only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the Degree of MSc no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| MS800       | Foundations of Operational Research and Business Analysis | 5     | 10      |
| MS801       | Quantitative Business Analysis                            | 5     | 10      |
| MS802       | Managing Business Operations                              | 5     | 10      |
| MS803       | Spreadsheet Modelling and Demand Forecasting              | 5     | 10      |
| MS932       | Operational Research Methods                              | 5     | 10      |

#### Optional Modules

No fewer than 10 credits chosen from:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                                                        |   |    |
|-------|------------------------------------------------------------------------|---|----|
| MS805 | Business Simulation Methods                                            | 5 | 10 |
| MS806 | Risk Analysis and Management                                           | 5 | 10 |
| MS807 | Business Information Systems                                           | 5 | 10 |
| MS934 | Advanced Operations Research Modelling using Specialist Software Tools | 5 | 10 |

**Students for the Postgraduate Diploma and the degree of MSc in addition shall undertake:**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| MS935       | Becoming an Effective 'OR' Modeller | 5     | 40      |

And no fewer than 20 credits chosen from the list of optional modules above.

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| MS810       | Dissertation | 5     | 60      |

#### **Examination, Progress and Final Assessment**

- The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
- The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Operational Research, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation MS810.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Operational Research, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme, of which 40 must have been awarded in respect of MS935 Becoming an Effective 'OR' Modeller
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Operational Research, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme, of which 50 must have been awarded in respect to the Compulsory Modules.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MANAGEMENT SCIENCE

### PROJECT MANAGEMENT

Master of Science in Project Management (International)  
Postgraduate Diploma in Project Management (International)  
Postgraduate Certificate in Project Management (International)

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of Study

3. The programme is available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 240 credits including a dissertation
  - ii. for the degree of PG Dip no fewer than 120 credits
  - iii. for the degree of PG Cert no fewer than 60 credits

#### Compulsory Modules

##### University of Strathclyde

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| MG835       | Project Portfolio Management                                     | 5     | 10      |
| HR977       | Leadership for Change and Innovation                             | 5     | 10      |
| Z1951       | Issues and Trends in Entrepreneurship, Innovation and Technology | 5     | 10      |
| Z1967       | Commercial Management                                            | 5     | 10      |
| MS997       | Strategic Procurement Management                                 | 5     | 10      |
| MS989       | Consulting in Practise                                           | 5     | 10      |

##### Politecnico di Milano

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| BF807       | Semester 1 Study in Politecnico di Milano | 5     | 75      |



## **Optional Modules**

### **University of Strathclyde**

20 credits from the list of optional modules listed in the Regulations for the Master in Business Administration or SBS spring school.

Or other modules approved by the Programme Director.

Not all optional modules on this list will be available in each academic year.

### **Students for the degree of MSc only:**

#### **Compulsory Modules**

### **University of Strathclyde**

| <b>Module Code</b> | <b>Module Title</b>   | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------|--------------|----------------|
| BF986              | Extended dissertation | 5            | 85             |

### **Examination, Progress and Final Assessment**

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
6. The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Project Management (International), a candidate must have accumulated no fewer than 240 credits, of which 80 must have been awarded at Strathclyde.
8. **Degree of PG Dip:** In order to qualify for the award of the degree of Postgraduate Diploma in Project Management (International), a candidate must have accumulated no fewer than 120 taught credits, of which 80 must have been awarded at Strathclyde.
9. **Degree of PG Cert:** In order to qualify for the award of the degree of Postgraduate Certificate in Project Management (International), a candidate must have accumulated no fewer than 60 credits from the Compulsory Modules.

# STRATHCLYDE BUSINESS SCHOOL

## MARKETING

### DIGITAL MARKETING MANAGEMENT

**Master of Science in Digital Marketing Management**  
**Postgraduate Diploma in Digital Marketing Management**  
**Postgraduate Certificate in Digital Marketing Management**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. an upper second-class Honours degree in Business with Marketing modules; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of study**

3. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of study**

4. The programme is available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the degree of MSc no fewer than 180 credits including a final project.

#### **Compulsory Modules (September start)**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| MK814       | eMarketing in Practice              | 5     | 20      |
| MK815       | Marketing Research in a Digital Age | 5     | 20      |
| MK816       | Strategic Digital Marketing         | 5     | 20      |
| MK817       | Supply Chain Digitalisation         | 5     | 10      |
| MK968       | Key Skills                          | 5     | 10      |
| MK972       | Consumer Behaviour                  | 5     | 20      |

|       |                                          |   |    |
|-------|------------------------------------------|---|----|
| MK831 | Social Responsibility and Sustainability | 5 | 10 |
| MK994 | Integrated Marketing Communications      | 5 | 10 |
| MK839 | Brand Management & Strategy              | 5 | 20 |

### **Compulsory Modules (January start)**

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| MK836       | eMarketing in Practice                   | 5     | 20      |
| MK834       | Marketing Research in a Digital Age      | 5     | 20      |
| MK837       | Strategic Digital Marketing              | 5     | 20      |
| MK833       | Supply Chain Digitalisation              | 5     | 10      |
| MK823       | Key Skills                               | 5     | 10      |
| MK838       | Social Responsibility and Sustainability | 5     | 10      |
| MK820       | Consumer Behaviour                       | 5     | 20      |
| MK830       | Integrated Marketing Communications      | 5     | 10      |
| MK840       | Brand Management & Strategy              | 5     | 20      |

### **Students for the degree of MSc only (September Start):**

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| MK813       | Digital Transformative Project | 5     | 40      |

### **Students for the degree of MSc only (January Start):**

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| MK835       | Digital Transformative Project | 5     | 40      |

Or other modules approved by the Programme Director.

### **Progress, Examination and Final Assessment**

6. In order to progress to the degree of MSc Digital Marketing Management a student must have successfully accumulated at least 140 credits from the programme curriculum.
7. The final award will be based on performance in the assessments, coursework and the Digital Transformative Project.

### **Award**

8. **Degree of MSc:** In order to qualify for the degree of MSc in Digital Marketing Management,

a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the Digital Transformative Project.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Digital Marketing Management, a candidate must have accumulated no fewer than 120 credits from the taught programme curriculum.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Digital Marketing Management, a candidate must have accumulated no fewer than 60 credits from the taught programme curriculum.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MARKETING

### INTERNATIONAL MARKETING

**Master of Science in International Marketing**  
**Postgraduate Diploma in International Marketing**  
**Postgraduate Certificate in International Marketing**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or upper second class Honours degree of a United Kingdom University (in a cognate discipline); or
  - ii. another qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a final project comprising either a Dissertation or Marketing Works project.

#### **Compulsory Modules**

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| MK808       | Strategic Global Marketing               | 5     | 20      |
| MK968       | Key Skills                               | 5     | 10      |
| MK975       | Cross-Cultural Buyer Behaviour           | 5     | 20      |
| MK839       | Brand Management and Strategy            | 5     | 20      |
| MK815       | Marketing Research in a Digital Age      | 5     | 20      |
| MK831       | Social Responsibility and Sustainability | 5     | 10      |

### **Optional Modules**

40 credits chosen from:

Not all optional modules will be available every year and may be replaced by other modules approved by the programme director.

| <b>Module Code</b> | <b>Module Title</b>                          | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------|--------------|----------------|
| MK992              | Export Marketing                             | 5            | 10             |
| MK800              | Sector Studies                               | 5            | 10             |
| MK803              | Sports Marketing in a Global Context         | 5            | 10             |
| MK809              | Managing Tourism Resources                   | 5            | 10             |
| MK812              | B2B Key Account Management                   | 5            | 10             |
| MK985              | Contemporary Consumers                       | 5            | 10             |
| MK989              | Customer-Led e-Marketing                     | 5            | 10             |
| MK990              | Destination Marketing and Management         | 5            | 10             |
| MK994              | Integrated Marketing Communications          | 5            | 10             |
| MK996              | International Culture and Heritage Marketing | 5            | 10             |
| MK998              | International Services Marketing             | 5            | 10             |
| MK999              | Retail Marketing Management                  | 5            | 10             |

**Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
|                    | Either              |              |                |
| MK967              | Dissertation        | 5            | 40             |
|                    | Or                  |              |                |
| MK9XX              | Marketing Works     | 5            | 40             |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates who fail to satisfy the examiners in not more than two modules at the first diet of examinations may, at the discretion of the Board of Examiners, be allowed to proceed to the final project where appropriate and have one further attempt to pass the relevant module(s), normally in the same academic year.

8. The final award will be based on performance in the coursework, in the written examinations and the final project where undertaken.

#### **Award**

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in International Marketing, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the Dissertation MK967 or Marketing Works MK9XX
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Marketing, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Marketing, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MARKETING

### MARKETING

**Master of Science in Marketing**  
**Postgraduate Diploma in Marketing**  
**Postgraduate Certificate in Marketing**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or Upper second class Honours degree in any discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants, whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a final project comprising either a Dissertation or Marketing Works project.

#### **Compulsory Modules (September Start)**

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| MK970       | Strategic Marketing Management           | 5     | 20      |
| MK972       | Consumer Behaviour                       | 5     | 20      |
| MK9XX       | Brand Management and Strategy            | 5     | 20      |
| MK968       | Key Skills                               | 5     | 10      |
| MK831       | Social Responsibility and Sustainability | 5     | 10      |
| MK815       | Marketing Research in a Digital Age      | 5     | 20      |



**Compulsory Modules (January Start)**

| <b>Module Code</b> | <b>Module Title</b>                      | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------|--------------|----------------|
| MK825              | Strategic Marketing Management           | 5            | 20             |
| MK834              | Marketing Research in a Digital Age      | 5            | 20             |
| MK820              | Consumer Behaviour                       | 5            | 20             |
| MK840              | Brand Management and Strategy            | 5            | 20             |
| MK823              | Key Skills                               | 5            | 10             |
| MK838              | Social Responsibility and Sustainability | 5            | 10             |
| MK828              | Customer-Led e-Marketing                 | 5            | 10             |
| MK829              | Destination Marketing and Management     | 5            | 10             |
| MK830              | Integrated Marketing Communications      | 5            | 10             |
| MK827              | Retail Marketing Management              | 5            | 10             |

**Optional Modules (September Start)**

40 credits chosen from:

Not all optional modules will be available every year and may be replaced by other modules approved by the programme director.

| <b>Module Code</b> | <b>Module Title</b>                          | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------|--------------|----------------|
| MK803              | Sports Marketing in a Global Context         | 5            | 10             |
| MK809              | Managing Tourism Resources                   | 5            | 10             |
| MK812              | B2B Key Account Management                   | 5            | 10             |
| MK985              | Contemporary Consumers                       | 5            | 10             |
| MK989              | Customer-Led e-Marketing                     | 5            | 10             |
| MK990              | Destination Marketing and Management         | 5            | 10             |
| MK992              | Export Marketing                             | 5            | 10             |
| MK994              | Integrated Marketing Communications          | 5            | 10             |
| MK996              | International Culture and Heritage Marketing | 5            | 10             |
| MK998              | International Services Marketing             | 5            | 10             |

|       |                             |   |    |
|-------|-----------------------------|---|----|
| MK999 | Retail Marketing Management | 5 | 10 |
|-------|-----------------------------|---|----|

**Students for the degree of MSc only (September Start):**

| Module Code | Module Title    | Level | Credits |
|-------------|-----------------|-------|---------|
| Either      |                 |       |         |
| MK967       | Dissertation    | 5     | 40      |
| Or          |                 |       |         |
| MK9XX       | Marketing Works | 5     | 40      |

**Students for the degree of MSc only (January Start):**

| Module Code | Module Title    | Level | Credits |
|-------------|-----------------|-------|---------|
| Either      |                 |       |         |
| MK826       | Dissertation    | 5     | 40      |
| Or          |                 |       |         |
| MK9XX       | Marketing Works | 5     | 40      |

**Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. Candidates for the degree of MSc who fail to satisfy the Board of Examiners at the first diet of examinations may, at the discretion of the Board of Examiners, be permitted to proceed to the final project and have one further attempt to pass the relevant module(s) normally in the same academic year.
8. The final classification will be based on performance in the examinations, coursework and the final project where undertaken.

**Award**

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Marketing, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits, of which 40 must have been awarded for the Dissertation MK967 or MK826 or Marketing Works MK9XX or MK9XX .
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Marketing, a candidate must have accumulated no fewer than 120 credits from the curriculum.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Marketing, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF MARKETING

### TOURISM MARKETING MANAGEMENT

**Master of Science in Tourism Marketing Management**  
**Postgraduate Diploma Tourism Marketing Management**  
**Postgraduate Certificate Tourism Marketing Management**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a first or Upper second class Honours degree in any discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.
2. In all cases, applicants, whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programmes are available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a final project comprising either a Dissertation or Marketing Works project.

#### **Compulsory Modules**

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| MK809       | Managing Tourism Resources          | 5     | 10      |
| MK927       | Consumer Behaviour                  | 5     | 20      |
| MK968       | Key Skills                          | 5     | 10      |
| MK970       | Strategic Marketing Management      | 5     | 20      |
| MK815       | Marketing Research in a Digital Age | 5     | 20      |
| MK839       | Brand Management and strategy       | 5     | 20      |

|       |                                          |   |    |
|-------|------------------------------------------|---|----|
| MK831 | Social Responsibility and Sustainability | 5 | 10 |
| MK990 | Destination Marketing and Management     | 5 | 10 |
| MK998 | International Services Marketing         | 5 | 10 |

### **Optional Modules**

10 credits chosen from:

Not all optional modules will be available every year and may be replaced by other modules approved by the programme director.

| <b>Module Code</b> | <b>Module Title</b>                          | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------|--------------|----------------|
| MK800              | Sector Studies                               | 5            | 10             |
| MK803              | Sports Marketing in a Global Context         | 5            | 10             |
| MK812              | B2B Key Account Management                   | 5            | 10             |
| MK985              | Contemporary Consumers                       | 5            | 10             |
| MK989              | Customer-Led e-Marketing                     | 5            | 10             |
| MK992              | Export Marketing                             | 5            | 10             |
| MK994              | Integrated Marketing Communications          | 5            | 10             |
| MK996              | International Culture and Heritage Marketing | 5            | 10             |
| MK999              | Retail Marketing Management                  | 5            | 10             |
| MK951              | Food, Beverage & Society                     | 5            | 10             |

**Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
|                    | Either              |              |                |
| MK967              | Dissertation        | 5            | 40             |
|                    | Or                  |              |                |
| MK9XX              | Marketing Works     | 5            | 40             |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), candidates who fail to satisfy the examiners in not more than two modules at the first diet of examinations may, at the discretion of the Board of

Examiners, be allowed to proceed to the final project where appropriate and have one further attempt to pass the relevant module(s), normally in the same academic year.

8. The final award will be based on performance in the coursework, in the written examinations and the final project where undertaken.

#### **Award**

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Tourism Marketing Management, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the Dissertation MK967 or Marketing Works MK9XX.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Tourism Marketing Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Tourism Marketing Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF WORK, EMPLOYMENT AND ORGANISATION

### HUMAN RESOURCE MANAGEMENT

Master of Science in Human Resource Management  
Postgraduate Diploma in Human Resource Management  
Postgraduate Certificate in Human Resource Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
2. Non-graduate applicants should normally have at least three years' relevant experience at an appropriate level in Personnel/Human Resources or Management.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| HR911       | Employee Reward                         | 5     | 10      |
| HR916       | HRM in a Business Context               | 5     | 20      |
| HR922       | Business Skills                         | 5     | 10      |
| HR960       | Leading, Managing and Developing People | 5     | 20      |
| HR961       | Contemporary Employment Relations       | 5     | 20      |

In addition, students will take 10 credits from the following:

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| HR958       | People Resourcing | 5     | 10      |
| Or          |                   |       |         |

|       |                   |   |    |
|-------|-------------------|---|----|
| HR968 | People Resourcing | 5 | 10 |
|-------|-------------------|---|----|

In addition, students will take 20 credits from the following:

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| HR923       | Management Research Report                   | 5     | 20      |
| Or          |                                              |       |         |
| HR962       | Critical Issues in Human Resource Management | 5     | 10      |
| HR963       | Research Methods                             | 5     | 10      |

### **Optional Modules**

No fewer than 10 credits chosen from:

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| HR918       | Labour and Diversity in a Global Context   | 5     | 10      |
| HR955       | Leadership in Organisations                | 5     | 10      |
| HR956       | Psychometrics in Organisations             | 5     | 10      |
| HR964       | Managing Human Resources in Multinationals | 5     | 10      |

Or such other level 5 modules as may be approved by the Programme Leader. Not all optional modules will be available every academic year.

### **Students for the degree of MSc only:**

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| HR945       | Research Methods and Dissertation             | 5     | 60      |
| Or          |                                               |       |         |
| HR953       | Integrated Dissertation and Reflective Report | 5     | 60      |

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Human Resource Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation HR945 or HR953.

8. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Human Resource Management a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Human Resource Management a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.



# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF WORK, EMPLOYMENT AND ORGANISATION

### HUMAN RESOURCES AND INTERNATIONAL MANAGEMENT

Master of Science in Human Resources and International Management  
Postgraduate Diploma in Human Resources and International Management  
Postgraduate Certificate in Human Resources and International Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the project.

#### Compulsory Modules

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| HR916       | HRM in a Business Context                  | 5     | 20      |
| HR918       | Labour and Diversity in a Global Context   | 5     | 10      |
| HR919       | Comparative Employment Relations           | 5     | 20      |
| HR964       | Managing Human Resources in Multinationals | 5     | 10      |
| MG934       | Professional Management Practice           | 5     | 20      |
| MG961       | Global Business Environment                | 5     | 20      |
| MG962       | Managing Across Cultures                   | 5     | 20      |

#### Optional Modules

No fewer than 20 credits chosen from:

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| HR911       | Employee Reward                       | 5     | 10      |
| HR952       | Managing Talent & Succession Planning | 5     | 10      |
| HR958       | People Resourcing                     | 5     | 10      |
| HR959       | Employment Issues and the Law         | 5     | 10      |
| HR962       | Critical Issues in HRM                | 5     | 10      |
| HR965       | Work, Wellbeing and New Technologies  | 5     | 10      |
| MG931       | Business Strategy                     | 5     | 10      |
| MG821       | Leadership for Change and Innovation  | 5     | 10      |
| MG955       | Managing in Europe                    | 5     | 10      |

Or such other level 5 modules as may be approved by the Programme Leader.

#### Students for the degree of MSc:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| MG970       | Project      | 5     | 40      |

#### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Human Resources and International Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 40 must have been awarded in respect of the project MG970.
- Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Human Resources and International Management a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Human Resources and International Management a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF WORK, EMPLOYMENT AND ORGANISATION

### INTERNATIONAL HUMAN RESOURCE MANAGEMENT

**Master of Science in International Human Resource Management**  
**Postgraduate Diploma in International Human Resource Management**  
**Postgraduate Certificate in International Human Resource Management**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall normally possess:
  - i. a first or second class honours degree in any discipline from a United Kingdom University; or
  - ii. other qualifications deemed, by the programme Leader (or nominee) acting on behalf of Senate, to be equivalent to (i) above; or
  - iii. be deemed, by the Programme Leader (or nominee) acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

#### **Mode of Study**

2. The programmes are available by full-time study.

#### **Curriculum**

3. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation.

#### **Compulsory Modules**

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| HR916       | HRM in a Business Context                    | 5     | 20      |
| HR918       | Labour and Diversity in a Global Context     | 5     | 10      |
| HR919       | Comparative Employment Relations             | 5     | 20      |
| HR922       | Business Skills                              | 5     | 10      |
| HR960       | Leading, Managing and Developing People      | 5     | 20      |
| HR962       | Critical Issues in Human Resource Management | 5     | 10      |
| HR963       | Research Methods                             | 5     | 10      |
| HR964       | Managing Human Resources in Multinationals   | 5     | 10      |

### **Optional Modules**

No fewer than 10 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>            | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------|--------------|----------------|
| HR955              | Leadership in Organisations    | 5            | 10             |
| HR958              | People Resourcing              | 5            | 10             |
| HR956              | Psychometrics in Organisations | 5            | 10             |

Or such other level 5 modules as may be approved by the Programme Leader. Not all optional modules will be available every academic year.

### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b>                                    | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------------|--------------|----------------|
| HR953              | Integrated Dissertation and Reflective Research Report | 5            | 60             |

### **Examination, Progress and Final Assessment**

4. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
5. The final award will be based on performance in the examinations, coursework and the dissertation where undertaken.

### **Award**

6. **Degree of MSc:** In order to qualify for the award of the degree of MSc in International Human Resource Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation HR953.
7. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in International Human Resource Management a candidate must have accumulated no fewer than 120 credits from the taught modules from the programme curriculum.
8. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in International Human Resource Management a candidate must have accumulated no fewer than 60 credits from the taught modules from the programme curriculum.

# STRATHCLYDE BUSINESS SCHOOL

## DEPARTMENT OF WORK, EMPLOYMENT AND ORGANISATION

### WORK AND ORGANISATIONAL PSYCHOLOGY

Master of Science in Work and Organisational Psychology

Master of Science in Occupational Psychology

Postgraduate Diploma in Work and Organisational Psychology

Postgraduate Diploma in Occupational Psychology

Postgraduate Certificate in Work and Organisational Psychology

Postgraduate Certificate in Occupational Psychology

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. an upper second-class (2.1) undergraduate Honours degree or above.
  - ii. a lower second class (2.2) degree with demonstrable work experience, considered on an individual basis; or
  - iii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) or (ii) above.
2. Applicants for the MSc Occupational Psychology (BPS-accredited Professional Route, Stage 1) will also have Graduate Basis for Chartered (GBC) membership of the BPS and have obtained a Bachelor's degree or postgraduate degree from a BPS accredited programme.
3. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

4. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of Study

5. The programme is available by full-time study.

#### Place of Study

6. In accordance with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

7. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| WE901       | Assessment and Selection at Work | 5     | 10      |

|       |                                                          |   |    |
|-------|----------------------------------------------------------|---|----|
| WE908 | Work, Health and Wellbeing                               | 5 | 10 |
| WE902 | Developing Talent                                        | 5 | 10 |
| WE903 | Leadership, Engagement and Motivation                    | 5 | 10 |
| WE904 | Organisational Development and Change                    | 5 | 10 |
| WE905 | People Analytics and Professional Practice (Consultancy) | 5 | 10 |

### **MSc Occupational Psychology (BPS Professional Route, Stage 1)**

Students on this route will take the following research methods modules:

| <b>Module Code</b> | <b>Module Title</b>           | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------|--------------|----------------|
| C8939              | Quantitative Research Methods | 5            | 20             |
| C8985              | Qualitative Research Methods  | 5            | 20             |

### **MSc Work and Organisational Psychology (non-accredited route)**

Students on this route will take the following modules:

| <b>Module Code</b> | <b>Module Title</b>                                      | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------|--------------|----------------|
| C8982              | Research Design and Analyses in Psychology               | 5            | 20             |
| WE906              | People Analytics and Professional Practice (Foundations) | 5            | 10             |

Students with recognised previous experience in quantitative research methods may, with the agreement of the Head of Department, substitute module C8939 Quantitative Research Methods for CS989 Big Data Fundamentals and either WE907 People, Technology & Work or WE906 People Analytics and Professional Practice (Foundations).

### **Optional Modules**

No fewer than 20 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                      | <b>Level</b> | <b>Credits</b> |
|--------------------|----------------------------------------------------------|--------------|----------------|
| WE906              | People Analytics and Professional Practice (Foundations) | 5            | 10             |
| WE907              | People, Technology and Work                              | 5            | 10             |
| HR918              | Labour and Diversity in a Global Context                 | 5            | 10             |
| HR962              | Critical Issues in Human Resource Management             | 5            | 10             |
| HR916              | HRM in a Business Context                                | 5            | 20             |
| HR961              | Contemporary Employment Relations                        | 5            | 20             |

|       |                                                     |   |    |
|-------|-----------------------------------------------------|---|----|
| CS804 | Healthy Ageing                                      | 5 | 10 |
| CS822 | Health and Care Data Analytics and Decision Support | 5 | 10 |
| CS979 | Health and Care Data Analytics and Decision Support | 5 | 20 |
| CS981 | Design of Usable Health Systems                     | 5 | 20 |
| CS989 | Big Data Fundamentals                               | 5 | 10 |
| MS980 | Business Analytics                                  | 5 | 20 |

Or other modules approved by the Programme Director.

Not all optional modules on this list will be available in each academic year.

#### Students for the degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| WE909       | Dissertation | 5     | 60      |

#### Examination, Progress and Final Assessment

8. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

9. In order to progress to the degree of MSc Work and Organisational Psychology and MSc in Occupational Psychology (both routes), a student must have successfully accumulated at least 120 credits from the taught modules of the programme curriculum.

#### Award

10. **Degree of MSc in Work and Organisational Psychology:** In order to qualify for the award of MSc in Work and Organisational Psychology a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.

11. **Degree of MSc in Occupational Psychology:** In order to qualify for the award of the degree of MSc in Occupational Psychology (BPS Professional Route, Stage 1) and 40 credits awarded in respect to C8939 Quantitative Research Methods and C8985 Qualitative Research Methods.

12. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Work and Organisational Psychology a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.

13. **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Occupational Psychology a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme, including 40 credits awarded in respect to C8939 Quantitative Research Methods and C8985 Qualitative Research Methods.

14. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Work and Organisational Psychology a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

15. **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Occupational Psychology a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme, including 40 credits awarded in respect to C8939 Quantitative Research Methods and C8985 Qualitative Research Methods.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### ADVANCED COMPUTER SCIENCE

Master of Science in Advanced Computer Science

Master of Science in Advanced Computer Science with Software Engineering

Master of Science in Advanced Computer Science with Artificial Intelligence

Master of Science in Advanced Computer Science with Data Science

Postgraduate Diploma in Advanced Computer Science

Postgraduate Diploma in Advanced Computer Science with Software Engineering

Postgraduate Diploma in Advanced Computer Science with Data Science

Postgraduate Diploma in Advanced Computer Science with Artificial Intelligence

Postgraduate Certificate in Advanced Computer Science

Postgraduate Certificate in Advanced Computer Science with Software Engineering

Postgraduate Certificate in Computer Science with Data Science

Postgraduate Certificate in Advanced Computer Science with Artificial Intelligence

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university (in Computer Science or a closely related subject); or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### Compulsory Modules

| Module Code | Module Title                                                       | Level | Credits |
|-------------|--------------------------------------------------------------------|-------|---------|
| CS957       | Research Methods                                                   | 5     | 10      |
| CS978       | Legal, Ethical and Professional Issues for the Information Society | 5     | 10      |
| CS958       | Project                                                            | 5     | 60      |



## **Advanced Computer Science**

### **Optional Modules**

No fewer than 100 credits of which no more than 20 may be at level 4 chosen from the available modules listed in this Regulation, or any other module as approved by the programme director.

### **Advanced Computer Science with Software Engineering**

A total of 100 credits from the following list:

| <b>Module Code</b> | <b>Module Title</b>                     | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------|--------------|----------------|
| CS547              | Advanced Topics in Software Engineering | 5            | 20             |
| CS548              | Designing Usable Systems                | 5            | 20             |
| CS549              | Distributed Information Systems         | 5            | 20             |
| CS551              | Mobile Software Applications            | 5            | 20             |
| CS982              | Big Data Technologies                   | 5            | 20             |
| MS418              | Project Management*                     | 4            | 20             |
| CS409              | Software Architecture and Design*       | 4            | 20             |

\*Either MS418 Project Management or CS409 Software Architecture and Design

Or any other module as approved by the programme director.

### **Advanced Computer Science with Data Science**

A total of 100 credits from the following list:

| <b>Module Code</b>                                  | <b>Module Title</b>                     | <b>Level</b> | <b>Credits</b> |
|-----------------------------------------------------|-----------------------------------------|--------------|----------------|
| CS549                                               | Distributed Information Systems         | 5            | 20             |
| CS826                                               | Deep Learning Theory and Practice       | 5            | 20             |
| CS985                                               | Machine Learning for Data Analytics     | 5            | 20             |
| Together with 40 credits chosen from the following: |                                         |              |                |
| CS547                                               | Advanced Topics in Software Engineering | 5            | 20             |
| CS551                                               | Mobile Software Applications            | 5            | 20             |
| CS971                                               | Evolutionary Computation for Finance    | 5            | 20             |
| CS976                                               | Information Retrieval                   | 5            | 10             |

|       |                               |   |    |
|-------|-------------------------------|---|----|
| CS975 | Business Analysis             | 5 | 10 |
| CS988 | Big Data Tools and Techniques | 5 | 10 |

Or any other module as approved by the programme director.

### **Advanced Computer Science with Artificial Intelligence**

A total of 100 credits from the following list:

| Module Code                                         | Module Title                                            | Level | Credits |
|-----------------------------------------------------|---------------------------------------------------------|-------|---------|
| CS823                                               | Reasoning for Intelligent Agents                        | 5     | 20      |
| CS824                                               | Quantitative Methods for Artificial Intelligence        | 5     | 10      |
| CS825                                               | Game Theory and Multi-agent Systems                     | 5     | 10      |
| CS826                                               | Deep Learning Theory and Practices                      | 5     | 20      |
| CS827                                               | Deep Learning in Visual Computing Applications          | 5     | 10      |
| Together with 30 credits chosen from the following: |                                                         |       |         |
| CS549                                               | Distributed Information Systems                         | 5     | 20      |
| CS551                                               | Mobile Software Applications                            | 5     | 20      |
| CS815                                               | AI Finance                                              | 5     | 20      |
| CS986                                               | Fundamentals of Machine Learning for Data Analytics     | 5     | 10      |
| CS976                                               | Information Retrieval                                   | 5     | 10      |
| CS975                                               | Business Analysis                                       | 5     | 10      |
| CS983                                               | Evolutionary Computation for Finance 1 (not with CS815) | 5     | 10      |
| CS988                                               | Big Data Tools and Techniques                           | 5     | 10      |

Or any other module as approved by the programme director.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the project, where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of MSc in the chosen programme, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Project CS958.

9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in the chosen programme, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in the chosen programme, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### ARTIFICIAL INTELLIGENCE

**Master of Science in Artificial Intelligence and Applications**  
**Postgraduate Diploma in Artificial Intelligence and Applications**  
**Postgraduate Certificate in Artificial Intelligence and Applications**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a first or second class Honours degree in Computer Science or closely related discipline from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of MSc – no fewer than 180 credits including a project.

#### **Compulsory Modules**

| Module Code | Module Title                                                       | Level | Credits |
|-------------|--------------------------------------------------------------------|-------|---------|
| CS982       | Big Data Technologies                                              | 5     | 20      |
| CS978       | Legal, Ethical and Professional Issues for the Information Society | 5     | 10      |
| CS801       | Quantitative Methods for AI                                        | 5     | 10      |
| CS802       | Deep Learning and Neural Networks                                  | 5     | 20      |
| CS814       | AI for Autonomous Systems                                          | 5     | 20      |

|                                                                    |                                     |   |    |
|--------------------------------------------------------------------|-------------------------------------|---|----|
| CS985                                                              | Machine Learning for Data Analytics | 5 | 20 |
| CS815                                                              | AI for Finance                      | 5 | 20 |
| CS958                                                              | Project*                            | 5 | 60 |
| Other Level 5 modules as may be approved by the Programme Director |                                     |   |    |

\*For the degree of MSc only

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the project, where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of MSc in Artificial Intelligence and Applications, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Project CS958.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Artificial Intelligence and Applications, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Artificial Intelligence and Applications, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### CYBER SECURITY

**Master of Science in Cyber Security**  
**Postgraduate Diploma in Cyber Security**  
**Postgraduate Certificate in Cyber Security**

This is a Graduate Apprenticeship programme.

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of MSc – no fewer than 180 credits including a project.

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| CS812       | Information Security Fundamentals              | 5     | 15      |
| CS813       | Advanced Information Security                  | 5     | 15      |
| CS805       | Advanced Topics in Information Security        | 5     | 15      |
| CS809       | Digital Forensics and Incidence Response       | 5     | 15      |
| CS807       | Vulnerability Assessment and Security Testing  | 5     | 15      |
| CS810       | Compliance and Operational Security Management | 5     | 15      |

|                                                                         |                                                         |   |    |
|-------------------------------------------------------------------------|---------------------------------------------------------|---|----|
| CS806                                                                   | Work-Based Learning in Information Security             | 5 | 30 |
| CS811                                                                   | Information Security Research Project and Dissertation* | 5 | 60 |
| Such other Level 5 modules as may be approved by the Programme Director |                                                         |   |    |

\*For the degree of MSc only

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the project, where undertaken.

### Award

8. **Degree of MSc:** In order to qualify for the award of MSc in Cyber Security, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Project CS811.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Cyber Security, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Cyber Security, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### CYBER SECURITY

**Master of Science in Cyber Security**  
**Postgraduate Diploma in Cyber Security**  
**Postgraduate Certificate in Cyber Security**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university (in Computer Science or a closely related subject); or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including CS958 Project.

#### **Compulsory Modules**

| Module Code | Module Title                                                       | Level | Credits |
|-------------|--------------------------------------------------------------------|-------|---------|
| CS978       | Legal, Ethical and Professional Issues for the Information Society | 5     | 10      |
| CS957       | Research Methods                                                   | 5     | 10      |
| CSXXX       | Information Security Fundamentals                                  | 5     | 10      |
| CSXXX       | Advanced Human Centred Security                                    | 5     | 20      |
| CSXXX       | Security Protocols and Threat Models                               | 5     | 20      |



|       |                                               |   |    |
|-------|-----------------------------------------------|---|----|
| CSXXX | Vulnerability Assessment and Security Testing | 5 | 20 |
| CSXXX | Advanced Security by Design                   | 5 | 20 |
| CSXXX | Research Topics in Cyber Security             | 5 | 10 |
| CS958 | Project                                       | 5 | 60 |

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the project, where undertaken.

### Award

8. **Degree of MSc:** To qualify for the award of MSc in the chosen programme, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the CS958 Project.
9. **Postgraduate Diploma:** To qualify for the award of the Postgraduate Diploma in the chosen programme, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. **Postgraduate Certificate:** To qualify for the award of the Postgraduate Certificate in the chosen programme, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### DIGITAL HEALTH SYSTEMS IMU

Master of Science in Digital Health Systems IMU

Postgraduate Diploma in Digital Health Systems IMU

Postgraduate Certificate in Digital Health Systems IMU

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

With reference to table 1 in the PGT General Regulations, we suggest that for the first year of the programme, 60 credits part time (equivalent to a PGCert), the maximum would be 24 months. The second year, which is full time, is 120 credits, (equivalent to a PGDip), for which the maximum full-time duration is 21 months. Combined this gives a maximum duration of 45 months.

#### Mode of Study

3. Year 1 of the programme is part time by distance (60 credits). Year 2 of the programme is full time (120 credits).

#### Place of Study

4. Students will study year 1 at International Medical University (IMU). Year 2 will be taught at University of Strathclyde.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### First year

##### Compulsory Modules

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| EX965       | External study | 5     | 20      |
| CS9xx*      | Project        | 5     | 40      |

\*For the degree of MSc only

#### Second year

##### Compulsory Modules

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| CS800       | Health Information Governance         | 5     | 10      |
| CS957       | Research Methods                      | 5     | 10      |
| CS990       | Database Fundamentals                 | 5     | 10      |
| CS804       | Healthy Ageing                        | 5     | 10      |
| CS981       | Design of Usable Health Systems       | 5     | 20      |
| CS980       | Digital Health Implementation         | 5     | 20      |
| CS979       | Decision Support and Health Analytics | 5     | 20      |

### **Optional Modules**

A total of 20 credits from the following list:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| CS989       | Big Data Fundamentals           | 5     | 10      |
| MS821       | Managing Healthcare Operations  | 5     | 10      |
| MS999       | Health Economics and Evaluation | 5     | 10      |

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. Students must pass CS9XX (Project) in year 1 in order to progress to year 2.
8. The final award will be based on performance in the examinations, coursework and the project CSxxx where undertaken.

### **Award**

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Digital Health Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the project CSxxx.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Digital Health Systems, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Digital Health Systems, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### DIGITAL HEALTH SYSTEMS

Master of Science in Digital Health Systems  
Postgraduate Diploma in Digital Health Systems  
Postgraduate Certificate in Digital Health Systems

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### Compulsory Modules

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| CS800       | Health Information Governance         | 5     | 10      |
| CS957       | Research Methods                      | 5     | 10      |
| CS990       | Database Fundamentals                 | 5     | 10      |
| CS804       | Healthy Ageing                        | 5     | 10      |
| CS981       | Design of Usable Health Systems       | 5     | 20      |
| CS980       | Digital Health Implementation         | 5     | 20      |
| CS979       | Decision Support and Health Analytics | 5     | 20      |
| CS958       | Project*                              | 5     | 60      |

\*For the degree of MSc only

#### Optional Modules

A total of 20 credits from the following list:

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| CS989       | Big Data Fundamentals           | 5     | 10      |
| MS821       | Managing Healthcare Operations  | 5     | 10      |
| MS999       | Health Economics and Evaluation | 5     | 10      |

### Examination, Progress and Final Assessment

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework and the project CS958 where undertaken.

### Award

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Digital Health Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project CS958.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Digital Health Systems, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Digital Health Systems, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### INFORMATION AND LIBRARY STUDIES

**Master of Science in Information and Library Studies**  
**Postgraduate Diploma in Information and Library Studies**  
**Postgraduate Certificate in Information and Library Studies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Duration of Study**

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

3. The programmes are available by full-time study only.

#### **Curriculum**

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| CS954       | Information Retrieval and Access   | 5     | 20      |
| CS955       | Information Law                    | 5     | 10      |
| CS957       | Research Methods                   | 5     | 10      |
| CS959       | Library Technology and Systems     | 5     | 20      |
| CS997       | Human Information Behaviour        | 5     | 10      |
| CS803       | Information Analysis               | 5     | 10      |
| CS961       | Organisation of Knowledge          | 5     | 20      |
| CS962       | Libraries, Information and Society | 5     | 20      |
| CS803       | Information Analysis               | 5     | 10      |
| CS961       | Organisation of Knowledge          | 5     | 20      |
| CS962       | Libraries, Information and Society | 5     | 20      |
| CS958       | Project*                           | 5     | 60      |

\*For the degree of MSc only

### **Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework, and the project where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Information and Library Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project CS 958.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Information and Library Studies, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Information and Library Studies, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### INFORMATION MANAGEMENT

Master of Science in Information Management  
Postgraduate Diploma in Information Management  
Postgraduate Certificate in Information Management

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)

#### Mode of Study

3. The programmes are available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| MS418       | Project Management                   | 4     | 20      |
| CS952       | Database and Web Systems Development | 5     | 20      |
| CS976       | Information Retrieval                | 5     | 10      |
| CS955       | Information Law                      | 5     | 10      |
| CS985       | Machine Learning for Data Analytics  | 5     | 20      |
| CS957       | Research Methods                     | 5     | 10      |
| CS975       | Business Analysis                    | 5     | 10      |
| CS982       | Big Data Technologies                | 5     | 20      |
| CS958       | Project**                            | 5     | 60      |

\*\* For the degree of MSc only



**Examination, Progress and Final Assessment**

5. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
6. The final award will be based on performance in the examinations, coursework, the industrial placement and the dissertation where undertaken.

**Award**

7. Degree of MSc Information Management: In order to qualify for the award of the degree of MSc in Information Management, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project CS958.
8. Postgraduate Diploma in Information Management: In order to qualify for the award of the Postgraduate Diploma in Information Management, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
9. Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Information Management, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### SOFTWARE DEVELOPMENT

**Master of Science in Software Development**  
**Postgraduate Diploma in Software Development**  
**Postgraduate Certificate in Software Development**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

4. The programme is available by full-time study only.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of MSc – no fewer than 180 credits including a project.

#### **Compulsory Modules**

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| CS995       | Introduction to Programming Principles | 5     | 20      |
| CS994       | Object Orientated Programming          | 5     | 20      |
| CS990       | Database Fundamentals                  | 5     | 10      |
| CS992       | Database Development                   | 5     | 10      |
| CS991       | Mobile Application Development         | 5     | 20      |
| CS993       | Software Engineering                   | 5     | 20      |

|                                                                         |                                                                    |   |    |
|-------------------------------------------------------------------------|--------------------------------------------------------------------|---|----|
| CS808                                                                   | Computer Security Fundamentals                                     | 5 | 10 |
| CS978                                                                   | Legal, Ethical and Professional Issues for the Information Society | 5 | 10 |
| CS958                                                                   | Project*                                                           | 5 | 60 |
| Such other Level 5 modules as may be approved by the Programme Director |                                                                    |   |    |

\*Students for the degree of MSc only

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the project, where undertaken.

### **Award**

8. Degree of MSc: In order to qualify for the award of MSc in Software Development, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Project CS958.
9. Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Software Development, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Software Development, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## FACULTY PROGRAMMES

### ADVANCED SCIENCE

Master of Science in Advanced Science  
Postgraduate Diploma in Advanced Science  
Postgraduate Certificate in Advanced Science

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of Study

3. As permitted by the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) this programme makes use of distance learning and on campus delivery.

#### Place of Study

4. The programme is available on a part-time and distance learning basis only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of MSc – no fewer than 180 credits including a dissertation.
6. Students will have the option of choosing to a specialist subject e.g. Biomedical Sciences, Chemical Sciences, Computer Science, Information Science, Mathematics, Pharmaceutical Science, Physics, and Statistics by selecting 50% of their modules from the subject.

#### Compulsory Modules

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| SF932       | Professional Development: Review, Reflection and Planning | 5     | 20      |

#### Students for the degree of MSc only:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| SF931       | Project      | 5     | 60      |

### Optional Modules

No fewer than 100 credits chosen from the Level 5 modules offered by the Faculty of Science.

With the approval of the Programme Director, students may substitute other Level 5 modules offered by the University for one or more of the modules offered by the Faculty of Science.

### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
8. The final award will be based on performance in the examinations and coursework together with the project where undertaken.

### Award

9. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Science, a candidate must accumulated no fewer than 180 credits, of which a minimum of 60 must have been awarded in respect of the project.
10. **Degree of MSc with specialisation:** In order to qualify for the award of the degree of MSc in Advanced Science with specialisation in a subject, a candidate must accumulated no fewer than 180 credits, of which 120 must have been awarded in modules from that subject, including the project.
11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Science, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
12. **Postgraduate Diploma with specialisation:** In order to qualify for the award of the Postgraduate Diploma in Advanced Science with specialisation in a subject, a candidate must accumulated no fewer than 120 credits, of which 60 must have been awarded in modules from that subject.
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Science, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF SCIENCE

## DEPARTMENT OF MATHEMATICS AND STATISTICS

### ACTUARIAL SCIENCE

Master of Science in Actuarial Science  
Postgraduate Diploma in Actuarial Science  
Postgraduate Certificate in Actuarial Science

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### Compulsory Modules

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| AG910       | Principles of Finance                     | 5     | 20      |
| MM914       | Foundations of Probability and Statistics | 5     | 20      |
| MM951       | Inference and Regression Modelling        | 5     | 20      |
| EC948       | Fundamentals of Macroeconomics            | 5     | 10      |
| EC953       | Fundamentals of Microeconomics            | 5     | 10      |
| MM908       | Research Project*                         | 5     | 40      |

\*For the degree of MSc only

#### Optional Modules

No fewer than 60 credits

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| AG916       | Behavioural Finance             | 5     | 10      |
| AG924       | Portfolio Theory and Management | 5     | 10      |

|       |                                                     |   |    |
|-------|-----------------------------------------------------|---|----|
| AG919 | Risk Management for Banks                           | 5 | 10 |
| AG937 | Fixed Income Analysis                               | 5 | 10 |
| AG938 | Equity Analysis                                     | 5 | 10 |
| MM905 | Financial Econometrics                              | 5 | 10 |
| MM904 | Financial Stochastic Processes                      | 5 | 10 |
| MM913 | Quantitative Risk Analysis                          | 5 | 10 |
| MM915 | Spatial Statistics                                  | 5 | 10 |
| MM960 | Statistical Machine Learning                        | 5 | 10 |
| CS983 | Evolutionary Computation for Finance 1              | 5 | 10 |
| CS984 | Evolutionary Computation for Finance 2              | 5 | 10 |
| CS986 | Fundamentals of Machine Learning for Data Analytics | 5 | 10 |
| CS987 | Advanced Machine Learning for Data Analytics        | 5 | 10 |
| MS927 | Risk Analysis and Management                        | 5 | 10 |
| EC947 | Topics in Public Economics                          | 5 | 10 |
| EC949 | International Macroeconomics                        | 5 | 10 |

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

With the approval of the Programme Director, students may substitute other Level 5 modules offered by the University for one or more of the optional modules listed above.

### Examination, Progress and Final Assessment

- See [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the research project where undertaken.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of the MSc in Actuarial Science, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the project MM908.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Actuarial Science, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Actuarial Science, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF MATHEMATICS AND STATISTICS

### APPLIED MATHEMATICAL SCIENCES

**Master of Science in Applied Mathematical Sciences**  
**Postgraduate Diploma in Applied Mathematical Sciences**  
**Postgraduate Certificate in Applied Mathematical Sciences**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in Mathematics or a closely related subject); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 180 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the Postgraduate Certificate no fewer than 60 credits

| Module Code | Module Title                                                         | Level | Credits |
|-------------|----------------------------------------------------------------------|-------|---------|
| MM502       | Modelling and Simulation with Applications to Financial Derivatives  | 5     | 20      |
| MM503       | Applicable Analysis 3                                                | 5     | 20      |
| MM504       | Statistical Modelling and Analysis                                   | 5     | 20      |
| MM505       | Fluids and Waves                                                     | 5     | 20      |
| MM506       | Finite Element Methods for Boundary Value Problems and Approximation | 5     | 20      |
| MM552       | Applied Analysis and PDEs 1                                          | 5     | 20      |
| MM554       | Applied Mathematics Methods 1                                        | 5     | 20      |
| MM560       | Statistics 1                                                         | 5     | 20      |



|       |                                                      |   |    |
|-------|------------------------------------------------------|---|----|
| MM562 | Probability 1                                        | 5 | 20 |
| MM507 | Applied Statistics in Society                        | 5 | 20 |
| MM508 | Mathematical Biology and Marine Population Modelling | 5 | 20 |
| MM509 | Mathematical Introduction to Networks                | 5 | 20 |
| MM553 | Applied Analysis and PDEs 2                          | 5 | 20 |
| MM561 | Statistics 2                                         | 5 | 20 |
| MM563 | Probability 2                                        | 5 | 20 |
| MM518 | Topics in Numerical Analysis                         | 5 | 20 |
| MM916 | Data Analytics in R                                  | 5 | 20 |
| MM512 | Optimisation: Theory and Practice                    | 5 | 20 |
| MM909 | Medical Statistics                                   | 5 | 20 |
| MM911 | Effective Statistical Consultancy                    | 5 | 10 |
| MM915 | Bayesian Spatial Statistics                          | 5 | 10 |
| MM550 | Project*                                             | 5 | 60 |

\*For the degree of MSc only

Or such other Level 4 and 5 modules as may be approved by the Programme Director.

### **Curriculum (Part-time Study)**

- Students studying on a part-time basis will normally take modules amounting to at least 60 credits in each year.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Project where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Mathematical Sciences, a candidate must have accumulated no fewer than 180 credits from the programme curriculum, of which 60 must have been awarded in respect of the Project MM550, including at least 150 credits at Level 5.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Mathematical Sciences, a candidate must have accumulated no fewer than 120 credits from the modules of the programme, including at least 100 credits at Level 5.

10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Mathematical Sciences, a candidate must have accumulated no fewer than 60 credits from the modules of the programme, including at least 50 credits at Level 5.

# **FACULTY OF SCIENCE**

## **DEPARTMENT OF MATHEMATICS AND STATISTICS**

### **APPLIED STATISTICS**

**Master of Science in Applied Statistics**  
**Master of Science in Applied Statistics (Online)**  
**Master of Science in Applied Statistics in Health Sciences**  
**Master of Science in Applied Statistics in Health Sciences (Online)**  
**Master of Science in Applied Statistics with Data Science**  
**Master of Science in Applied Statistics with Data Science (Online)**  
**Master of Science in Applied Statistics in Finance**  
**Master of Science in Applied Statistics in Finance (Online)**  
**Postgraduate Diploma in Applied Statistics**  
**Postgraduate Diploma in Applied Statistics (Online)**  
**Postgraduate Diploma in Applied Statistics in Health Sciences**  
**Postgraduate Diploma in Applied Statistics in Health Sciences (Online)**  
**Postgraduate Diploma in Applied Statistics with Data Science**  
**Postgraduate Diploma in Applied Statistics with Data Science (Online)**  
**Postgraduate Diploma in Applied Statistics in Finance**  
**Postgraduate Diploma in Applied Statistics in Finance (Online)**  
**Postgraduate Certificate in Applied Statistics**  
**Postgraduate Certificate in Applied Statistics (Online)**  
**Postgraduate Certificate in Applied Statistics in Health Sciences**  
**Postgraduate Certificate in Applied Statistics in Health Sciences (Online)**  
**Postgraduate Certificate in Applied Statistics with Data Science**  
**Postgraduate Certificate in Applied Statistics with Data Science (Online)**  
**Postgraduate Certificate in Applied Statistics in Finance**  
**Postgraduate Certificate in Applied Statistics in Finance (Online)**  
**Master of Science in Medical Statistics**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply subject to the following requirements. Applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.

#### **Duration of Study**

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### **Mode of Study**

3. The programmes are available by full-time (on-campus versions only) or part-time study (online versions and MSc Medical Statistics).

#### **Curriculum**

4. All students shall undertake an approved curriculum as follows:
- i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a research project

### **Compulsory Modules for on-campus MSc Applied Statistics**

All of the compulsory modules listed below plus 10 credits from list A

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| MM914       | Foundations of Probability and Statistics | 5     | 20      |
| MM916       | Data Analytics in R                       | 5     | 20      |
| MM953       | Experimental Design                       | 5     | 10      |
| MM954       | Multivariate Analysis                     | 5     | 10      |
| MM550       | MSc Project                               | 5     | 60      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM550 which cannot be substituted).

### **List A**

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MM913       | Quantitative Risk Analysis | 5     | 10      |
| MM915       | Spatial Statistics         | 5     | 10      |

### **Optional Modules for on-campus MSc Applied Statistics**

No fewer than 50 credits excluding those previously chosen from List A

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| MM904       | Financial Stochastic Process <sup>1</sup> | 5     | 10      |
| MM905       | Financial Econometrics <sup>1</sup>       | 5     | 10      |
| MM909       | Medical Statistics <sup>2</sup>           | 5     | 10      |
| MM911       | Effective Statistical Consultancy         | 5     | 10      |
| MM912       | Survey Design and Analysis                | 5     | 10      |
| MM913       | Quantitative Risk Analysis                | 5     | 10      |

|       |                                            |   |    |
|-------|--------------------------------------------|---|----|
| MM915 | Spatial Statistics                         | 5 | 10 |
| MM962 | Data Dashboards with RShiny <sup>3</sup>   | 5 | 10 |
| MM960 | Statistical Machine Learning               | 5 | 10 |
| CS817 | Big Data Tools and Techniques <sup>3</sup> | 5 | 10 |
| CS818 | Big Data Fundamentals <sup>3</sup>         | 5 | 10 |
| CS830 | Machine Learning for Data Analytics        | 5 | 20 |

<sup>1</sup>Compulsory module for Applied Statistics in Finance. <sup>2</sup>Compulsory module for Applied Statistics in Health Sciences. <sup>3</sup>Compulsory module for Applied Statistics with Data Science.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

With the approval of the Programme Director, students may substitute other Level 5 modules offered by the University up to a maximum of 40 credits.

### **Compulsory Modules for online MSc Applied Statistics (September Start, 3 year)**

All of the compulsory modules listed below plus 10 credits from List B

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| MM922       | Foundations of Probability and Statistics | 5     | 20      |
| MM923       | Data Analytics in R                       | 5     | 20      |
| MM924       | Statistical Modelling and Analysis        | 5     | 20      |
| MM930       | MSc Project                               | 5     | 60      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM930 which cannot be substituted).

### **List B**

| Module Code | Module Title               | Level | Credits |
|-------------|----------------------------|-------|---------|
| MM925       | Quantitative Risk Analysis | 5     | 10      |
| MM928       | Spatial Statistics         | 5     | 10      |

### **Optional Modules for online MSc Applied Statistics (September Start, 3 year)**

No fewer than 50 credits excluding those previously chosen from List B

| Module Code | Module Title                                       | Level | Credits |
|-------------|----------------------------------------------------|-------|---------|
| MM956       | Financial Stochastic Process (online) <sup>1</sup> | 5     | 10      |
| MM955       | Financial Econometrics (online) <sup>1</sup>       | 5     | 10      |
| MM927       | Medical Statistics <sup>2</sup>                    | 5     | 10      |
| MM929       | Effective Statistical Consultancy                  | 5     | 10      |
| MM926       | Survey Design and Analysis                         | 5     | 10      |
| MM925       | Quantitative Risk Analysis                         | 5     | 10      |
| MM928       | Spatial Statistics                                 | 5     | 10      |
| MM961       | Data Dashboards with RShiny <sup>3</sup>           | 5     | 10      |
| CS817       | Big Data Tools and Techniques <sup>3</sup>         | 5     | 10      |
| CS818       | Big Data Fundamentals <sup>3</sup>                 | 5     | 10      |
| CS830       | Machine Learning for Data Analytics                | 5     | 20      |

<sup>1</sup>Compulsory module for Applied Statistics in Finance. <sup>2</sup>Compulsory module for Applied Statistics in Health Sciences. <sup>3</sup>Compulsory module for Applied Statistics with Data Science.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University up to a maximum of 40 credits.

### **Compulsory Modules for online MSc Applied Statistics (September Start, 2 year)**

All of the compulsory modules listed below plus 10 credits from List B

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| MM922       | Foundations of Probability and Statistics | 5     | 20      |
| MM923       | Data Analytics in R                       | 5     | 20      |
| MM924       | Statistical Modelling and Analysis        | 5     | 20      |
| MM931       | MSc Project                               | 5     | 60      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM931 which cannot be substituted).

### **Optional Modules for online MSc Applied Statistics (September Start, 2 year)**

Students for the September start 2 year version of the programme take no fewer than 50 credits from the optional modules listed above for the online MSc Applied Statistics (September Start, 3 year) excluding those previously chosen from List B.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University up to a maximum of 40 credits.

### **Compulsory Modules for online MSc Applied Statistics (January Start, 3 year)**

All of the compulsory modules listed below plus 10 credits from List B

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| MM959       | Foundations of Probability and Statistics | 5     | 20      |
| MM957       | Data Analytics in R                       | 5     | 20      |
| MM958       | Statistical Modelling and Analysis        | 5     | 20      |
| MM933       | MSc Project                               | 5     | 60      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM933 which cannot be substituted).

### **Optional Modules for online MSc Applied Statistics (January Start, 3 year)**

Students for the January start 3 year version of the programme take no fewer than 50 credits from the optional modules listed above for the online MSc Applied Statistics (September Start, 3 year) excluding those previously chosen from List B.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University up to a maximum of 40 credits.

### **Compulsory Modules for online MSc Applied Statistics (September Start, 2 year)**

All of the compulsory modules listed below plus 10 credits from List B

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| MM922       | Foundations of Probability and Statistics | 5     | 20      |
| MM923       | Data Analytics in R                       | 5     | 20      |
| MM924       | Statistical Modelling and Analysis        | 5     | 20      |
| MM931       | MSc Project                               | 5     | 60      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be

substituted subject to approval by the Programme Director (with the exception of MM931 which cannot be substituted).

### **Optional Modules for online MSc Applied Statistics (September Start, 2 year)**

Students for the September start 2 year version of the programme take no fewer than 50 credits from the optional modules listed above for the online MSc Applied Statistics (September Start, 3 year) excluding those previously chosen from List B.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University up to a maximum of 40 credits.

### **Compulsory Modules for online MSc Applied Statistics (January Start, 2 year)**

All of the compulsory modules listed below plus 10 credits from List B

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| MM959       | Foundations of Probability and Statistics | 5     | 20      |
| MM957       | Data Analytics in R                       | 5     | 20      |
| MM958       | Statistical Modelling and Analysis        | 5     | 20      |
| MM932       | MSc Project                               | 5     | 60      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM932 which cannot be substituted).

### **Optional Modules for online MSc Applied Statistics (January Start, 2 year)**

Students for the January start 2 year version of the programme take no fewer than 50 credits from the optional modules listed above for the online MSc Applied Statistics (September Start, 3 year) excluding those previously chosen from List B

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University up to a maximum of 40 credits.

### **Compulsory Modules for on-campus MSc Applied Statistics with Data Science**

Students for the 'with Data Science' version of the programme take the on-campus compulsory modules listed above for on-campus MSc Applied Statistics plus the following additional compulsory modules.

| Module Code | Module Title                  | Level | Credits |
|-------------|-------------------------------|-------|---------|
| CS988       | Big Data Tools and Techniques | 5     | 10      |
| CS989       | Big Data Fundamentals         | 5     | 10      |



|       |                             |   |    |
|-------|-----------------------------|---|----|
| MM962 | Data Dashboards with RShiny | 5 | 10 |
|-------|-----------------------------|---|----|

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM930 which cannot be substituted).

### **Optional Modules for on-campus MSc Applied Statistics with Data Science**

Students for the 'with Data Science' version of the programme should choose no fewer than 20 credits from the optional modules listed for the on-campus MSc Applied Statistics with the exclusion of those chosen from List A and MM962, which is compulsory.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University for one or more of the modules listed above up to a maximum of 40 credits.

### **Compulsory Modules for online MSc Applied Statistics with Data Science (September and January starts, 2 and 3 year programmes)**

Students for the 'with Data Science' version of the programme take the online compulsory modules listed above for online MSc Applied Statistics (September start or January start as appropriate, 2 or 3 year as appropriate) plus the following additional compulsory modules.

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| CS817       | Big Data Tools and Techniques       | 5     | 10      |
| CS818       | Big Data Fundamentals               | 5     | 10      |
| MM961       | Data Dashboard with RShiny (online) | 5     | 10      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM930 which cannot be substituted).

### **Optional Modules for online MSc Applied Statistics with Data Science (September and January starts, 2 and 3 year programmes)**

Students for the 'with Data Science' version of the programme should choose no fewer than 20 credits from the optional modules listed for the online MSc Applied Statistics with the exclusion of those chosen from List B and MM961, which is compulsory.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University for one or more of the modules listed above up to a maximum of 40 credits.

### **Compulsory Modules for on-campus MSc Applied Statistics in Finance**

Students for the 'in Finance' version of the programme take the on-campus compulsory modules listed above for on-campus MSc Applied Statistics plus the following additional compulsory modules.

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| MM904       | Financial Stochastic Processes | 5     | 10      |
| MM905       | Financial Econometrics         | 5     | 10      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM930 which cannot be substituted).

### **Optional Modules for on-campus MSc Applied Statistics in Finance**

Students for the 'in Finance' version of the programme should choose no fewer than 30 credits from the optional modules listed for the on-campus MSc Applied Statistics with the exclusion of those chosen from List A and MM904 and MM905, which are compulsory.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University for one or more of the modules listed above up to a maximum of 40 credit.

### **Compulsory Modules for online MSc Applied Statistics in Finance (September and January starts 2 and 3 year programmes)**

Students for the 'in Finance' version of the programme take the online compulsory modules listed above for the online MSc Applied Statistics (September or January start as appropriate, 2 or 3 year as appropriate) plus the following additional compulsory modules.

| Module Code | Module Title                            | Level | Credits |
|-------------|-----------------------------------------|-------|---------|
| MM956       | Financial Stochastic Processes (online) | 5     | 10      |
| MM955       | Financial Econometrics (online)         | 5     | 10      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM930 which cannot be substituted).

### **Optional Modules for online MSc Applied Statistics in Finance (September and January starts 2 and 3 year programmes)**

Students for the 'in Finance' version of the programme should choose no fewer than 30 credits from the optional modules listed above for the online MSc Applied Statistics with the exclusion of those chosen from List B and MM955 and MM956 which are compulsory.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University for one or more of the modules listed above up to a maximum of 40 credits.

### **Compulsory Modules for on-campus MSc Applied Statistics in Health Sciences**

Students for the 'in Health Sciences' version of the programme take the on-campus compulsory modules listed above for on-campus MSc Applied Statistics plus the following additional compulsory modules.

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| MM909       | Medical Statistics | 5     | 20      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM550 which cannot be substituted).

### **Optional Modules for on-campus MSc Applied Statistics in Health Sciences**

Students for the 'in Health Sciences' version of the programme should choose no fewer than 30 credits from the optional modules listed above for the on-campus MSc Applied Statistics with the exclusion of those chosen from List A.

With the approval of the Programme Director, students may substitute other Level 5 modules offered by the University up to a maximum of 40 credits.

### **Compulsory Modules for online MSc Applied Statistics in Health Sciences (September and January starts 2 and 3 year programmes)**

Students for the 'in Health Sciences' version of the programme take the online compulsory modules listed above for the online MSc Applied Statistics (September or January start as appropriate, 2 or 3 year as appropriate) plus the following additional compulsory modules.

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| MM927       | Medical Statistics | 5     | 20      |

In exceptional circumstances, where a student has already been awarded credit for a corresponding Strathclyde Level 4 module, a maximum of 20 credits at Level 5 may be substituted subject to approval by the Programme Director (with the exception of MM930 which cannot be substituted).

### **Optional Modules for online MSc Applied Statistics in Health Sciences (September and January starts 2 and 3 year programmes)**

Students for the 'in Health Sciences' version of the programme should choose no fewer than 30 credits from the optional modules listed above for the online MSc Applied Statistics with the exclusion of those chosen from List B and MM927 which is compulsory.

With the approval of the Programme Director, students may substitute other Level 5 optional modules offered by the University up to a maximum of 40 credits.

### **MSc Medical Statistics (September start)**

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------|--------------|----------------|
| MM922              | Foundations of Probability and Statistics | 5            | 20             |
| MM923              | Data Analytics in R                       | 5            | 20             |
| MM924              | Statistical Modelling and Analysis        | 5            | 20             |
| MM927              | Medical Statistics                        | 5            | 20             |
| MM929              | Effective Statistical Consultancy         | 5            | 10             |
| MM926              | Survey Design and Analysis                | 5            | 10             |
| MM928              | Spatial Statistics                        | 5            | 10             |
| MM925              | Quantitative Risk Analysis                | 5            | 10             |
| MM919              | Degree Apprenticeship Project             | 5            | 60             |

With the approval of the Programme Director, students may substitute other Level 5 modules offered by the University up to a maximum of 40 credits.

### **MSc Medical Statistics (January start)**

#### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                           | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------|--------------|----------------|
| MM959              | Foundations of Probability and Statistics     | 5            | 20             |
| MM957              | Data Analytics in R                           | 5            | 20             |
| MM958              | Statistical Modelling and Analysis            | 5            | 20             |
| MM927              | Medical Statistics                            | 5            | 20             |
| MM929              | Effective Statistical Consultancy             | 5            | 10             |
| MM926              | Survey Design and Analysis                    | 5            | 10             |
| MM928              | Spatial Statistics                            | 5            | 10             |
| MM925              | Quantitative Risk Analysis                    | 5            | 10             |
| MM963              | Degree Apprenticeship Project (January Start) | 5            | 60             |

With the approval of the Programme Director, students may substitute other Level 5 modules offered by the University up to a maximum of 40 credits.

### **Examination, Progress and Final Assessment**

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
6. The final award will be based on performance in the examinations, coursework and the project where undertaken.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of the MSc, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project (one of MM550, MM930, MM931, MM932, MM933, MM919, MM963).
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF MATHEMATICS AND STATISTICS

### QUANTITATIVE FINANCE

Master of Science in Quantitative Finance  
Postgraduate Diploma in Quantitative Finance  
Postgraduate Certificate in Quantitative Finance

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including MM908 Research Project.

#### Compulsory Modules

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| AG910       | Principles of Finance                               | 5     | 20      |
| AG912       | International Financial Markets and Banking         | 5     | 20      |
| MM907       | Foundations of Mathematical and Statistical Finance | 5     | 20      |
| CS982       | Big Data Technologies                               | 5     | 20      |
| MM904       | Financial Stochastic Processes                      | 5     | 10      |
| MM908       | Research Project*                                   | 5     | 40      |

\*For the degree of MSc only

#### Optional Modules

50 credits with students choosing 20 credits of modules from each of Lists A and C and 10 credits from List B.

#### List A

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                     |   |    |
|-------|-------------------------------------|---|----|
| AG916 | Behavioural Finance                 | 5 | 10 |
| AG924 | Portfolio Theory and Management     | 5 | 10 |
| AG925 | Derivatives and Treasury Management | 5 | 20 |
| AG937 | Fixed Income Analysis               | 5 | 20 |

### **List B**

| Module Code | Module Title                 | Level | Credits |
|-------------|------------------------------|-------|---------|
| MM917       | Networks in Finance          | 5     | 10      |
| MM905       | Financial Econometrics       | 5     | 10      |
| MM960       | Statistical Machine Learning | 5     | 10      |

### **List C**

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| CS971       | Evolutionary Computation for Finance | 5     | 20      |
| CS952       | Database and Web Systems Development | 5     | 20      |
| CS985       | Machine Learning for Data Analytics  | 5     | 20      |

Not all optional modules on these lists will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

With the approval of the Programme Director, students may substitute other Level 5 modules offered by the University for one or more of the optional modules listed above.

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the research project MM908 where undertaken.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of the MSc in Quantitative Finance, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the research project MM908.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Quantitative Finance, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Quantitative Finance, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### ADVANCED PHYSICS

**Master of Science in Advanced Physics**  
**Postgraduate Diploma in Advanced Physics**  
**Postgraduate Certificate in Advanced Physics**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Mode of Study**

3. The programme is available by full-time and part-time study.

#### **Curriculum**

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### **Compulsory Modules**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| PH949       | Physics Skills | 5     | 20      |
| PH952       | Project*       | 5     | 60      |

\*For the degree of MSc only

#### **Optional Modules**

A total of 100 credits from the list of optional modules

| Module Code | Module Title             | Level | Credits |
|-------------|--------------------------|-------|---------|
| PH953       | Introductory Nanoscience | 5     | 20      |



|       |                                                           |   |    |
|-------|-----------------------------------------------------------|---|----|
| PH955 | Advanced Nanoscience 1                                    | 5 | 20 |
| PH956 | Advanced Nanoscience 2                                    | 5 | 20 |
| PH957 | Topics in Photonics                                       | 5 | 20 |
| PH960 | Advanced Topics in Photonics                              | 5 | 20 |
| PH962 | Photonic Materials and Devices                            | 5 | 20 |
| PH963 | Advanced Photonic Devices                                 | 5 | 20 |
| PH988 | Topics in Quantum Physics                                 | 5 | 20 |
| PH551 | Research Skills                                           | 5 | 20 |
| PH560 | Advanced Topics in Electromagnetism and Plasma Physics    | 5 | 20 |
| PH562 | Advanced Topics in Quantum Optics                         | 5 | 20 |
| PH967 | Computational Physics                                     | 5 | 20 |
| PH968 | Experimental Laboratories                                 | 5 | 20 |
| PH913 | Advanced Topics in Quantum Physics - Quantum Technologies | 5 | 20 |

Such other modules as may be approved by the Adviser of Study to bring the total number of Level 5 modules to at least 150. Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the project.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Physics, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Physics, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Physics, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### APPLIED PHYSICS

**Master of Science Applied Physics**  
**Postgraduate Diploma in Applied Physics**  
**Postgraduate Certificate in Applied Physics**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirements. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Mode of Study**

3. The programme is available by full-time and part-time study.

#### **Curriculum**

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation.

#### **Compulsory Modules**

| Module Code | Module Title   | Level | Credits |
|-------------|----------------|-------|---------|
| PH949       | Physics Skills | 5     | 20      |
| PH952       | Project*       | 5     | 60      |

\*For the degree of MSc only. If the project is not done in the Department of Physics, students are registered on a 60 credit PGT project of the Department providing the project supervision but assessed under the PH952 module rules.

#### **Optional Modules**

| Module Code | Module Title             | Level | Credits |
|-------------|--------------------------|-------|---------|
| PH953       | Introductory Nanoscience | 5     | 20      |

|       |                                                        |   |    |
|-------|--------------------------------------------------------|---|----|
| PH955 | Advanced Nanoscience 1                                 | 5 | 20 |
| PH956 | Advanced Nanoscience 2                                 | 5 | 20 |
| PH957 | Topics in Photonics                                    | 5 | 20 |
| PH958 | Optical Design                                         | 5 | 20 |
| PH960 | Advanced Topics in Photonics                           | 5 | 20 |
| PH962 | Photonic Materials and Devices                         | 5 | 20 |
| PH963 | Advanced Photonic Devices                              | 5 | 20 |
| EE473 | Photonic Systems                                       | 4 | 20 |
| EE972 | Control Principles                                     | 4 | 20 |
| PH560 | Advanced Topics in Electromagnetism and Plasma Physics | 5 | 20 |
| PH967 | Computational Physics                                  | 5 | 20 |
| PH968 | Experimental Laboratories                              | 5 | 20 |
| PH551 | Research Skills                                        | 5 | 20 |

Such other modules as may be approved by the Adviser of Study to bring the total number of Level 5 modules to at least 150. Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the first attempt examinations, coursework and the project.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Applied Physics, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Physics, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applied Physics, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### INDUSTRIAL PHOTONICS

**Master of Science in Industrial Photonics**  
**Postgraduate Diploma in Industrial Photonics**  
**Postgraduate Certificate in Industrial Photonics**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.
2. Applicants may be required to attend an interview.

#### **Place of Study**

3. Some individual research projects may require off-campus work.

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the degree of MSc – no fewer than 180 credits including a project.

#### **Compulsory Modules**

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| PH950       | Research Skills                            | 5     | 20      |
| PH951       | Project Training                           | 5     | 20      |
| PH957       | Topics in Photonics                        | 5     | 20      |
| PH963       | Advanced Photonic Devices and Applications | 5     | 20      |
| EE979       | Systems Engineering                        | 5     | 20      |

|       |          |   |    |
|-------|----------|---|----|
| PH952 | Project* | 5 | 60 |
|-------|----------|---|----|

\*For the degree of MSc only

Subject to the approval of the Programme Director, students may substitute a maximum of two Level 5 modules with other Level 5 modules.

### **Optional Modules**

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| PH958       | Optical Design                 | 5     | 20      |
| PH962       | Photonic Materials and Devices | 5     | 20      |
| EE473       | Photonic Systems               | 4     | 20      |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the project.

### **Award**

- Degree of MSc: In order to qualify for the award of the degree of MSc in Industrial Photonics, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.
- Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Industrial Photonics, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Industrial Photonics, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### NANOSCIENCE

**Master of Science in Nanoscience**  
**Postgraduate Diploma in Nanoscience**  
**Postgraduate Certificate in Nanoscience**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.
2. Applicants may be required to attend an interview.

#### Place of Study

3. Some individual research projects may require off-campus work.

#### Mode of Study

4. The programmes are available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a 60-credit project.

#### Compulsory Modules

| Module Code | Module Title                          | Level | Credits |
|-------------|---------------------------------------|-------|---------|
| PH949       | Physics Skills                        | 5     | 20      |
| PH953       | Introductory Nanoscience              | 5     | 20      |
| PH955       | Advanced Nanoscience 1                | 5     | 20      |
| CH927       | Advanced Nanoscience 3: Nanochemistry | 5     | 20      |
| PH952       | Project***                            | 5     | 60      |
| PH954       | Physics Conversion Programme*         | 5     | 20      |

|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| Or    |                                       |   |    |
| CH106 | Chemistry: Principles And Practice 1* | 1 | 20 |
| And   |                                       |   |    |
| PH968 | Experimental Laboratories**           | 5 | 20 |
| Or    |                                       |   |    |
| PH956 | Advanced Nanoscience 2**              | 5 | 20 |

\*Either PH954 Physics Conversion Programme or CH106 Chemistry: Principles And Practice 1 or another appropriate module approved by the Programme Director.

\*\*Either PH956 Advanced Nanoscience 2 or PH968 Experimental Laboratories or another appropriate module approved by the Programme Director.

\*\*\*For the degree of MSc only. If the project is not done in the Department of Physics, students are registered on a 60 credit PGT project of the Department providing the project supervision but assessed under the PH952 module rules.

Subject to the approval of the Programme Director, students may substitute a maximum of two Level 5 modules (totalling no more than 40 credits) with other Level 5 modules. Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework, and the project.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Nanoscience, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Nanoscience, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Nanoscience, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### PHOTONICS

**Master of Science in Photonics**  
**Postgraduate Diploma in Photonics**  
**Postgraduate Certificate in Photonics**

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.
2. Applicants may be required to attend an interview.

#### **Place of Study**

3. Some individual research projects may require off-campus work.

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### **Compulsory Module**

| Module Code | Module Title              | Level | Credits |
|-------------|---------------------------|-------|---------|
| PH949       | Physics Skills            | 5     | 20      |
| PH957       | Topics in Photonics       | 5     | 20      |
| PH963       | Advanced Photonic Devices | 5     | 20      |

#### **Optional Modules**

No fewer than 60 credits chosen from:



| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| PH953       | Introductory Nanoscience          | 5     | 20      |
| PH955       | Advanced Nanoscience 1            | 5     | 20      |
| PH956       | Advanced Nanoscience 2            | 5     | 20      |
| PH958       | Optical Design                    | 5     | 20      |
| PH960       | Advanced Topics in Photonics      | 5     | 20      |
| PH962       | Photonic Materials and Devices    | 5     | 20      |
| PH967       | Computational Physics             | 5     | 20      |
| PH968       | Experimental Laboratories         | 5     | 20      |
| PH562       | Advanced Topics in Quantum Optics | 5     | 20      |
| PH551       | Research Skills                   | 5     | 20      |
| EE473       | Photonic Systems                  | 4     | 20      |
| EE972       | Control Principles                | 5     | 20      |

Such other modules as may be approved by the Adviser of Study to bring the total number of Level 5 modules to at least 150.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| PH952       | Project      | 5     | 60      |

**Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the project.

**Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Photonics, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Photonics, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.

10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Photonics, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### QUANTUM TECHNOLOGIES

**Master of Science in Quantum Technologies**  
**Postgraduate Diploma in Quantum Technologies**  
**Postgraduate Certificate in Quantum Technologies**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.
2. Applicants may be required to attend an interview.

#### **Place of Study**

3. Some individual research projects may require off-campus work.

#### **Mode of Study**

4. The programmes are available by full-time and part-time study.

#### **Curriculum**

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project.

#### **Compulsory Modules**

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| PH949       | Physics Skills                                            | 5     | 20      |
| PH988       | Topics in Quantum Physics                                 | 5     | 20      |
| PH562       | Advanced Topics in Quantum Optics                         | 5     | 20      |
| PH913       | Advanced Topics in Quantum Physics - Quantum Technologies | 5     | 20      |
| PH957       | Topics in Photonics                                       | 5     | 20      |

20 credits chosen from list of option modules:

### **Optional Modules**

| <b>Module Code</b> | <b>Module Title</b>                             | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------|--------------|----------------|
| PH955              | Advanced Nanoscience 1                          | 5            | 20             |
| PH968              | Experimental Laboratories                       | 5            | 20             |
| PH459              | Topics in Atomic, Molecular and Nuclear Physics | 5            | 20             |

### **Students for the degree of MSc only:**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| PH952              | Project             | 5            | 60             |

Such other Level 5 modules as may be approved by the Programme Director to bring the total number of Level 5 modules to at least 150.

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the project.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Quantum Technologies, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Quantum Technologies, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Quantum Technologies, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PURE AND APPLIED CHEMISTRY

### CHEMISTRY WITH ARTIFICIAL INTELLIGENCE

Master of Science in Chemistry with Artificial Intelligence  
Postgraduate Diploma in Chemistry with Artificial Intelligence  
Postgraduate Certificate in Chemistry with Artificial Intelligence

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a first or second class Honours degree) from a United Kingdom university (in Chemistry, Computing Science, Chemical Engineering, Mathematics or Physics or a closely related subject); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of study

3. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of study

4. The programme is available by full-time and part-time study.

#### Place of study

5. In accordance with the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 180 credits including a 60 credit research project,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the Postgraduate Certificate no fewer than 60 credits.

#### Compulsory Modules

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| CHxxx       | Python 101 for Chemists                             | 5     | 20      |
| CHxxx       | Software Engineering and High Performance Computing | 5     | 10      |
| CHxxx       | AI and Machine Learning                             | 5     | 10      |

|       |                                    |   |    |
|-------|------------------------------------|---|----|
| CHxxx | Computational Chemistry            | 5 | 10 |
| CHxxx | Time Series Analysis for Chemistry | 5 | 10 |
| CHxxx | Scientific Research Methods        | 5 | 10 |
| CS801 | Quantitative Methods for AI        | 5 | 10 |
| CS802 | Deep Learning and Neural Nets      | 5 | 20 |
| CS982 | Big Data Technologies              | 5 | 20 |

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| CHxxx       | Project      | 5     | 60      |

**Progress**

- The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
- The final award will be based on the student's performance in their assessments.

**Award**

- Degree of MSc:** In order to qualify for the degree of MSc in Chemistry with Artificial Intelligence, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the research project CHxxx.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Chemistry with Artificial Intelligence, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Chemistry with Artificial Intelligence, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF SCIENCE

## DEPARTMENT OF PURE AND APPLIED CHEMISTRY

### CHEMISTRY WITH DATA SCIENCE

Master of Science in Chemistry with Data Science  
Postgraduate Diploma in Chemistry with Data Science  
Postgraduate Certificate in Chemistry with Data Science

*These regulations are to be read in conjunction with [General Academic Regulations – Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university (in Chemistry, Computing Science, Chemical Engineering, Mathematics or Physics or a closely related subject); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of study

3. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of study

4. The programme is available by full-time and part-time study.

#### Place of study

5. In accordance with the [General Academic Regulations – Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc no fewer than 180 credits including a 60 credit research project,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the Postgraduate Certificate no fewer than 60 credits.

#### Compulsory Modules

| Module Code | Module Title                                        | Level | Credits |
|-------------|-----------------------------------------------------|-------|---------|
| CHxxx       | Python 101 for Chemists                             | 5     | 20      |
| CHxxx       | Software Engineering and High Performance Computing | 5     | 10      |
| CHxxx       | AI and Machine Learning                             | 5     | 10      |

|       |                                                                    |   |    |
|-------|--------------------------------------------------------------------|---|----|
| CHxxx | Computational Chemistry                                            | 5 | 10 |
| CHxxx | Time Series Analysis for Chemistry                                 | 5 | 10 |
| CHxxx | Scientific Research Methods                                        | 5 | 10 |
| CS978 | Legal, Ethical and Professional Issues for the Information Society | 5 | 10 |
| CS982 | Big Data Technologies                                              | 5 | 20 |
| CS985 | Machine Learning for Data Analytics                                | 5 | 20 |

**Students for the degree of MSc only:**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| CHxxx       | Project      | 5     | 60      |

**Progress**

7. The [General Academic Regulations – Postgraduate Taught Degree Programme Level](#) shall apply.
8. The final award will be based on the student's performance in their assessments.

**Award**

9. **Degree of MSc:** In order to qualify for the degree of MSc in Chemistry with Data Science, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the research project CHxxx.
10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Chemistry with Data Science, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Chemistry with Data Science, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.



# FACULTY OF SCIENCE

## DEPARTMENT OF PURE AND APPLIED CHEMISTRY

### FORENSIC SCIENCE

**Masters of Science in Forensic Science**  
**Postgraduate Diploma in Forensic Science**  
**Postgraduate Certificate in Forensic Science**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
  - iii. be deemed, by the Programme Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.
  - iv. In addition, applicants applying in terms of (iii) above should possess appropriate formal education in Chemistry.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of study

3. The programmes are available by full-time study only.

#### Place of Study

4. In accordance with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a dissertation.

#### Compulsory Modules

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| FS986       | Professional and Career Skills            | 5     | 10      |
| FS934       | Essentials of Forensic Science            | 5     | 20      |
| FS905       | Essentials of Forensic Science: Practical | 5     | 20      |

|       |                                          |   |    |
|-------|------------------------------------------|---|----|
| FS906 | Practical Crime Scene and Court Exercise | 5 | 20 |
|-------|------------------------------------------|---|----|

### Optional Modules

No fewer than 50 credits chosen from

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| FS935       | Forensic Biology 1                       | 5     | 10      |
| FS936       | Forensic Biology 2                       | 5     | 20      |
| FS937       | Forensic Chemistry 1                     | 5     | 10      |
| FS938       | Forensic Chemistry 2                     | 5     | 20      |
| FS910       | Practical Examination in Optional Module | 5     | 20      |

Not all optional modules in this list will be available every year.

### Students for the degree of MSc only

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| 99900       | Dissertation | 5     | 60      |

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations and coursework together with the dissertation where undertaken.

### Award

- Degree of MSc:** In order to qualify for the degree of MSc in Forensic Science, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation 99900.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Forensic Science, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Forensic Science, a candidate must have accumulated no fewer than 60 credits from the programme curriculum including at least 30 credits from a theory component.

# FACULTY OF SCIENCE

## DEPARTMENT OF PURE AND APPLIED CHEMISTRY

### FORENSIC SCIENCE

#### Postgraduate Certificate in Fundamentals in Forensic Science

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Mode of Study

3. The programmes are available by part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits

#### Compulsory Modules

| Module Code | Module Title                             | Level | Credits |
|-------------|------------------------------------------|-------|---------|
| FS992       | Essentials of Forensic Science           | 5     | 20      |
| FS994       | Forensic Science Remote Research Project | 5     | 20      |

#### Optional Modules

Students with a biology degree (or similar experience) must select the following options:

| Module Code | Module Title                              | Level | Credits |
|-------------|-------------------------------------------|-------|---------|
| FS991       | DNA Profiling                             | 5     | 5       |
| FS989       | Sexual Offences Investigation             | 5     | 5       |
| FS995       | Remote Practical Work in Forensic Biology | 5     | 10      |

Not all optional modules in this list will be available every academic year.

Students with a chemistry degree (or similar experience) must select the following options:

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
|-------------|--------------|-------|---------|

|       |                                             |   |    |
|-------|---------------------------------------------|---|----|
| FS990 | Toxicology                                  | 5 | 5  |
| FS993 | Fires and Explosives                        | 5 | 5  |
| FS988 | Remote Practical Work in Forensic Chemistry | 5 | 10 |

Not all optional modules in this list will be available every academic year.

### **Examination, Progress and Final Assessment**

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
6. The final award will be based on performance in the examinations, coursework and the project where undertaken.

### **Award**

7. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Fundamentals in Forensic Science, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

# FACULTY OF SCIENCE

## DEPARTMENT OF PURE AND APPLIED CHEMISTRY

### OPTICAL MEDICAL IMAGING ENTREPRENEURSHIP

#### Master of Science in Optical Medical Imaging Entrepreneurship

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall only be admitted to this degree under the following conditions:
  - i. they were originally enrolled in the OPTIMA CDT for a PhD with Integrated Study in Optical Medical Imaging with Healthcare Innovation and Entrepreneurship,
  - ii. they have failed to meet the requirements for the PhD component for a PhD with Integrated Study in Optical Medical Imaging but have completed the necessary taught credits.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of study

3. The programmes are available by full-time study only.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits,
  - ii. for the Postgraduate Diploma no fewer than 120 credits,
  - iii. for the degree of MSc no fewer than 180 credits including a placement.
5. All students shall undertake an approved curriculum of no fewer than 180 credits of taught programme.

#### Compulsory Modules

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| EX949       | Optical Medical Imaging Grand Challenge                          | 5     | 20      |
| EX952       | Innovation Driven Entrepreneurship                               | 5     | 20      |
| EX951       | Translational Study- Innovation and Entrepreneurship Masterclass | 5     | 20      |
| EX948       | Ethics and Regulatory Processes                                  | 5     | 15      |
| CH914       | Build your own microscope                                        | 5     | 10      |
| EX953       | CDT 3-month Placement                                            | 5     | 60      |

|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| Z1931 | Technology Commercialisation Workshop | 5 | 10 |
|-------|---------------------------------------|---|----|

### Optional Modules

Students select 30 credits from the following modules:

| Module Code | Module Title                                                   | Level | Credits |
|-------------|----------------------------------------------------------------|-------|---------|
| EX918       | Entrepreneurial Challenge: Creating a New Adventure            | 5     | 15      |
| EX947       | Entrepreneurial Management and Leadership                      | 5     | 15      |
| EX919       | Entrepreneurial Finance                                        | 5     | 15      |
| EX950       | Technology Commercialisation and the Entrepreneurial Ecosystem | 5     | 15      |

or other modules as approved by the Programme Director.

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level.](#)
- The final award will be based on performance in the examinations and coursework together with the placement where undertaken.

### Award

- Degree of MSc:** In order to qualify for the degree of MSc in Optical Medical Imaging Entrepreneurship, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the programme curriculum.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Optical Medical Imaging Entrepreneurship, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Optical Medical Imaging Entrepreneurship, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

## FACULTY OF SCIENCE

### STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

#### ADVANCED CLINICAL PHARMACY PRACTICE

**Master of Science in Advanced Clinical Pharmacy Practice**

**Master of Science in Advanced Clinical Pharmacy Practice with Practice Certificate in Independent Prescribing**

**Postgraduate Diploma in Advanced Clinical Pharmacy Practice**

**Postgraduate Certificate in Advanced Clinical Pharmacy Practice**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:

- i. a degree in pharmacy from a United Kingdom university or;
- ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.

1. All applicants must be registered with the General Pharmaceutical Council (GPhC).

#### **Duration of Study**

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### **Mode of Study**

3. The programmes are available by full-time and part-time study.

#### **Curriculum**

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a Research Project.

| Module Code | Module Title                                            | Level | Credits |
|-------------|---------------------------------------------------------|-------|---------|
| MP837       | Clinical Decision Making                                | 5     | 20      |
| MP802       | Quality Improvement Methodology                         | 5     | 20      |
| MP838       | Research Fundamentals I: Critical Appraisal             | 5     | 20      |
| MP839       | Research Fundamentals II: Research Protocol Development | 5     | 20      |
| MP801       | Clinical Service Development                            | 5     | 10      |
| MP806       | Clinical Practice Attachment                            | 5     | 20      |

|       |                                     |   |    |
|-------|-------------------------------------|---|----|
| MP808 | Pharmacist Independent Prescribing* | 5 | 30 |
| BM954 | SIPBS MSc Research Project**        | 5 | 60 |

\*Students on the MSc in Advanced Clinical Pharmacy Practice with Practice Certificate in Independent Prescribing must take MP808 Pharmacist Independent Prescribing

\*\*For the degree of MSc only

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the examinations, coursework and the Project.

### Award

- Degree of MSc in Advanced Clinical Pharmacy Practice:** In order to qualify for the award of the degree of MSc in Advanced Clinical Pharmacy Practice, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of BM954 Research Project.
- Degree of MSc in Advanced Clinical Pharmacy Practice with Practice Certificate in Independent Prescribing:** In order to qualify for the award of the degree of MSc in Advanced Clinical Pharmacy Practice with Practice Certificate in Independent Prescribing, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of BM954 Research Project and 30 must have been awarded in respect of MP808 Pharmacist Independent Prescribing.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Clinical Pharmacy Practice, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Clinical Pharmacy Practice, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.



## FACULTY OF SCIENCE

### STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

#### ADVANCED DRUG DELIVERY

Master of Science in Advanced Drug Delivery  
Postgraduate Diploma in Advanced Drug Delivery  
Postgraduate Certificate in Advanced Drug Delivery

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a research project.

#### Compulsory Modules

| Module Code | Module Title                                           | Level | Credits |
|-------------|--------------------------------------------------------|-------|---------|
| BM952       | Essential Skills & Employability for Masters Students  | 5     | 20      |
| MP811       | Pharmaceutical Formulation and Clinical Pharmaceutics  | 5     | 20      |
| MP812       | Chemical Analysis: Principals, Application and Methods | 5     | 20      |
| BM947       | Advanced Topics in Drug Delivery 2                     | 5     | 20      |
| MP810       | Novel Therapeutics and Biopharmaceuticals              | 5     | 20      |
| MP817       | Pharmaceutical Project Management and Digital Design   | 5     | 20      |
| BM954       | SIPBS MSc Research Project*                            | 5     | 60      |

\*For the degree of MSc only

#### Examination, Progress and Final Assessment

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

6. The final award will be based on performance in the written examinations and the coursework.

#### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Drug Delivery, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project BM954..
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Drug Delivery, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Drug Delivery, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### ADVANCED PHARMACEUTICAL MANUFACTURING

Master of Science in Advanced Pharmaceutical Manufacturing  
Postgraduate Diploma in Advanced Pharmaceutical Manufacturing  
Postgraduate Certificate in Advanced Pharmaceutical Manufacturing

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a research project.

#### Compulsory Modules

| Module Code | Module Title                                                                                         | Level | Credits |
|-------------|------------------------------------------------------------------------------------------------------|-------|---------|
| BM952       | Essential Skills & Employability for Masters Students                                                | 5     | 20      |
| MP816       | Drug Substance Manufacture: Industrial Crystallisation                                               | 5     | 20      |
| MP815       | Drug Product Manufacture                                                                             | 5     | 20      |
| CH913       | Process Analytical Technology (PAT) and Quality by Design in Continuous Pharmaceutical Manufacturing | 5     | 20      |
| MP813       | Principals of Pharmaceutics                                                                          | 5     | 20      |
| MP817       | Pharmaceutical Project Management and Digital Design                                                 | 5     | 20      |
| BM954       | SIPBS MSc Research Project*                                                                          | 5     | 60      |

\*For the degree of MSc only

#### Examination, Progress and Final Assessment

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

6. The final award will be based on performance in the written examinations and the coursework.

#### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Pharmaceutical Manufacturing, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project BM954.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Pharmaceutical Manufacturing, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Pharmaceutical Manufacturing, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### BIOMEDICAL SCIENCES

Master of Science in Biomedical Sciences  
Master of Science in Advanced Immunology  
Master of Science in Advanced Pharmacology  
Master of Science in Advanced Biochemistry  
Master of Science in Molecular Microbiology  
Master of Science in Neuroscience and Mental Health  
Postgraduate Diploma in Biomedical Sciences  
Postgraduate Certificate in Biomedical Sciences  
Postgraduate Diploma in Advanced Immunology  
Postgraduate Certificate in Advanced Immunology  
Postgraduate Diploma in Advanced Pharmacology  
Postgraduate Certificate in Advanced Pharmacology  
Postgraduate Diploma in Advanced Biochemistry  
Postgraduate Certificate in Advanced Biochemistry  
Postgraduate Diploma in Molecular Microbiology  
Postgraduate Certificate in Molecular Microbiology  
Postgraduate Diploma in Neuroscience and Mental Health  
Postgraduate Certificate in Neuroscience and Mental Health

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall complete an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits gained
  - ii. for the Postgraduate Diploma no fewer than 120 credits gained
  - iii. for the degree of MSc no fewer than 180 credits gained including a project.

#### Compulsory Modules

| Module Code | Module Title                                          | Level | Credits |
|-------------|-------------------------------------------------------|-------|---------|
| BM952       | Essential Skills & Employability for Masters Students | 5     | 20      |
| Z1931       | Entrepreneurship                                      | 5     | 10      |
| MP942       | Advanced Techniques in Biomedical Research 1*         | 5     | 10      |
| MP959       | Advanced Techniques in Biomedical Research 2          | 5     | 10      |

|       |                                        |   |    |
|-------|----------------------------------------|---|----|
| BM937 | Advanced Topics in Biomedical Research | 5 | 20 |
| BM954 | SIPBS MSc Research Project**           | 5 | 60 |

\*MP942 is not taken by students on the Neuroscience and Mental Health programmes

\*\*For the degree of MSc only

Together with optional modules appropriate to the chosen programme.

### **Optional Modules**

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

For the degree of **MSc in Biomedical Sciences**, 10 credits from List A and 40 credits from List B

### **List A**

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| MP968       | In Vivo Biology                    | 5     | 10      |
| MP979       | Drug Discovery                     | 5     | 10      |
| BM951       | Postgraduate Topics in Haematology | 5     | 10      |

### **List B**

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| BM934       | Postgraduate Studies in Clinical Biochemistry | 5     | 20      |
| BM935       | Postgraduate Studies in Pathology             | 5     | 20      |
| BM945       | Postgraduate Studies in Clinical Immunology   | 5     | 20      |
| BM940       | Postgraduate Studies in Clinical Microbiology | 5     | 20      |

For the degree of **MSc Advanced Immunology**, 10 credits from List A and 40 credits from List B.

### **List A**

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| MP968       | In Vivo Biology                    | 5     | 10      |
| MP979       | Drug Discovery                     | 5     | 10      |
| BM951       | Postgraduate Topics in Haematology | 5     | 10      |

### **List B**

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| BM939       | Postgraduate Studies in Immunology          | 5     | 20      |
| BM945       | Postgraduate Studies in Clinical Immunology | 5     | 20      |

For the degree of **MSc Advanced Pharmacology**, 10 credits from List A and 40 credits from List B.

#### **List A**

| Module Code | Module Title    | Level | Credits |
|-------------|-----------------|-------|---------|
| MP968       | In Vivo Biology | 5     | 10      |
| MP979       | Drug Discovery  | 5     | 10      |

#### **List B**

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| BM938       | Postgraduate Studies in Pharmacology          | 5     | 20      |
| BM941       | Postgraduate Studies in Clinical Pharmacology | 5     | 20      |

For the degree of **MSc Advanced Biochemistry**, 10 credits from List A and 40 credits from List B.

#### **List A**

| Module Code | Module Title                       | Level | Credits |
|-------------|------------------------------------|-------|---------|
| MP968       | In Vivo Biology                    | 5     | 10      |
| MP979       | Drug Discovery                     | 5     | 10      |
| BM951       | Postgraduate Topics in Haematology | 5     | 10      |

#### **List B**

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| BM934       | Postgraduate Studies in Clinical Biochemistry | 5     | 20      |
| BM936       | Postgraduate Studies in Biochemistry          | 5     | 20      |

For the degree of **MSc Molecular Microbiology**, 10 credits from List A and 40 credits from List B.

#### **List A**

| Module Code | Module Title    | Level | Credits |
|-------------|-----------------|-------|---------|
| MP968       | In Vivo Biology | 5     | 10      |
| MP979       | Drug Discovery  | 5     | 10      |

### **List B**

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| BM932       | Postgraduate Studies in Microbiology          | 5     | 20      |
| BM940       | Postgraduate Studies in Clinical Microbiology | 5     | 20      |

For the degree of **MSc Neuroscience and Mental Health** the following additional compulsory modules.

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| BM950       | Core Neuroscience               | 5     | 10      |
| BM948       | Functions of the Nervous System | 5     | 20      |
| BM949       | Disorders of the Nervous System | 5     | 20      |
| MP968       | In Vivo Biology                 | 5     | 10      |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the written examinations and the coursework.

### **Award**

- Degree of MSc:** In order to qualify for the award of the degree of MSc a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project BM954.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.



## FACULTY OF SCIENCE

### STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

#### CANCER THERAPIES

Master of Science in Cancer Therapies  
Postgraduate Diploma in Cancer Therapies  
Postgraduate Certificate in Cancer Therapies

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the degree of MSc – no fewer than 180 credits including a project
  - ii. for the Postgraduate Diploma – no fewer than 120 credits
  - iii. for the Postgraduate Certificate – no fewer than 60 credits

#### Compulsory Modules

| Module Code | Module Title                                              | Level | Credits |
|-------------|-----------------------------------------------------------|-------|---------|
| BM952       | Essential Skills & Employability for Masters Students     | 5     | 20      |
| MP942       | Advanced Techniques in Biomedical Research 1              | 5     | 10      |
| MP959       | Advanced Techniques in Biomedical Research 2              | 5     | 10      |
| Z1931       | Entrepreneurship, Innovation and Commercialisation        | 5     | 10      |
| MP960       | Design and Development of Anti-Cancer Drugs               | 5     | 10      |
| MP981       | Targeted Cancer Therapies for Personalised Medicine       | 5     | 20      |
| MP989       | Radiobiology and Radiation Oncology: From Beam to Bedside | 5     | 10      |
| MP809       | Scientific Writing                                        | 5     | 10      |
| MP988       | Drug Discovery and Development in Cancer                  | 5     | 20      |
| BM954       | SIPBS MSc Research Project*                               | 5     | 60      |

\*For the degree of MSc only

### **Examination, Progress and Final Assessment**

5. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), shall apply.
6. The final award will be based on performance in the written examinations and the coursework.

### **Award**

7. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Cancer Therapies, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project BM954.
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Cancer Therapies, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Cancer Therapies, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### CLINICAL PHARMACY

**Master of Science in Clinical Pharmacy**  
**Postgraduate Diploma in Clinical Pharmacy**  
**Postgraduate Certificate in Clinical Pharmacy**

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply, subject to the following requirements. Applicants shall possess:
  - i. a degree in pharmacy from a United Kingdom university; or
  - ii. a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a Research Project

| Module Code | Module Title                                      | Level | Credits |
|-------------|---------------------------------------------------|-------|---------|
| MP836       | Clinical Pharmacy & Pharmaceutical Care           | 5     | 20      |
| MP835       | Pharmaceutical Care & Therapeutic Drug Monitoring | 5     | 20      |
| MP925       | Health Service Skills                             | 5     | 20      |
| MP833       | Leadership & Quality Improvement                  | 5     | 20      |
| MP834       | Clinical Pharmacy Specialities & Practice         | 5     | 20      |
| MP832       | Long Term Conditions & Multimorbidities           | 5     | 20      |
| BM954       | SIPBS MSc Research Project*                       | 5     | 60      |

\*For the degree of MSc only

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Clinical Pharmacy, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of BM954 Research Project.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Clinical Pharmacy, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Clinical Pharmacy, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### INDEPENDENT PRESCRIBING

#### Practice Certificate in Independent Prescribing

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following. Applicants shall have appropriate qualifications and current registration with GPhC &/or PSNI as a practising pharmacist.

#### Credit Transfer and Recognition of Prior Learning

2. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

#### Duration of Study

3. The minimum duration of study is normally 12 months, and the maximum duration of study shall normally be 24 months.

#### Mode of study

4. The programme is only available by part-time study

#### Curriculum

5. Students shall undertake an approved curriculum as follows:

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| MP904       | Therapeutics                               | 5     | 5       |
| MP905       | Prescribing and public health              | 5     | 5       |
| MP906       | Care planning                              | 5     | 5       |
| MP907       | Period of learning in practice             | 5     | 10      |
| MP908       | Communicating with patients and colleagues | 5     | 5       |

#### Examination, Progress and Final Assessment

6. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply
7. The final award will be based on performance in the Objective Structured Clinical Examination, the coursework and submission of a satisfactory portfolio of evidence from the Period of Learning in Practice.

#### Award

8. In order to qualify for the award of Practice Certificate in Independent Prescribing, a student must have accumulated 30 credits.

## FACULTY OF SCIENCE

### STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

#### INDUSTRIAL BIOTECHNOLOGY

Master of Science in Industrial Biotechnology  
Postgraduate Diploma in Industrial Biotechnology  
Postgraduate Certificate in Industrial Biotechnology

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the project.

#### Compulsory Modules

| Module Code | Module Title                   | Level | Credits |
|-------------|--------------------------------|-------|---------|
| BM923       | Bioprocessing                  | 5     | 20      |
| BM924       | Applied Biocatalysis           | 5     | 20      |
| EX933       | Synthetic Biology              | 5     | 20      |
| CS989       | Big Data Fundamentals          | 5     | 10      |
| CSXXX       | Introduction to Bioinformatics | 5     | 10      |
| EX956       | Downstream Processing          | 5     | 10      |
| BM954       | SIPBS MSc Research Project*    | 5     | 60      |

\*For the degree of MSc only

#### Optional Modules

At least 30 credits to be chosen from the below list. Not all optional modules on this list will be available in each academic year.

| Module Code                                 | Module Title                                                         | Level | Credits |
|---------------------------------------------|----------------------------------------------------------------------|-------|---------|
| EX963                                       | Delivering the Circular Economy and the Bioeconomy                   | 5     | 20      |
| EX929                                       | Blue Biotechnology                                                   | 5     | 20      |
| EX940                                       | Renewable Energy Technologies                                        | 5     | 20      |
| EF931                                       | Project Management                                                   | 5     | 10      |
| CL994                                       | Circular Economy and Transformations Towards Sustainability          | 5     | 10      |
| EX957                                       | Understanding the Regulatory Environment of Bioprocessing Industries | 5     | 10      |
| EX958                                       | Food Commodities and Sustainability                                  | 5     | 10      |
| EX959                                       | Food Microbiology and Biotechnology                                  | 5     | 10      |
| Or any other module from IBiolC HEI partner |                                                                      |       |         |

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the written examinations and the coursework.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Industrial Biotechnology, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project BM954.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Industrial Biotechnology, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Industrial Biotechnology, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### PHARMACEUTICAL ANALYSIS

Master of Science in Pharmaceutical Analysis  
Postgraduate Diploma in Pharmaceutical Analysis  
Postgraduate Certificate in Pharmaceutical Analysis

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply subject to the following requirement. Applicants shall possess:
  - i. a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate Science); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
  - iii. be deemed, by the Programme Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

4. The programmes are available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| MP803       | Principles, Application and Method Development in Chromatography | 5     | 20      |
| MP919       | Bioanalysis, Biotechnology and Quality Management                | 5     | 20      |
| MP831       | Bioanalytical and Chromatographic Methods                        | 5     | 20      |
| BM952       | Essential Skills and Employability for Masters Students          | 5     | 20      |
| MP814       | Spectroscopy: Principles, Application and Methods                | 5     | 20      |
| MP812       | Chemical Analysis: Principles, Application and Methods           | 5     | 20      |



|       |                             |   |    |
|-------|-----------------------------|---|----|
| BM954 | SIPBS MSc Research Project* | 5 | 60 |
|-------|-----------------------------|---|----|

\*For the degree of MSc only

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and dissertation.

### Award

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Pharmaceutical Analysis, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the BM954 project.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Pharmaceutical Analysis, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Pharmaceutical Analysis, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### PHARMACEUTICAL QUALITY AND GOOD MANUFACTURING PRACTICE

Master of Science in Pharmaceutical Quality and Good Manufacturing Practice  
Postgraduate Diploma in Pharmaceutical Quality and Good Manufacturing Practice  
Postgraduate Certificate in Pharmaceutical Quality and Good Manufacturing Practice

*These regulations are to be read in conjunction with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply. In addition relevant industrial experience will be taken into account.
2. Exemption by Recognised Prior Learning (RPL) from up to a maximum of two taught modules from the curriculum is permitted for those students who have relevant industrial experience.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
4. The minimum duration of study for those students admitted with Recognised Prior Learning (RPL) will be reduced accordingly by agreement of the Board of Study.

#### Place of Study

5. In accordance with the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), some off-campus work may be required.

#### Mode of Study

6. The programmes are available by part-time study only.

#### Curriculum

7. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including a project

#### Compulsory Modules

| Module Code | Module Title                           | Level | Credits |
|-------------|----------------------------------------|-------|---------|
| MP9AA       | Pharmaceutical Law and Administration  | 5     | 10      |
| MP9BB       | Pharmaceutical Quality Systems         | 5     | 10      |
| MP9CC       | Role and Professional Duties of the QP | 5     | 10      |

### **Optional Modules**

| <b>Module Code</b> | <b>Module Title</b>                  | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------|--------------|----------------|
| MP9DD              | Medicinal Chemistry and Therapeutics | 5            | 10             |
| MP9EE              | Formulation and Processing           | 5            | 10             |
| MP9FF              | Pharmaceutical Microbiology          | 5            | 10             |
| MP9GG              | Active Pharmaceutical Ingredients    | 5            | 10             |
| MP9HH              | Mathematics and Statistics           | 5            | 10             |
| MP9II              | Analysis and Testing                 | 5            | 10             |
| MP9JJ              | Pharmaceutical Packaging             | 5            | 10             |
| MP9KK              | Practical Skills for PQGMP           | 5            | 10             |
| MP9LL              | Investigational Medicinal Products   | 5            | 10             |

### **Students for the degree of MSc only**

| <b>Module Code</b> | <b>Module Title</b>                                              | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------------------------|--------------|----------------|
| MP975              | Pharmaceutical Quality and Good Manufacturing Practice (Project) | 5            | 60             |

### **Examination, Progress and Final Assessment**

8. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
9. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), a candidate who fails to satisfy the Board of Examiners in respect of any aspect of assessment of a module at the first diet of examinations may, at the discretion of the Board of Examiners, normally be permitted one further attempt to pass the relevant aspect of assessment of the module.
10. The final award will be based on performance in the examinations, coursework and the project where undertaken.

### **Award**

11. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Pharmaceutical Quality and Good Manufacturing Practice, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project MP975.
12. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Pharmaceutical Quality and Good Manufacturing Practice, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
13. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Pharmaceutical Quality and Good Manufacturing Practice, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.



University of  
**Strathclyde**  
Glasgow

## General Academic Regulations

(Regulations Specific to a Particular Level of Study)

### *Postgraduate Research Degree Regulations*

| Version No. | Description                                                                                                                                                                                                     | Author                               | Approval            | Effective Date  |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------|-----------------|
| 1           | Regulations for Postgraduate Research Students                                                                                                                                                                  | Quality Enhancement & Assurance Team | Senate              | Not implemented |
| 2           | Regulations for Postgraduate Research Students                                                                                                                                                                  | Quality Enhancement & Assurance Team | Senate              | 27 Jan 2021     |
| 3           | Students who successfully complete the professional development element of their studies will be eligible to receive the associated award.<br>To note the inclusion of the new award of Professional Doctorate. | Quality Enhancement & Assurance Team | Senate              | 2023/24         |
| 4           | Para 91 – remove reference to a hard copy of thesis being submitted to library.                                                                                                                                 | Quality Enhancement & Assurance Team | Senate              | Nov 2023        |
| 5           | Para 23 – addition relating to external funding requirements                                                                                                                                                    | Quality Enhancement & Assurance Team | Senate<br>Sept 2024 | Sept 2024       |
| 6           | Para 80 changes for clarity relating to Viva Outcome points a-f replaced with new a-d                                                                                                                           | Quality Enhancement & Assurance Team | Senate<br>May 2025  | May 2025        |

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## Glossary of Terms

|                                               |                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Academic Suspension</i>                    | An interruption of studies for an individual, on academic grounds.                                                                                                                                                                                                                                                                 |
| <i>Compensation</i>                           | Where a student has failed to attain the pass mark in a module, they may, in specific circumstances, be granted a pass by compensation.                                                                                                                                                                                            |
| <i>Compulsory module</i>                      | A module which <i>must</i> be taken as part of the programme curriculum.                                                                                                                                                                                                                                                           |
| <i>Department/School</i>                      | Academic Departments or Schools within each Faculty.                                                                                                                                                                                                                                                                               |
| <i>Faculty</i>                                | <p>The University of Strathclyde has four faculties:</p> <ul style="list-style-type: none"> <li>• Engineering</li> <li>• Humanities and Social Sciences</li> <li>• Science</li> <li>• Strathclyde Business School</li> </ul>                                                                                                       |
| <a href="#"><u>PEGASUS</u></a>                | An online portal which provides a number of services for students and staff members.                                                                                                                                                                                                                                               |
| <i>Programme Handbook</i>                     | Guide detailing specific programme-related Information.                                                                                                                                                                                                                                                                            |
| <i>Programme Regulation</i>                   | Specific requirements for individual programmes of study.                                                                                                                                                                                                                                                                          |
| <i>Senate</i>                                 | The academic governing body within the University, responsible for all academic matters including academic standards and quality.                                                                                                                                                                                                  |
| <a href="#"><u>University Regulations</u></a> | <p>The Regulations describe the remit and composition of various University committees; regulate the academic work of the University, the education and discipline of its students, and such other matters as lie within the functions of Senate.</p> <p>These Regulations stand separate to the General Academic Regulations.</p> |
| <a href="#"><u>University Ordinances</u></a>  | Regulatory document providing details on the way in which the University is governed.                                                                                                                                                                                                                                              |
| <a href="#"><u>Voluntary Suspension</u></a>   | A voluntary interruption of studies for an individual who is otherwise qualified for continued study.                                                                                                                                                                                                                              |

## **Context**

1. These regulations apply to programmes of supervised research leading to one or more academic distinctions of the University of Strathclyde. The following awards are conferred by the University by the authority of the Senate under [Ordinance 3](#):

### Masters awards

- a. The degree of Master of Philosophy (MPhil)
- b. The degree of Master of Research (MRes)

### Doctoral awards

- c. The degree of Doctor of Business Administration (DBA)
- d. The degree of Doctor of Education (EdD)
- e. The degree of Doctor of Educational Psychology (DEdPsy)
- f. The degree of Doctor of Engineering (EngD)
- g. The degree of Doctor of Information Science (DInfSci)
- h. The degree of Doctor of Pharmacy (DPharm)
- i. The degree of Doctor of Philosophy (PhD)
- j. The degree of Doctor of Philosophy with Integrated Studies (PhDIntStj).
- k. The degree of Professional Doctorate (DProf)

### Higher Research awards

- k. The degree of Doctor of Science
  - l. The degree of Doctor of Letters
2. These regulations should be read in conjunction with the University's [Code of Practice for Postgraduate Research Students](#), which expands on the processes mentioned within these Regulations.
  3. Award of a Doctoral degree recognises a student's knowledge and understanding of their field of study and the ability to conduct future research without supervision, as assessed by the appointed examiners and evidenced by the work submitted for assessment, and which is the result of a supervised programme of research, and which contributes significant original knowledge or the application of existing knowledge to new situations.
  4. Award of the degrees of Doctor of Business Administration, Doctor of Education, Doctor of Engineering, Doctor of Information Science, Doctor of Pharmacy, Doctor of Philosophy with Integrated Studies and Professional Doctorate recognises the completion of a structured programme of learning and/or skills development related to the subject, in addition to a supervised programme of research.
  5. Award of the degree of Master of Philosophy recognises a student's significant contribution to knowledge, or the application of existing knowledge to new situations, in their subject, as assessed by the appointed examiners and evidenced by the work submitted for assessment, and which is the result of a supervised programme of research.
  6. Award of the degree of Master of Research recognises a student's ability to conduct research in their subject, as assessed by the appointed examiners and evidenced by the work submitted for assessment, and which is the result of a structured programme of research methods, and/or a research project.
  7. Award of the degree Doctor of Science or Doctor of Letters recognises a substantial contribution to a major field of study over a significant period of time as assessed by the appointed examiners and evidenced by the submission of a significant body of published works accompanied by a summary outlining the publications submitted and the contribution the publications have made to the field of research.

8. Joint or dual research degrees established by University Departments or Schools with external partners should comply with the [Policy & Code of Practice on Collaborative Provision](#) when establishing these arrangements to ensure due process is followed.

### **Admissions**

9. The standard admissions criteria for research degree programmes are set out in the University's [Admissions Policy](#). Any additional criteria to the standard admissions policy are set out in annually published Individual Research Degree Regulations.
10. Applicants for Higher Research degrees should follow the guidelines and procedures in the University's [Policy on Higher Doctorates](#).
11. Members of staff of the University of Strathclyde may apply for research degree programmes as described in the University's policy on postgraduate research study for staff. Staff applicants must be members of University of Strathclyde staff and remain members of staff for the duration of the research programme. The admissions criteria listed in the University's Admissions Policy will apply to University staff applicants.

### **Registration**

12. An applicant accepting an offer to study for a postgraduate research programme is required to register at the start of the programme and pay fees as applicable. Students are also required to re-register at the start of each new academic year.
13. A student can register at the start of any calendar month.
14. A student awarded funding must follow the terms and conditions set out by the funder and meet any reporting requirements.
15. Students will be registered within a single department/school, and the registering department/school is responsible for the management and oversight of the programme of supervised research. Students involved in multi-disciplinary research, or who have supervisors based in two or more departments/schools, will normally be registered within the first supervisor's department/school. Management and oversight of the programme of supervised research will be the responsibility of the registering department/school, but this will be executed in consultation with the other department(s)/school(s) concerned.
16. Students on the DProf are registered at Faculty level and the faculty are responsible for management and oversight of the programme overall. At the thesis stage, students will be supervised at School level.

### **Mode of Study**

17. Some research degree programmes are available to students on a full-time or part-time basis. Individual Research Degree Regulations specify the available modes of study for a programme, and whether changes to mode of study are allowed.
18. Students undertaking a full-time research degree programme are expected to dedicate the working week to their research and studies. The [Code of Practice for Postgraduate Research Students](#) provides more information on working hours, annual leave, public holidays and University closures.
19. Part-time students will follow a pattern of working in line with that of full-time students, on a pro-rata basis.
20. Students may request a transfer from full-time to part-time study, or vice versa, by submitting an application to their Supervisor, for approval by the appropriate Vice-Dean (or nominee). Transfers to a different mode of study will only be permitted in instances where the transfer



does not impact on the research project adversely. The [Code of Practice for Postgraduate Research Students](#) provides information about the process and criteria for changes to mode of study.

21. Students cannot change their mode of study when they have transferred to *completing* status.
22. Students can enter voluntary suspension once they have transferred to *completing* status, as stated in the [Voluntary Suspension Guidelines](#).

### **Period of Study**

23. Standard minimum and maximum periods of study are set out in Table A below. The minimum period of study will be used to calculate the expected submission date, and the maximum period of study will be used to calculate the final submission date. Individual Research Degree Regulations will establish if part-time study is available, and additional admissions requirements that might affect the minimum duration. Each registering student will receive confirmation of the minimum and maximum duration of their study. Where an external funder requests a different duration of study, applications will be considered on a case-by-case basis. Such requests, if approved, will be confirmed in writing taking into consideration any funding conditions in accordance with and alongside the institutional requirements and standards conditions.
24. Any periods of voluntary suspension during the minimum period of study will be added to the minimum period of study and the expected submission date and final submission date adjusted accordingly.

**Table A**

| Award    | Full Time (months)      |                         | Part Time (months)      |                         |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|
|          | Minimum period of study | Maximum period of study | Minimum period of study | Maximum period of study |
| DBA      | N/A                     | N/A                     | 48                      | 60                      |
| EdD      | 36                      | 48                      | 60                      | 96                      |
| DEdPsy   | 24                      | 36                      | N/A                     | N/A                     |
| EngD     | 48                      | 60                      | 96                      | 108                     |
| DInfSci  | 36                      | 48                      | 60                      | 72                      |
| DPharm   | 36                      | 48                      | 48                      | 60                      |
| PhD      | 36                      | 48                      | 72                      | 84                      |
| MPhil    | 12                      | 24                      | 24                      | 36                      |
| MRes     | 12                      | 24                      | 24                      | 36                      |
| PhDIntSt | 48                      | 60                      | 96                      | 108                     |
| DProf    | N/A                     | N/A                     | 60                      | 96                      |

25. A student is required to submit their thesis within the maximum period of study. Students who receive funding that covers part or all of the completing period between the minimum and maximum period of study are still required to complete within the maximum period of study.
26. In exceptional circumstances, students can seek a regulation waiver to reduce the minimum period of study.
27. In exceptional circumstances, Vice-Deans may approve an extension to the maximum period of study.

### **Changes to Registration Status**

28. Students will have one of four registration statuses:

- a. Valid to register;
  - b. Registered;
  - c. Completed;
  - d. Terminated.
29. Once students have registered at the University for a research degree under these regulations, one of the following classifications will apply:
- a. Registered - Voluntary Suspension;
  - b. Registered - Academic Suspension;
  - c. Registered - Completing.
30. Students transfer to *completing* classification following the successful completion of a final annual review. The final annual review must happen before the final submission date, allowing sufficient time for the student to prepare the thesis for submission by the final submission date. The [Code of Practice for Postgraduate Research Students](#) provides information on the review process and criteria for transferring to *completing* classification.
31. A final annual review will only be considered final if the student has completed all relevant research and training requirements as detailed in regulations 55 to 63 and has demonstrated that they will be able to submit the thesis by a planned submission date that falls before the final submission date.
32. A registration review should be held if the outcome of the final annual review is that the student is not ready to transfer to *completing* classification. Outcomes of the registration review are detailed in the [Code of Practice for Postgraduate Research Students](#).
33. Full-time and part-time students must submit before the final submission date regardless of when the transfer to *completing* occurs.
34. Submission reviews should be carried out during the completing period, following the guidelines in the [Code of Practice for Postgraduate Research Students](#).
35. Students who fail to submit before the final submission date without an approved extension following a submission review will be withdrawn from their programme of study, according to the guidelines in the [Code of Practice for Postgraduate Research Students](#).

### **Supervision**

36. A student will be allocated a supervisory team with a minimum of two supervisors, with one supervisor designated as the first supervisor. The supervisory team should always consist of two University staff but can also include qualified individuals from outside the University. Details of the process for joint supervision with other institutions can be found in the [Code of Practice for Postgraduate Research Students](#).
37. A supervisory team must include a member of staff at Grade 8 (or above), with previous experience as a first supervisor. The first supervisor must have relevant research expertise. All University supervisors must have undertaken appropriate training, as described in the [Code of Practice for Postgraduate Research Students](#), to be recognised by the University as eligible supervisors.
38. The Head of School/Department, or nominee, will appoint the supervisory team, which will be responsible for supporting the student through the research programme, and monitoring the student's progress. Full details of the supervisory team's responsibilities can be read in the [Code of Practice for Postgraduate Research Students](#). Supervisors will be familiar with

the policies, processes and responsibilities described in the more detail in the Code of Practice.

39. Changes to the supervisor team may be necessary at some point during the research programme. The Head of School/Department, or nominee, is responsible for initiating any changes to the supervisory team. The circumstances and criteria for changes to the supervisory team are listed in the [Code of Practice for Postgraduate Research Students](#).

### **Engagement**

40. The University expects research degree students to demonstrate the level of engagement with their studies. This includes regular communication with the supervisory team, engagement with formal progression monitoring processes and active participation in any of the taught elements of the programme of study.
41. Within each 12-month period of study, students are expected to satisfy the engagement criteria defined in the [Code of Practice for Postgraduate Research Students](#) and successfully complete a formal review. The formal review requirements for each year are also detailed in the Code of Practice.
42. In addition to regulations 40 and 41 above, students with visa requirements should also comply with the engagement and attendance requirements of their visa.
43. A recommendation that the student transfer to an exit award, if available under Individual Research Degree Regulations and regulations 88-90, may be made under the following circumstances:
- a. academic withdrawal, based on one of the following reasons:
    - i. an unsatisfactory outcome from an annual review, or;
    - ii. insufficient progress following the remedial period established by an interim or annual review, or;
    - iii. sustained lack of engagement under the terms of regulations 40 and 41 between reviews, or;
  - b. recommendation of examining committee, or;
  - c. the student elects to voluntarily withdraw.
44. In all cases, an exit award must be available as detailed in the Individual Research Degree Regulations and the student must have completed or be able to complete the requirements of the exit award within a timeframe set by the registering school/department, and no longer than the minimum duration of the exit award. In cases where a student is compulsorily withdrawn due to misconduct, the misconduct process should consider if the student is eligible to submit for an exit award and justify why regulation 89 should be waived.

### **Collaborative Provision**

45. For students engaged in collaborative provision arrangements, usually off-campus, an agreement must be in place that establishes the format and frequency of engagement and supervision, as well as research and training activities. Agreements must comply with the requirements and have the approval of the Collaborative Provision Agreement subgroup and Senate. Agreements should be compatible with the overall Postgraduate Research Degree Programme regulations, specifically regulations 40 and 41. Details of the process for setting up an agreement for Off campus students can be found in the [Code of Practice for Postgraduate Research Students](#).
46. Jointly supervised students and students on a joint PhD programme with another institution must have an agreement in place that establishes the amount of time spent at each institution, and the format and frequency of communication and supervision, as well as

research and training activities while at each institution. Agreements must comply with the requirements and have approval of the Collaborative Provision Agreement subgroup and Senate. Agreements should be compatible with the Postgraduate Research Degree Programme regulations, specifically 40 and 41. Details of the process for setting up an agreement for Joint PhD Awards can be found in the Framework for Joint PhD Awards.

### **Paid employment**

47. A full-time student may undertake work not directly related to their research programme, which is undertaken in their own time outside of their degree and does not exceed the limits specified in the [Code of Practice for Postgraduate Research Students](#).
48. The supervisory team may request that the student change their mode of study from full-time to part-time if the student's progress is affected by any additional work during the expected period of study, and a change of mode of study is permitted by the Individual Research Degree Regulations.
49. A part-time student is expected to meet any curriculum, training and engagement requirements specified by their programme alongside any other commitments outside of their research programme, paid or otherwise.

### **Research-related paid employment**

50. A student may also undertake additional paid research work at the University of Strathclyde, based on their area of research, if the conditions of any funding allow it. Such work will require a formal contract establishing the student as a member of research staff. The student will be required to transfer to part-time study when the period of paid research work exceeds the limits set out in the [Code of Practice for Postgraduate Research Students](#) but does not exceed the requirements for part-time study. The student should enter voluntary suspension for the period of employment if the additional research work is equivalent to full time employment and does not exceed the maximum duration of voluntary suspension. Studentships, fees and funding will be adjusted to reflect the change to the student's mode of study. Students who are studying on a visa must comply with the restrictions placed on their working hours at all times, as detailed in the Code of Practice.

### **Teaching-related paid employment**

51. Students may be given the opportunity to engage in the support of teaching and learning activities through teaching, lecturing, demonstrating practical classes, project supervision, tutorials, and formative and summative assessments. This should not exceed the limits set out in the [Code of Practice for Postgraduate Research Students](#).
52. The student's teaching responsibilities will be clearly defined in writing.
53. All students will complete mandatory and any other appropriate training provided by their department/school before commencing any teaching and/or assessment.
54. Students will be fairly paid for any teaching work, as per University policy.

### **Professional Development**

55. Students are required to engage with the personal and professional development component of their programme.
56. Professional Development activities are an integral component of the taught elements of the following programmes:
  - a. Doctor of Business Administration (DBA)
  - b. Doctor of Education (EdD)

- c. Doctor of Engineering (EngD)
  - d. Doctor of Information Science (DInfSci)
  - e. Doctor of Pharmacy (DPharm)
  - f. PhD with Integrated Studies (PhDIntSt)
  - g. Professional Doctorate (DProf)
57. The personal and professional development content should be specified along with the taught element of each programme in the Individual Research Degree Regulations and/or handbook.
  58. Students registered in the Engineering, Science and Humanities and Social Sciences Faculties on a standard PhD programme with no formal taught curriculum, have to complete the Postgraduate Certificate in Researcher Professional Development (PG Cert RPD). The University's [Recognition of Prior Learning Policy](#) outlines the procedure for applying for exemption from programmes and modules on the basis of prior experiential or accredited learning.
  59. Students registered in the Strathclyde Business School on a standard PhD programme are required to complete the Postgraduate Certificate in Research Methodology for Business and Management.
  60. Students registered for DProf, EdD, DLitt and DSci are not required to undertake accredited transferable skills training.
  61. MPhil students will be required to take and pass 20 credits of professional development training comparable to the Postgraduate Certificate in Researcher Professional Development to complete their research degree programme.
  62. Visiting students are expected to engage with appropriate personal and professional development activities in line with the amount of time spent at the Institution. The registering department are responsible for establishing the scope and nature of the visit, and for monitoring engagement during the visit.
  63. Non-graduating students will have personal and professional development activities built into the collaborative agreement, some of which may occur while the student is based at Strathclyde.

### **Assessment**

64. All taught elements of the University's research programmes listed in regulation 1 must conform to the principles outlined in the Postgraduate Taught Course Regulations issued by Senate.
65. A student registered on a programme with a formal curriculum listed in regulation 1 will normally have to satisfy the requirements of the taught element before progressing to the research component, as described in the Individual Research Degree Regulations. Any outstanding taught elements of the programme must be completed before submitting their thesis for examination.
66. A student registered on a standard PhD programme must satisfy the requirements of the professional development programme specified in regulation 58 before submitting their thesis for examination. Any student who successfully completes the associated professional development programme element will be eligible to receive the appropriate award, at the appropriate time.
67. A student registered on an MPhil programme must satisfactorily complete the 20-credit professional development requirement in regulation 61 before they can submit their thesis for examination.

68. All doctoral research degree programmes require a thesis to be submitted for examination. The thesis will be assessed in an oral examination conducted by an examining committee, unless the student's personal circumstances require an alternative format acceptable to the examining department and committee.
69. All masters research degree programmes require a thesis to be submitted for examination, in addition to any formal curriculum requirements. The thesis will be examined by an examining committee and may also require an oral examination conducted by the examining committee.
70. The thesis must be submitted for examination by the final submission date. The [Code of Practice for Postgraduate Research Students](#) provides detailed information on the scope, content and format of the thesis, and planned and final submission dates.
71. Failure to submit by the final submission date, or to secure an extension using the process outlined in the [Code of Practice for Postgraduate Research Students](#), will result in the student being withdrawn from the programme of study and ineligible for examination.
72. With the exception of students registered for joint or dual degrees, a student will not be permitted to submit a thesis which has been or will be submitted for a degree or comparable award of this or any other university or institution.
73. The greater proportion of a student's research must have occurred during the period of registration. The contribution of any work from before the period of registration must be clearly established in the thesis, and all appropriate acknowledgements and attributions made, as detailed in the [Code of Practice for Postgraduate Research Students](#). Any previous work included in the thesis cannot have formed any part of a prior assessment for any type of award, and if the work has been previously published it must be cited in the same manner as any other published work.

### **Examining Committee**

74. The purpose of the oral examination and the role of the examining committee is to determine that:
- the thesis is a record of the candidate's original research or other advanced scholarship on primary data sources or similar;
  - the thesis makes an identifiable contribution to knowledge leading to original insight or understanding of a specific topic within the field of study;
  - the performance of the student in the oral examination was satisfactory;
  - the literary style and presentation of the thesis is satisfactory;
  - the thesis is worthy of publication, in part or in whole;
  - the candidate possesses a good general knowledge and understanding of the field of study and has demonstrated an ability to conceptualise, design and implement an appropriate research strategy and programme.
75. The examining committee is appointed for each individual candidate and includes:
- A convenor
  - at least one internal examiner; and
  - at least one examiner external to, and independent of, the University.
76. Internal examiners are members of the academic staff of the University. No Supervisor or member of the supervisory team member can be appointed as a convenor or internal examiner for their student.
77. External examiners are appointed in line with criteria approved by Senate, taking into



account national expectations of the role, and the management of potential conflicts of interest and externality. Departments/Schools should follow the [policies and processes](#) for appointing the examining committee.

78. At least one examiner will be qualified to the level of degree for which the candidate is being examined unless they are a Professor and therefore deemed to have equivalent expertise and experience to undertake this role.
79. The examining committee may also act as the board of examiners for any taught or training components of the degree programme. Individual Research Degree Regulations and the [Code of Practice for Postgraduate Research Students](#) indicate how taught or training components are examined.

### **Results of Examination**

80. The outcome of the first oral examination will be one of the following:

- a. Pass with final award made;
- b. Pass subject to minor amendments of the thesis assessed to the satisfaction of internal examiner only or full examining committee;
- c. Pass subject to major amendments of the thesis assessed to the satisfaction of the full examining committee;
- d. Resubmission following further research and re-examination of a thesis by the full examining committee, and a second oral examination;
- e. Fail with a lower, related exit award made at this point;
- f. Fail with lower, related exit award made at this point with minor corrections being required and assessed by the internal examiner only;
- g. Fail with transfer to a lower, related exit award with the requirement to resubmit assessed by the full examining committee;
- h. Fail with transfer to a lower, related exit award with the requirement to resubmit assessed by the full examining committee and a second oral examination.
- i. Fail with no award and compulsorily withdrawn.

81. Details on the process and deadlines following each of these outcomes are provided in the [Code of Practice for Postgraduate Research Students](#).

82. Failure to meet the deadlines for resubmission set by the examining committee will result in the student being withdrawn from the registered programme unless the student has informed the examining committee of any extenuating circumstances and the committee have agreed to an extension.

83. A student will have one further opportunity to resubmit the thesis for examination following outcome *d*, *e*, *f*, *g*, and *h* of regulation 80.

84. Following re-submission under points *d* of regulation 80, the outcomes available to the examining committee are:

- a. Pass with award made;
- b. Pass with minor corrections assessed by the internal examiner only;
- c. Fail with transfer to a lower, related exit award with the award being made at this point;
- d. Fail with no award and compulsorily withdrawn.

85. Following resubmission for a lower, related award of regulation 80, the outcomes available to the examining committee are:

- a. Pass and award made;
- b. Pass subject to minor amendments assessed by the internal examiner only;

- c. Fail with no award and compulsorily withdrawn.
86. Following outcomes *g* and *h* of regulation 80, the student can be transferred to one of the possible exit awards listed in regulation 90 and confirmed in the Research Degree Regulations for individual programmes.

### **Student Conduct and appeals**

87. Students should abide by the academic, research and professional conduct standards defined by the University. Any breaches in conduct will be investigated according to University procedures, provided in the [Code of Practice for Postgraduate Research Students](#). Students have a right to appeal against any decisions made about their academic, research or professional conduct. The appeal process for each type of conduct is detailed in the Code of Practice.

### **Exit Awards**

88. A student can achieve an exit award through the following routes:

- Progress is deemed unsatisfactory at a formal review and student is recommended to submit and be examined for an exit award;
- the examining committee recommend that the student be considered for an exit award following the oral examination;
- the student requests a transfer to an exit award during the period of supervised research, or under the circumstances described in regulation 82.

*NB: In each case, the student must have completed the requirements, or be able to complete the requirements for the exit award. The specific requirements for an exit award are provided in the programme specification for the research programme.*

89. A student withdrawn from their programme on the grounds of academic, professional, or research misconduct will not be eligible for an exit award.
90. The following exit award levels may be available, depending on Individual Research Degree Regulations:

| <b>Registered award</b>                   | <b>Possible exit awards</b> |
|-------------------------------------------|-----------------------------|
| Doctor of Business Administration (DBA)   | MSc/PG Dip/PG Cert          |
| Doctor of Education (EdD)                 | MEd/MSc/PG Dip/PG Cert      |
| Doctor of Educational Psychology (DEdPsy) | MPhil                       |
| Doctor of Engineering (EngD)              | MPhil/MSc/PG Dip/PG Cert    |
| Doctor of Information Science (DInfSci)   | MPhil/MSc/PG Dip            |
| Doctor of Pharmacy (DPharm)               | MPhil/MRes                  |
| Doctor of Philosophy (PhD)                | MPhil                       |
| Doctor of Philosophy (PhD) (SBS only)     | MPhil/PG Dip/PG Cert        |
| PhD with Integrated Studies (PhDIntSt)    | MPhil/MSc/PG Dip/PG Cert    |
| Master of Philosophy (MPhil)              | No exit award               |
| Master of Research (MRes)                 | PG Cert                     |
| Professional Doctorate                    | MSc/PG Dip/PG Cert          |

### **Availability of Thesis**

91. Following the ratification of an awarded research degree undertaken at the University, the thesis will be electronically available within the public domain. Students should also comply with the University Research Data Policy to safeguard data during the period of registration, and where possible and appropriate or mandated by a funder, make the data available after the thesis has been made publicly available.



92. A student may request a delay to the release of a thesis under limited and specific circumstances relating to publication, commercial exploitation or patenting, or where the thesis includes material which is of significance to national security or personal safety. The request for a delay to the release of a thesis must be compatible with the terms and conditions of any funding the student has received. A maximum delay of 5 years from the date of the award may be agreed.
93. A permanent moratorium may be sought on very limited grounds relating to personal or national security or where permission to include third party copyright material could not be obtained, and exclusion of this material would significantly reduce the academic value of the thesis.
94. The request to delay the release of thesis must be made in advance of the thesis submission, following the process described in the [Code of Practice for Postgraduate Research Students](#).
95. Theses funded by a UKRI training grant must be placed in the public domain within a maximum of 12 months following award. Students receiving funding from another body should comply with the terms and conditions of their funding award.

#### **Commercialisation of Research and Intellectual Property (IP)**

96. Students must accept one of three options regarding their intellectual property rights when registering. Students can agree to the University's Policy, not agree to the University's Policy because their funder has stipulated different requirements, or the student can choose not to agree to accept the University's policy for personal reasons. Students who disagree on personal grounds must establish with their supervisor what those grounds are, and the supervisor will have to determine, with the approval of the Head of Department/School, if the student can be accepted for supervision. Students should read the Policy before completing registration and understand the options available to them. More information can be found in the [Code of Practice for Postgraduate Research Students](#).

#### **Enhancement and continuous improvement**

97. Senate defines mechanisms for the regular monitoring, review and validation of the quality and standards of research student support provision, and where appropriate the partnership arrangements involved in the delivery of such programmes. Further details can be found in the [Code of Practice for Postgraduate Research Students](#).

# FACULTY OF ENGINEERING

## DEPARTMENT OF ARCHITECTURE

### BUILDING DESIGN AND MANAGEMENT FOR SUSTAINABILITY

#### Master of Research in Building Design and Management for Sustainability Postgraduate Certificate in Building Design and Management for Sustainability

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), applicants shall possess:
  - i. a first or second class Honours degree from a United Kingdom university (in Architecture, Engineering, or closely related subject); or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to i. above; or
  - iii. be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply.

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                      | Level | Credits |
|-------------|---------------------------------------------------|-------|---------|
| 22563       | Ecology, Sustainability and the Built Environment | 4     | 10      |
| AB930       | Construction Project Management                   | 5     | 10      |
| AB975       | Sustainability                                    | 5     | 10      |
| CL931       | Research Protocols in Science and Engineering     | 5     | 10      |

|       |                  |   |     |
|-------|------------------|---|-----|
| AB972 | Research Project | 5 | 120 |
|-------|------------------|---|-----|

### **Optional Modules**

No fewer than 20 credits chosen from Level 5 modules offered within the Faculty of Engineering, as approved by the Programme Leader.

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| CL955       | Environmental Management Systems | 5     | 10      |
| CL956       | Environmental Business Strategy  | 5     | 10      |
| EF931       | Project Management               | 5     | 10      |
| EF932       | Risk Management                  | 5     | 10      |
| EF933       | Design Management                | 5     | 120     |
| EV939       | Environmental Impact Assessment  | 5     | 10      |

### **Examination, Progress and Final Assessment**

6. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply.
7. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the programme before being permitted to proceed to the Dissertation.
8. The final award will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

### **Award**

9. **Degree of MRes:** In order to qualify for the award of the degree of Master of Research in Building Design and Management for Sustainability a candidate must have accumulated no fewer than 180 credits of which 120 must have been awarded in respect of the Research Project AB972.
10. **Award of Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Building Design and Management for Sustainability, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### BIOFLUID MECHANICS

#### Master of Research in Biofluid Mechanics Postgraduate Certificate in Biofluid Mechanics

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MRes, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

4. The programme is available by full-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| BE913       | MRes Project                                   | 5     | 120     |
| BE918       | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919       | Research Methodology                           | 5     | 10      |

#### Optional Modules

No fewer than 40 credits from the list of optional modules:

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| BE926       | Biofluid Mechanics | 5     | 20      |

|       |                                                                      |   |    |
|-------|----------------------------------------------------------------------|---|----|
| BE927 | Industrial Software                                                  | 5 | 20 |
| BE915 | Medical Science for Engineering                                      | 5 | 20 |
| BE923 | Haemodynamics for Engineers                                          | 5 | 10 |
| BE925 | Numerical Modelling in Biomedical Engineering                        | 5 | 10 |
| BE903 | Cardiovascular Devices                                               | 5 | 10 |
| BE920 | The Medical Device Regulatory Process                                | 5 | 10 |
| BE500 | Entrepreneurship & Commercialization in Biomedical Engineering       | 5 | 10 |
| BE916 | Introduction to Biomechanics                                         | 5 | 10 |
| MM506 | Finite Element Methods for Boundary Value Problems and Approximation | 5 | 20 |
| MM508 | Mathematical Biology and Marine Population Modelling                 | 5 | 20 |
| EF927 | Design Management                                                    | 5 | 10 |
| EF932 | Risk Management                                                      | 5 | 10 |

### Examination, Progress and Final Assessment

6. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

### Award

7. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Biofluid Mechanics, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the project.
8. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Biofluid Mechanics, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### BIOMEDICAL ENGINEERING

**Master of Research in Biomedical Engineering**

**Master of Research in Biomedical Engineering with Biomechanics**

**Master of Research in Biomedical Engineering with Cell and Tissue Engineering**

**Postgraduate Certificate in Biomedical Engineering**

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MRes, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### **Mode of Study**

4. The programme is available by full-time and part-time study.

#### **Credit Transfer and Recognition of Prior Learning**

5. At the discretion of the Head of Department or Programme Leader, credit transfer and RPL may be granted for up to 34% of the programme.

#### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| BE918       | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919       | Research Methodology                           | 5     | 10      |
| BE913       | MRes Project                                   | 5     | 120     |

| Either* |                                 |   |    |
|---------|---------------------------------|---|----|
| BE911   | Engineering Science             | 5 | 20 |
| Or      |                                 |   |    |
| BE915   | Medical Science for Engineering | 5 | 20 |

\*Dependent on the academic background of the student and chosen after consultation with the Programme Leader.

### **MRes in Biomedical Engineering**

No fewer than 20 credits chosen from the list of optional modules.

### **MRes in Biomedical Engineering with Biomechanics**

| Module Code | Module Title                 | Level | Credits |
|-------------|------------------------------|-------|---------|
| BE916       | Introduction to Biomechanics | 5     | 10      |

Plus, no fewer than 10 credits chosen from the list of optional modules.

### **MRes in Biomedical Engineering with Cell and Tissue Engineering**

| Module Code | Module Title                                 | Level | Credits |
|-------------|----------------------------------------------|-------|---------|
| BE901       | Regenerative Medicine and Tissue Engineering | 5     | 10      |

Plus, no fewer than 10 credits chosen from the list of optional modules.

### **Optional Modules**

| Module Code | Module Title                               | Level | Credits |
|-------------|--------------------------------------------|-------|---------|
| BE916       | Introduction to Biomechanics               | 5     | 10      |
| BE902       | Prosthetics and Orthotics                  | 5     | 10      |
| BE901       | Regenerative Medicine & Tissue Engineering | 5     | 10      |
| BE900       | Tissue Mechanics                           | 5     | 10      |
| BE909       | Biomedical Electronics                     | 5     | 10      |
| BE904       | Clinical and Sports Biomechanics           | 5     | 10      |
| BE905       | Bio-signal Processing and Analysis         | 5     | 10      |

|       |                                               |   |    |
|-------|-----------------------------------------------|---|----|
| BE906 | Biomaterials and biocompatibility             | 5 | 10 |
| BE903 | Cardiovascular Devices                        | 5 | 10 |
| BE908 | Biomedical Instrumentation                    | 5 | 10 |
| BE912 | Anatomy & Physiology                          | 5 | 10 |
| BE920 | The Medical Device Regulatory Process         | 5 | 10 |
| BE923 | Haemodynamics for Engineers                   | 5 | 10 |
| BE924 | Medical Robotics                              | 5 | 10 |
| BE925 | Numerical Modelling in Biomedical Engineering | 5 | 10 |
| BE928 | Rehabilitation Technology                     | 5 | 10 |

### Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

### Award

8. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Biomedical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the project BE913.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Biomedical Engineering, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

### Transfer

10. A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Biomedical Engineering may be transferred to the Postgraduate Certificate in Biomedical Engineering provided the appropriate progress regulations are satisfied.



# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### MEDICAL DEVICES

**Doctor of Engineering in Medical Devices**

**Master of Science in Medical Devices**

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Applicants shall possess:
  - i. a Master's or an Integrated Master's degree; or,
  - ii. a first or upper second class Honours degree from a United Kingdom University; or,
  - iii. other qualifications deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to be equivalent to (i) or (ii) above; or,
  - iv. be deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to have achieved an academic standard equivalent to (i) or (ii) or (iii) above.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.
3. Applicants who satisfy the provisions of Regulation 1 may, in addition, be required to have had a period of relevant experience.
4. In all cases, applicants must submit a satisfactory research area or topic.

#### **Duration of Study**

5. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### **Mode of Study**

6. The programme is available by full-time study only.

#### **Credit Transfer and Recognition of Prior Learning**

7. As permitted by the [General Academic Regulations - Postgraduate Research Degree Regulations](#) and at the discretion of the Programme Leader, exemption from part of the programme may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

#### **Curriculum**

8. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

##### **First Year**

| Module Code | Module Title                    | Level | Credits |
|-------------|---------------------------------|-------|---------|
| BE915       | Medical Science for Engineering | 5     | 20      |

|       |                                                       |   |    |
|-------|-------------------------------------------------------|---|----|
| MP931 | Generic Biomedical and Pharmaceutical Research Skills | 5 | 20 |
| BE910 | EngD/MSc Medical Devices Project                      | 5 | 20 |
| BE918 | Professional Studies in Biomedical Engineering        | 5 | 10 |
| BE919 | Research Methodology                                  | 5 | 10 |
| BE909 | Biomedical Electronics                                | 5 | 10 |
| BE908 | Biomedical Instrumentation                            | 5 | 10 |
| MP942 | Advanced Techniques in Biomedical Research 1          | 5 | 10 |
| BE920 | The Medical Device Regulatory Process                 | 5 | 10 |

### **Optional Modules**

No fewer than 60 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                           | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------|--------------|----------------|
| BE916              | Introduction to Biomechanics                  | 5            | 10             |
| BE904              | Clinical and Sports Biomechanics              | 5            | 10             |
| BE900              | Tissue Mechanics                              | 5            | 10             |
| BE906              | Biomaterials and Biocompatibility             | 5            | 10             |
| BE901              | Regenerative Medicine & Tissue Engineering    | 5            | 10             |
| BE903              | Cardiovascular Devices                        | 5            | 10             |
| BE902              | Prosthetics and Orthotics                     | 5            | 10             |
| BE905              | Bio-signal Processing and Analysis            | 5            | 10             |
| BE920              | The Medical Device Regulatory Process         | 5            | 10             |
| BE923              | Haemodynamics for Engineers                   | 5            | 10             |
| BE924              | Medical Robotics                              | 5            | 10             |
| BE925              | Numerical Modelling in Biomedical Engineering | 5            | 10             |
| MP968              | In Vivo Biology                               | 5            | 10             |
| MP979              | Drug Discovery                                | 5            | 10             |
| MP977              | Toxicological Analysis                        | 5            | 10             |

- 9. Second, Third and Fourth Years** - All students shall undertake a doctoral research project. Research projects are allocated to students from an approved list prior to the start of the second year and the normal supervisory and progression requirements for

doctoral awards apply (see [General Academic Regulations - Postgraduate Research Degree Regulations](#)).

### **Examination, Progress and Final Assessment**

10. Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the taught component of the programme. In addition, students must satisfy the general regulations associated with the award of a doctoral research degree as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).
11. Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.
12. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted one further attempt to pass the relevant module(s) normally in the same academic year. The Board of Examiners will determine whether the resit should take the form of an examination or an assignment.

### **Award**

13. **Degree of EngD:** In order to qualify for the award of the degree of EngD in Medical Devices, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the first year of study. In addition, a student must perform satisfactorily in an oral examination based on a piece of original research submitted to the University of Strathclyde in the form of a portfolio or thesis as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).
14. **Degree of MSc:** In order to qualify for the award of MSc in Medical Devices, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 20 must have been awarded in respect of the Project BE910.

# FACULTY OF ENGINEERING

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### MEDICAL TECHNOLOGY

#### Master of Research in Medical Technology Postgraduate Certificate in Medical Technology

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MRes, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| BE918       | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919       | Research Methodology                           | 5     | 10      |
| BE913       | MRes Project                                   | 5     | 120     |
| BE920       | The Medical Device Regulatory Process          | 5     | 10      |
| Either*     |                                                |       |         |

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| BE911 | Engineering Science             | 5 | 20 |
| Or    |                                 |   |    |
| BE915 | Medical Science for Engineering | 5 | 20 |

\*Dependent on the academic background of the student and chosen after consultation with the Programme Leader.

### **Optional Modules**

No fewer than 10 credits from the list:

| Module Code | Module Title                                  | Level | Credits |
|-------------|-----------------------------------------------|-------|---------|
| BE916       | Introduction to Biomechanics                  | 5     | 10      |
| BE902       | Prosthetics and Orthotics                     | 5     | 10      |
| BE901       | Regenerative Medicine & Tissue Engineering    | 5     | 10      |
| BE900       | Tissue Mechanics                              | 5     | 10      |
| BE909       | Biomedical Electronics                        | 5     | 10      |
| BE904       | Clinical and Sports Biomechanics              | 5     | 10      |
| BE905       | Bio-signal Processing and Analysis            | 5     | 10      |
| BE906       | Biomaterials and biocompatibility             | 5     | 10      |
| BE903       | Cardiovascular Devices                        | 5     | 10      |
| BE908       | Biomedical Instrumentation                    | 5     | 10      |
| BE923       | Haemodynamics for Engineers                   | 5     | 10      |
| BE924       | Medical Robotics                              | 5     | 10      |
| BE925       | Numerical Modelling in Biomedical Engineering | 5     | 10      |

### **Examination, Progress and Final Assessment**

- See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

### **Award**

- Degree of MRes:** In order to qualify for the award of the degree of MRes in Medical Technology, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the project BE913.
- PGCert:** In order to qualify for the award of PGCert in Medical Technology, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### CLIMATE CHANGE ADAPTATION

#### Master of Research in Climate Change Adaptation Postgraduate Certificate in Climate Change Adaptation

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), applicants shall possess:
  - i. a minimum of first or upper second class Honours degree from a United Kingdom university (in Engineering, Physical Science or closely related subject); or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or
  - iii. be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to i. above.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See the [General Academic Regulations - Postgraduate Research Degree Regulations](#).
4. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), the maximum duration of study will be:
  - i. for the degree of MRes by full-time study - 24 months
  - ii. for the degree of MRes by part-time study- 36 months

#### Mode of Study

5. The programme is available by both full-time and part-time study and students have the option of completing the programme either on-campus or via distance learning (online).

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

150 credits chosen from:

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| CL907       | MRes Dissertation | 5     | 120     |
| Either      |                   |       |         |

|         |                                                              |   |    |
|---------|--------------------------------------------------------------|---|----|
| CL804*  | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
| Or      |                                                              |   |    |
| CL997** | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
| Either  |                                                              |   |    |
| EV939   | Environmental Impact Assessment                              | 5 | 10 |
| Or      |                                                              |   |    |
| CL941   | Best Practice in Environmental Impact Assessment             | 5 | 10 |
| Either  |                                                              |   |    |
| CL994   | Circular economy and transformations towards sustainability  | 5 | 10 |
| Or      |                                                              |   |    |
| CL988   | Leading Issues in Circular Economy                           | 5 | 10 |

**\*Semester 1**

**\*\*Semester 2**

### **Optional Modules**

No fewer than 30 credits, chosen from:

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| RD905       | Researcher Professional Development Elective     | 5     | 10      |
| CL954       | Contaminated Land                                | 5     | 10      |
| CL904       | Waste Management and Landfill Design             | 5     | 10      |
| Either      |                                                  |       |         |
| CL906       | Site Investigation and Risk Assessment           | 5     | 10      |
| Or          |                                                  |       |         |
| CL949       | Site Investigation and Risk Assessment           | 5     | 10      |
| CL946       | Global Water Policy                              | 5     | 10      |
| CL961       | Geographical Information Systems                 | 5     | 10      |
| CL973       | Independent Study in Collaboration with Industry | 5     | 10      |
| CL985       | VIP: Water & International Development           | 5     | 10      |
| M9850       | International Environmental Law                  | 5     | 10      |
| L2967       | City Systems and Infrastructure                  | 5     | 10      |

| Either |                                                  |   |    |
|--------|--------------------------------------------------|---|----|
| EC959  | Environmental Economics                          | 5 | 10 |
| Or     |                                                  |   |    |
| EC927  | Environmental Economics                          | 5 | 10 |
| EC978  | Natural Resources, Sustainability and Governance | 5 | 10 |
| EC961  | Economics of Inequality and Inclusive Growth     | 5 | 10 |
| EC974  | Climate Change Economics                         | 5 | 10 |

Exceptionally, such other Level 5 modules totalling no more than 30 credits as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

### **Examination, Progress and Final Assessment**

7. Candidates are required to pass all examinations and to perform to the satisfaction of the Board of Examiners in the coursework and the dissertation.
8. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the programme before the dissertation can be submitted for examination.
9. The final award will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

### **Award**

10. **MRes:** In order to qualify for the award of the degree of MRes in Climate Change Adaptation, a candidate must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the dissertation CL907.
11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Climate Change Adaptation, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.



# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### GEOENVIRONMENTAL ENGINEERING

#### Master of Research in Geoenvironmental Engineering Postgraduate Certificate in Geoenvironmental Engineering

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. A minimum of first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or
  - iii. be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to i. above.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
4. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the maximum duration of study will be:
  - i. for the degree of MRes by full-time study - 24 months
  - ii. for the degree of MRes by part-time study - 36 months

#### Mode of Study

5. The programme is available by both full-time and part-time study and students have the option of completing the programme either on-campus or via distance learning (online).

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

150 credits chosen from

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| CL907       | MRes Dissertation | 5     | 120     |
| CL954       | Contaminated Land | 5     | 10      |
| Either      |                   |       |         |

|         |                                                              |   |    |
|---------|--------------------------------------------------------------|---|----|
| CL906   | Site Investigation and Risk Assessment                       | 5 | 10 |
| OR      |                                                              |   |    |
| CL949   | Site Investigation and Risk Assessment                       | 5 | 10 |
|         | Either                                                       |   |    |
| CL804*  | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
|         | OR                                                           |   |    |
| CL997** | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |

\*Semester 1

\*\*Semester 2

### **Optional Modules**

No fewer than 30 credits chosen from:

| Module Code | Module Title                                     | Level | Credits |
|-------------|--------------------------------------------------|-------|---------|
| RD905       | Researcher Professional Development Elective     | 5     | 10      |
| CL935       | Hydrogeology                                     | 5     | 10      |
| CL904       | Waste Management and Landfill Design             | 5     | 10      |
| CL961       | Geographical Information Systems                 | 5     | 10      |
| CL951       | Groundwater Flow Modelling                       | 5     | 10      |
| CL952       | Aquifer Mechanics                                | 5     | 10      |
| EV921       | Water and Environment Management                 | 5     | 10      |
| Either      |                                                  |       |         |
| EV939       | Environmental Impact Assessment                  | 5     | 10      |
| Or          |                                                  |       |         |
| CL941       | Best Practice in Environmental Impact Assessment | 5     | 10      |
| CL978       | Water & Wastewater Treatment Design              | 5     | 10      |
| CL973       | Independent Study in Collaboration with Industry | 5     | 10      |
| L2967       | City Systems and Infrastructure                  | 5     | 10      |
| CL996       | Materials and Microstructures                    | 5     | 10      |
| CL990       | Environmental Geochemistry                       | 5     | 10      |
| Either      |                                                  |       |         |

|       |                                                             |   |    |
|-------|-------------------------------------------------------------|---|----|
| CL994 | Circular Economy and Transformations Towards Sustainability | 5 | 10 |
| Or    |                                                             |   |    |
| CL988 | Leading Issues in Circular Economy                          | 5 | 10 |
| EC978 | Natural Resources, Sustainability and Governance            | 5 | 10 |

Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

Optional modules for study by Flexible Learning (e.g., Distance Learning) are available subject to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

### Examination, Progress and Final Assessment

7. Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the dissertation.
8. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the programme before the dissertation can be submitted for examination.
9. The final award will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

### Award

10. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Geoenvironmental Engineering, a candidate must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the dissertation CL907.
11. **Award of Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Geoenvironmental Engineering, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### INTEGRATED POLLUTION PREVENTION AND CONTROL

#### Master of Research in Integrated Pollution Prevention and Control Postgraduate Certificate in Integrated Pollution Prevention and Control

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
  - i. a minimum of a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth or Physical Science, or closely related subject); or
  - ii. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to i. above; or
  - iii. be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to i. above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
4. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), the maximum duration of study will be:
  - i. for the degree of MRes by full-time study - 24 months
  - ii. for the degree of MRes by part-time study - 36 months

#### Mode of Study

5. The programme is available by both full-time and part-time study and students have the option of completing the programme either on-campus or via distance learning (online).

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

150 credits chosen from:

| Module Code | Module Title                         | Level | Credits |
|-------------|--------------------------------------|-------|---------|
| CL907       | MRes Dissertation                    | 5     | 120     |
| CL904       | Waste Management and Landfill Design | 5     | 10      |
| CL990       | Environmental Geochemistry           | 5     | 10      |

|         |                                                              |   |    |
|---------|--------------------------------------------------------------|---|----|
|         | Either                                                       |   |    |
| CL804*  | Research Methods for Quantitative and Qualitative approaches | 5 | 10 |
|         | Or                                                           |   |    |
| CL997** | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |

\*Semester 1

\*\*Semester 2

### **Optional Modules**

No fewer than 30 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                         | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------------------|--------------|----------------|
| RD905              | Researcher Professional Development Elective                | 5            | 10             |
| CL946              | Global Water Policy                                         | 5            | 10             |
| CL954              | Contaminated Land                                           | 5            | 10             |
| CL960              | Fundamentals of Environmental Forensics                     | 5            | 10             |
| CL987              | Engineering Hydrology                                       | 5            | 10             |
| CL990              | Environmental Geochemistry                                  | 5            | 10             |
| EV921              | Water and Environmental Management                          | 5            | 10             |
| Either             |                                                             |              |                |
| EV939              | Environmental Impact Assessment                             | 5            | 10             |
| Or                 |                                                             |              |                |
| CL941              | Best Practice in Environmental Impact Assessment            | 5            | 10             |
| CL978              | Water & Wastewater Treatment Design                         | 5            | 10             |
| CL973              | Independent Study in Collaboration with Industry            | 5            | 10             |
| M9850              | International Environmental Law                             | 5            | 10             |
| L2967              | City Systems and Infrastructure                             | 5            | 10             |
| Either             |                                                             |              |                |
| CL994              | Circular Economy and Transformations Towards Sustainability | 5            | 10             |
| Or                 |                                                             |              |                |
| CL988              | Leading Issues in Circular Economy                          | 5            | 10             |
| EC978              | Natural Resources, Sustainability and Governance            | 5            | 10             |

|       |                                          |   |    |
|-------|------------------------------------------|---|----|
| CL996 | Materials and Microstructures            | 5 | 10 |
| CL913 | Public Health Studies                    | 5 | 10 |
| CL948 | Principles of Environmental Microbiology | 5 | 10 |

Exceptionally, such other modules totalling no more than 30 credits as approved by the Programme Leader.

Not all optional modules on this list will be available in each academic year.

Optional modules for study by Flexible Learning (e.g., Distance Learning) are available subject to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

### **Examination, Progress and Final Assessment**

7. Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the dissertation.
8. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the programme before the dissertation can be submitted for examination.
9. The final award will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

### **Award**

10. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Integrated Pollution Prevention and Control, a candidate must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the dissertation CL907.
11. **Award of Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Integrated Pollution Prevention and Control, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

### NUCLEAR ENGINEERING

#### Doctor of Philosophy in Nuclear Engineering Postgraduate Certificate in Nuclear Engineering

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), applicants shall possess:
  - i. a Master's (i.e. MSc) or an Integrated Master's (i.e. MEng) degree; or,
  - ii. a first or upper second class Honours degree from a United Kingdom University; or,
  - iii. other qualifications deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to be equivalent to (i) or (ii) above.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.
3. Applicants who satisfy the provisions of Regulation 1 may, in addition, be required by the Head of Department, acting on behalf of Senate, to be an experienced professional with current work experience in a relevant area of industry.
4. In all cases, applicants must submit a satisfactory research area or topic.

#### Duration of Study

5. 48 months as the minimum period of study, and 60 months as the maximum period of study for full-time PhD (see [General Academic Regulations - Postgraduate Research Degree Regulations](#)).

#### Mode of Study

6. The programme is available by full-time study only.

#### Curriculum

7. All students shall undertake an approved curriculum as follows:
8. **First Year** – All students will take the compulsory taught modules.

#### Compulsory Modules

| Module Code | Module Title                                            | Level | Credits |
|-------------|---------------------------------------------------------|-------|---------|
| CLXXX       | Introduction to the Nuclear Fuel Cycle                  | 5     | 30      |
| CLXXX       | Foundation Independent Research and Professional Skills | 5     | 30      |

9. **Second, Third and Fourth Years** – Upon successful completion of the compulsory taught modules, students will be able to progress to second year and will work on their doctoral research projects in the remaining years of the PhD.

#### **Examination, Progress and Final Assessment**

10. Candidates are required to pass oral examinations and to perform to the satisfaction of the Board of Examiners in the taught component of the programme. In addition, students must satisfy the general regulations associated with the award of a doctoral research degree as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).
11. Candidates are required to successfully complete the compulsory modules in order to progress to second year.
12. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted one further attempt to pass the relevant module(s), normally in the same academic year.

#### **Award**

13. **Degree of PhD in Nuclear Engineering:** In order to qualify for the award of the degree of PhD in Nuclear Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught curriculum. In addition, a student must perform satisfactorily in an oral examination based on a piece of original research submitted to the University of Strathclyde in the form of a portfolio or thesis as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).
14. **Postgraduate Certificate:** In order to qualify for the Postgraduate Certificate in Nuclear Engineering, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.



# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN MANUFACTURE AND ENGINEERING MANAGEMENT

### ADVANCED MANUFACTURING: FORGING AND FORMING

Doctor of Engineering in Advanced Manufacturing: Forging and Forming

Master of Science in Advanced Manufacturing: Forging and Forming

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

2. The programme is available by full-time study only.

#### Curriculum

3. All students shall undertake an approved curriculum as follows:

#### 4. First Year

#### Compulsory Modules

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| BE919       | Research Methodology                        | 5     | 10      |
| DM920       | Strategic Technology Management             | 5     | 10      |
| DM932       | Postgraduate Individual Project             | 5     | 60      |
| DM939       | Digital Manufacturing                       | 5     | 10      |
| DM942       | Manufacturing Automation                    | 5     | 10      |
| DM946       | Micro- and Nano-Manufacturing               | 5     | 10      |
| DM947       | Advanced Forming Technology and Systems     | 5     | 10      |
| DM948       | Advanced Material and Production Technology | 5     | 10      |

#### Optional Modules

No fewer than 50 credits chosen from:

| Module Code | Module Title                                                          | Level | Credits |
|-------------|-----------------------------------------------------------------------|-------|---------|
| DM923       | Product Modelling and Visualisation                                   | 5     | 10      |
| DM927       | Strategic Supply Chain Management                                     | 5     | 10      |
| DM933       | Engineering Risk Management                                           | 5     | 10      |
| OR          |                                                                       |       |         |
| DM805       | Engineering Risk Management (Online)                                  | 5     | 10      |
| DM941       | Fundamentals of Lean Six Sigma                                        | 5     | 10      |
| DM943       | Sustainable Product Design and Manufacturing                          | 5     | 10      |
| DM945       | Systems Thinking and Modelling                                        | 5     | 10      |
| OR          |                                                                       |       |         |
| DM808       | Introduction to Systems Thinking, Modelling and Optimisation (online) | 5     | 10      |
| DM955       | Total Quality Management                                              | 5     | 10      |
| OR          |                                                                       |       |         |
| DM809       | Management Of Total Quality and CI (Online)                           | 5     | 10      |
| DM986       | Mechatronic Systems Design Techniques                                 | 5     | 10      |
| EF931       | Project Management                                                    | 5     | 10      |
| OR          |                                                                       |       |         |
| DM811       | Project Management (Online)                                           | 5     | 10      |

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Director.

Not all optional modules will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

### **Second, Third and Fourth Years**

5. All students shall undertake a Doctoral Research Project. Research projects are allocated to students from an approved list at the start of the programme and the normal supervisory and progression requirements for doctoral awards apply (see the [General Academic Regulations - Postgraduate Research Degree Regulations](#)).

### **Examination, Progress and Final Assessment**

6. Candidates are required to perform to the satisfaction of the Board of Examiners in the taught component of the programme. In addition, students must satisfy the general regulations associated with the award of a doctoral research degree as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).

7. Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.
8. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted one further attempt to pass the relevant module(s) normally in the same academic year.

#### **Award**

9. **Degree of EngD:** In order to qualify for the award of the degree of EngD in Advanced Manufacturing; Forging and Forming, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the programme curriculum, of which 60 must have been awarded in respect of the Individual Project DM932 and submitted a piece of satisfactory original research in the form of a portfolio as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#), performed satisfactorily in an oral examination.
10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Manufacturing; Forging and Forming a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the programme curriculum, of which 60 must have been awarded in respect of the Individual Project DM932.

# FACULTY OF ENGINEERING

## DEPARTMENT OF DESIGN MANUFACTURE AND ENGINEERING MANAGEMENT

### SYSTEMS ENGINEERING MANAGEMENT

#### Doctor of Engineering in Systems Engineering Management

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

3. The programme is available by full-time study only.

#### Place of Study

4. Students will spend approximately 75% of their time undertaking a well-defined research project or portfolio of projects in collaboration with an industrial partner. The research will run continuously throughout the duration of the programme and will be undertaken mainly in the industrial partners' premises.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### First Year

#### Compulsory Modules

| Module Code | Module Title                        | Level | Credits |
|-------------|-------------------------------------|-------|---------|
| DM918       | People, Organisation and Technology | 5     | 10      |
| DM932       | Postgraduate Individual Project     | 5     | 60      |
| DM933       | Engineering Risk Management         | 5     | 10      |
| DM945       | Systems Thinking and Modelling      | 5     | 10      |

|       |                                |   |    |
|-------|--------------------------------|---|----|
| DM993 | Systems Architectures & Design | 5 | 10 |
| DM994 | Systems Engineering Concepts   | 5 | 10 |
| EF927 | Design Management              | 5 | 10 |

### **Optional Modules**

No fewer than 60 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                              | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------|--------------|----------------|
| DM920              | Strategic Technology Management                  | 5            | 10             |
| DM923              | Product Modelling and Visualisation              | 5            | 10             |
| DM927              | Strategic Supply Chain Management                | 5            | 10             |
| DM934              | Design Methods                                   | 5            | 10             |
| DM943              | Sustainable Product Design and Manufacture       | 5            | 10             |
| DM944              | Product Costing & Financial Management           | 5            | 10             |
| DM949              | DoE for Optimisation                             | 5            | 10             |
| EF945              | Knowledge & Information Management for Engineers | 5            | 10             |
| MS926              | Business Simulation Methods                      | 5            | 10             |

Exceptionally, such other modules totalling no more than 20 credits as approved by the Programme Leader.

### **Second, Third and Fourth Years**

All students shall undertake a Doctoral Research Project. Research projects are allocated to students from an approved list at the start of the programme and the normal supervisory and progression requirements for doctoral awards apply (see the [General Academic Regulations - Postgraduate Research Degree Regulations](#)).

### **Examination, Progress and Final Assessment**

- Candidates are required to perform to the satisfaction of the Board of Examiners in the taught component of the programme. In addition, students must satisfy the general regulations associated with the award of a doctoral research degree as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).

7. Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.
8. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted one further attempt to pass the relevant module(s), normally in the same academic year.

#### **Award**

9. **Degree of EngD:** In order to qualify for the award of the degree of EngD in Systems Engineering Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have:
  - i. accumulated no fewer than 180 credits from the programme curriculum
  - ii. submitted a piece of satisfactory original research in the form of a portfolio as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#)
  - iii. performed satisfactorily in an oral examination.

#### **Transfer**

10. A candidate who fails to satisfy the progress and award requirements for the award of the EngD may be transferred to the MSc Systems Engineering Management, Postgraduate Diploma or Postgraduate Certificate in Systems Engineering Management.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

### **APPLIED PHOTONICS**

**Doctor of Engineering in Applied Photonics**  
**Doctor of Philosophy in Applied Photonics**

1. This programme is offered jointly by the University of Strathclyde, the University of Glasgow, Heriot-Watt University, University of Huddersfield, University of Edinburgh, University of Dundee, National Physical Laboratory and University of St Andrews. The awards are made in the name of one of these seven Universities. The Regulations are drawn up consequent upon a Memorandum of Agreement for joint delivery of the degree which has been approved by Senate.
2. The taught component of the programmes may be delivered at university campuses or at independent work sites, but all modules are taught by staff from the seven universities. Students shall be subject to the Programme Regulations that have been adopted by all seven Universities and to any other General Regulations, etc., of the University at which they are registered.
3. For the current academic year, the administering university is Heriot-Watt University and full details of Programme Regulations applicable are shown in that University's Calendar.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### FUTURE POWER NETWORKS AND SMART GRIDS

#### Master of Research in Future Power Networks and Smart Grids Postgraduate Certificate in Future Power Networks and Smart Grids

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MRes, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                 | Level | Credits |
|-------------|--------------------------------------------------------------|-------|---------|
| EE800       | MRes Dissertation                                            | 5     | 100     |
| EE815       | Future Power Networks and the Smart Grid Paradigm            | 5     | 10      |
| EE802       | Control and Protection of Future Networks                    | 5     | 10      |
| EE803       | Power Electronics for Transmission and Distribution Networks | 5     | 10      |
| EE805       | Communications for Power Networks                            | 5     | 10      |
| EE962       | Power Systems and Wind Integration 1                         | 5     | 10      |



### **Optional Modules**

No fewer than 30 credits chosen from:

| <b>Module Code</b> | <b>Module Title</b>                                  | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------------|--------------|----------------|
| EE804              | Role of Demand and Customers in Smart Grid Operation | 5            | 10             |
| EE806              | Offshore and Pan European Supergrids                 | 5            | 10             |
| EE807              | Managing Risk and Uncertainty in Grid Operation      | 5            | 10             |
| EE808              | Asset Management and Condition Monitoring            | 5            | 10             |
| EE812              | Cyber Security and Data Privacy                      | 5            | 10             |

Such other modules as may be approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

### **Award**

7. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Future Power Networks and Smart Grids, a candidate must have accumulated no fewer than 180 credits, of which 100 must have been awarded in respect of the Dissertation EE800.
8. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Future Power Networks and Smart Grids, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

### **RENEWABLE ENERGY SYSTEMS**

#### **PhD in Renewable Energy Systems**

1. This programme is being offered jointly by Loughborough University, the University of Strathclyde and Cranfield University as part of the EPSRC Centre for Doctoral Training in Engineering Hydrogen Net Zero (EnerHy).
2. In order to qualify for the degree of PhD in Renewable Energy Systems, students will be required to complete a compulsory taught element, plus 3 years of research at the University of Strathclyde. The PhD award will be made solely by the University of Strathclyde.
3. The compulsory taught component is delivered by all three universities and is administered wholly by Loughborough University under the following:  
<https://www.lboro.ac.uk/governance/regulations/7/>. Prior to completion, Loughborough University will provide confirmation to Strathclyde that students have successfully complete the taught element of the programme.
4. The Regulations are drawn up consequent upon a Memorandum of Agreement for joint delivery of the taught elements of the degree, which has been approved by Senate. Students shall be subject to the Programme Regulations that have been adopted by all three Universities. These agreed regulations are published by Loughborough University. See <https://www.lboro.ac.uk/students/handbook/assessments/> and <https://www.lboro.ac.uk/students/handbook/starting/key-documents/> (see “Terms and Conditions of Study”).
5. During the research element of the programme, students shall be subject to the University of Strathclyde Regulations. See [General Regulations: Postgraduate Research Degree Regulations](#).

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

### **ULTRASONIC ENGINEERING**

#### **Doctor of Engineering in Ultrasonic Engineering**

#### **Doctor of Philosophy with Integrated Study in Ultrasonic Engineering**

1. This programme is being offered jointly by the University of Glasgow and University of Strathclyde as part of the EPSRC Centre for Doctoral Training in Future Ultrasonic Engineering. Students registering on one of these programmes will be subject to the [Postgraduate Research Degree General Regulations](#) of this University and will graduate with a degree from the University of Strathclyde only.
2. Both of these programmes involve a compulsory taught element. Prior to admission, the University of Glasgow will provide confirmation to Strathclyde that students have successfully completed the compulsory taught element of the programme. The taught component is administered wholly by the University of Glasgow with the regulations available in their University Calendar.

# FACULTY OF ENGINEERING

## DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

### WIND ENERGY SYSTEMS

#### Master of Research in Wind Energy Systems Postgraduate Certificate in Wind Energy Systems

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

4. The programme is available by full-time study only.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| EE964       | Research Skills 1 | 5     | 10      |
| EE965       | MRes Dissertation | 5     | 90      |

#### Optional Modules

No fewer than 80 credits chosen from:

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| BF981       | Socio-Economics of Energy Systems | 5     | 10      |

|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| EE958 | Wind Turbine Technology 1             | 5 | 10 |
| EE959 | Wind Turbine Technology 2             | 5 | 10 |
| EE960 | Wind Turbine Control                  | 5 | 10 |
| EE961 | Wind Turbine Power Conversion         | 5 | 10 |
| EE962 | Power Systems and Wind Integration 1  | 5 | 10 |
| EE963 | Power Systems and Wind Integration 2  | 5 | 10 |
| NM964 | Business Skills                       | 5 | 10 |
| NM999 | Mechanical Systems and Turbine Design | 5 | 10 |

Such other modules as may be approved by the Programme Leader.

#### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### **Award**

7. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Wind Energy Systems, a candidate must have accumulated no fewer than 180 credits, of which 90 must have been awarded in respect of the Dissertation EE965.
8. **PGCert:** In order to qualify for a Postgraduate Certificate in Wind Energy Systems, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# FACULTY OF ENGINEERING

## FACULTY PROGRAMMES

### ENGINEERING

#### Master of Research in Engineering Postgraduate Certificate in Engineering

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Applicants shall possess:
  - i. a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
  - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                   | Level | Credits |
|-------------|------------------------------------------------|-------|---------|
| CL931       | Research Protocols for Science and Engineering | 5     | 10      |
| EF925       | Research Project                               | 5     | 120     |
| Either      |                                                |       |         |
| DM933       | Engineering Risk Management                    | 5     | 10      |
| Or          |                                                |       |         |
| EF931       | Project Management                             | 5     | 10      |

### **Optional Modules**

No fewer than 40 credits chosen from Level 5 modules offered by the Faculty of Engineering, as approved by the Programme Leader.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

### **Award**

7. **MRes:** In order to qualify for the award of the degree of MRes in Engineering, a candidate must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the Research Project EF925.
8. **PGCert:** In order to qualify for the award of PGCert in Engineering, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

# **FACULTY OF ENGINEERING**

## **FACULTY PROGRAMMES**

### **NON-DESTRUCTIVE EVALUATION**

#### **Doctor of Engineering in Non-Destructive Evaluation**

1. This programme is offered jointly by the University of Strathclyde, Imperial College, University of Bristol, University of Bath, University of Nottingham and University of Warwick. The awards are made in the name of one of these six Universities. The Regulations are drawn up consequent upon a Collaboration Agreement for joint delivery of the degree which has been approved by Senate.
2. The taught component of the programmes will be delivered at the partner university campuses and all modules are taught by staff from the six universities. Students shall be subject to the Programme Regulations that have been adopted by all six Universities and to any other General Regulations, etc., of the University at which they are registered.
3. For the current academic year, the administering university is Imperial College, London, and full details of Programme Regulations applicable are shown in that University's Calendar.



# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING**

### **OFFSHORE RENEWABLE ENERGY**

#### **Doctor of Engineering in Offshore Renewable Energy**

1. This programme is offered jointly by the Universities of Edinburgh, Strathclyde and Exeter and Swansea as part of the EPSRC Centre for Doctoral Training in Offshore Renewable Energy (IDCORE) leading to the joint award of an Engineering Doctorate in Offshore Renewable Energy.
2. The Regulations are drawn up consequent upon a Memorandum of Agreement for joint delivery of the degree, which has been approved by Senate. Students shall be subject to the Programme Regulations that have been adopted by all four Universities. These agreed regulations are published by the University of Edinburgh. See [Assessment regulations | The University of Edinburgh](#) and [University of Edinburgh - Degree Regulations and Programmes of Study](#).
3. The programme involves a compulsory taught element. The taught component is delivered by all four universities and administered wholly by the University of Edinburgh under the following [Taught Assessment Regulations](#).

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING**

### **RENEWABLE ENERGY MARINE STRUCTURES**

#### **Doctor of Engineering in Renewable Energy Marine Structures**

This programme is offered jointly by the University of Strathclyde, Cranfield University and the University of Oxford. The awards are made in the name of one of these three Universities. The Regulations are drawn up consequent upon a Memorandum of Agreement for joint delivery of the degree which has been approved by Senate.

The taught component of the programmes will be delivered entirely at Cranfield University. Students shall be subject to the Programme Regulations that have been adopted by all three Universities and to any other General Regulations, etc., of the University at which they are registered.

The administering university is Cranfield University and full details of Programme Regulations applicable are shown in that University's Calendar.

# **FACULTY OF ENGINEERING**

## **DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN & MARINE ENGINEERING**

### **WIND & MARINE ENERGY SYSTEMS & STRUCTURES**

#### **Doctor of Engineering in Wind & Marine Energy Systems & Structures (WAMSS EngD)**

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), applicants shall possess:
  - i. a Master's (i.e. MSc) or an Integrated Master's (i.e. MEng) degree; or,
  - ii. a first or upper second class Honours degree from a United Kingdom University; or,
  - iii. other qualifications deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to be equivalent to (i) or (ii) above.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.
3. Applicants who satisfy the provisions of Regulation 1 may, in addition, be required by the Head of Department, acting on behalf of Senate, to be an experienced professional working in a relevant area of industry.
4. In all cases, applicants must submit a satisfactory research area or topic.

#### **Duration of Study**

5. 48 months as the minimum period of study, and 60 months as the maximum period of study for full-time EngD (see [General Academic Regulations - Postgraduate Research Degree Regulations](#))

#### **Mode of Study**

6. The programme is available by full-time study only.

#### **Credit Transfer and Recognition of Prior Learning**

7. As permitted by the [Policy on the Recognition of Prior Learning and Credit Transfer](#), the Board of Study may, with the approval of Senate, approve exemption from part of the taught element of the programme for students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

#### **Curriculum**

8. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| Module Code | Module Title                      | Level | Credits |
|-------------|-----------------------------------|-------|---------|
| EE964       | Induction Project                 | 5     | 10      |
| EE965       | MRES Dissertation                 | 5     | 90      |
| EE958       | Wind Turbine Technology 1         | 5     | 10      |
| EE959       | Wind Turbine Technology 2         | 5     | 10      |
| EE960       | Wind Turbine Control              | 5     | 10      |
| BF981       | Socio-Economics of Energy Systems | 5     | 10      |
| NM843       | Risk and Reliability Engineering  | 5     | 10      |

### **Optional Modules**

Students must take 30 credits chosen from:

| Module Code | Module Title                                | Level | Credits |
|-------------|---------------------------------------------|-------|---------|
| EE961       | Wind Turbine Power Conversion               | 5     | 10      |
| EE963       | Power Systems and Wind Integration 2        | 5     | 10      |
| EE962       | Power Systems and Wind Integration 1        | 5     | 10      |
| NM842       | Offshore Structural Integrity               | 5     | 10      |
| NM959       | Dynamics of Floating Offshore Installations | 5     | 10      |
| EV939       | Environmental Impact Assessment for ORE     | 5     | 10      |
| NM978       | Physical Testing of ORE Devices             | 5     | 10      |
| XX###       | Introduction to Offshore Geotechnics        | 5     | 10      |
| XX###       | Offshore Foundation Design                  | 5     | 10      |
| XX###       | Numerical Analysis for Offshore Geotechnics | 5     | 10      |
| XX###       | Advanced Fluid Mechanics for ORE            | 5     | 10      |

9. **First Year** – All students will attend an induction semester (from beginning of October until end of January) at University of Strathclyde, which includes Group Project 1 and 5 taught modules. Upon completion of the induction semester, the students will work part-time on Group Project 2 (from beginning of February until end of September) and they will commence their EngD research project in parallel. Research projects are allocated to students from an approved list prior to the completion of the induction semester and the normal supervisory and progression requirements for doctoral awards apply (see [General](#)

[Academic Regulations - Postgraduate Research Degree Regulations](#)).

10. **Second, Third and Fourth Years** - All students continue their doctoral research projects in the remaining years of the EngD. Moreover, the students will study 3 optional modules throughout the rest of their doctoral programme.

**Examination, Progress and Final Assessment**

11. Candidates are required to pass coursework and/or oral examinations and to perform to the satisfaction of the Board of Examiners in the taught component of the programme. In addition, students must satisfy the general regulations associated with the award of a doctoral research degree as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).
12. Candidates will be expected to attain minimum 180 credits, from Group Projects 1 & 2 as well as compulsory and optional modules, during the doctoral programme before being permitted to submit their EngD thesis.
13. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted one further attempt to pass the relevant module(s) normally in the same academic year. The Board of Examiners will determine whether the resit should take the form of an examination or an assignment.

**Award**

14. **Degree of EngD:** In order to qualify for the award of the degree of EngD in Wind & Marine Energy Systems & Structures, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the taught element in Years 1-4. In addition, a student must perform satisfactorily in an oral examination based on a piece of original research submitted to the University of Strathclyde in the form of a portfolio or thesis as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).

**Transfer**

15. A candidate who fails to satisfy the progress or award requirements of the EngD may be transferred to the MSc in Offshore Wind Energy.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## STRATHCLYDE INSTITUTE OF EDUCATION

### EDUCATION

#### Doctorate of Education

Doctorate of Education with specialism in Supporting Teacher Learning

Doctorate of Education with specialism in Philosophy with Children

Doctorate of Education with specialism in Autism

Doctorate of Education with specialism in Early Years Pedagogue

Doctorate of Education with specialism in Inclusive Education

Doctorate of Education with specialism in Educational Leadership

Doctorate of Education with specialism in Digital Technology

Doctorate of Education with specialism in Bilingual Education

Doctorate of Education with specialism in Philosophy and Culture

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), successful applicants shall possess:
  - i. a Master's degree in Education from a university in the United Kingdom; or
  - ii. a qualification deemed by the Head of Department (or nominee) acting on behalf of Senate to be equivalent to (i) above; or
  - iii. be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to (i) above.

In addition, successful applicants shall also:

- iv. possess a teaching qualification; or
  - v. possess other relevant professional qualification.
2. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), the minimum duration of study will normally be:

for the degree of EdD by full-time study – 36 months  
for the degree of EdD by part-time study – 48 months
4. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), the maximum duration of study will normally be

for the degree of EdD by full-time study – 60 months  
for the degree of EdD by part-time study – 96 months

### **Mode of Study**

5. The programme is available by full-time and part-time (distance learning) study. All students undertake a curriculum comprising modules which are modular in nature and consist of formal tuition, independent study and supervised research.

### **Curriculum**

6. All students shall undertake an approved curriculum as follows:

#### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                            | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------|--------------|----------------|
| X7825              | EdD Thesis                                     | 5            | 360            |
| X9646              | Methods of enquiry, literature and scholarship | 5            | 60             |
| X9645              | Advanced research methods and proposals        | 5            | 60             |

#### **Optional Modules**

Students shall undertake EITHER 60 credits from a choice of level 5 modules offered by the School of Education OR 60 credits within the subject specialisms listed below:

#### **Supporting Teacher Learning**

| <b>Module Code</b> | <b>Module Title</b>                                           | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------------------|--------------|----------------|
| X9797              | How Teachers Learn                                            | 5            | 20             |
| X9798              | Contemporary Contexts for Teacher Learning and Teachers' Work | 5            | 20             |
| X9799              | Supporting Professional Learning in The Workplace             | 5            | 20             |

#### **Philosophy with Children**

| <b>Module Code</b> | <b>Module Title</b>                                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------|--------------|----------------|
| X3902              | Introduction to Philosophy & Philosophical Practice | 5            | 20             |
| X3901              | Philosophy with Children Theory                     | 5            | 20             |
| X3903              | Philosophy with Children Facilitation               | 5            | 20             |

#### **Autism**

| <b>Module Code</b> | <b>Module Title</b>                                                 | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------------------------|--------------|----------------|
| X9808              | Theory and Practice in Autism 1: Conceptual Frameworks in Autism    | 5            | 20             |
| X7798              | Theory and Practice in Autism 2: The Spectrum of Autism             | 5            | 20             |
| X7799              | Theory and Practice in Autism 3: Responding to the Impact of Autism | 5            | 20             |

### **Early Years Pedagogue**

| <b>Module Code</b> | <b>Module Title</b>                                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------------|--------------|----------------|
| X7789              | Taking Action: Child, Family & Community Efficacy         | 5            | 20             |
| X9854              | Creating Stimulating Learning Environments: Indoors & Out | 5            | 20             |
| X9802              | Listening to Children & Hearing Their Voices              | 5            | 20             |

### **Inclusive Education**

| <b>Module Code</b> | <b>Module Title</b>                     | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------|--------------|----------------|
| X9743              | Understanding Inclusive Education       | 5            | 20             |
| X9744              | Providing Effective Educational Support | 5            | 20             |
| X9701              | Inclusive Pedagogy                      | 5            | 20             |

### **Educational Leadership**

60 credits from:

| <b>Module Code</b> | <b>Module Title</b>                               | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------------------------------------|--------------|----------------|
| X3820              | Leadership for Equity, Inclusion & Social Justice | 5            | 20             |
| X3821              | Leadership for School Improvement                 | 5            | 20             |
| X3822              | Contexts for Leadership                           | 5            | 20             |
| X3832              | Conceptions of Leadership                         | 5            | 20             |
| X3830              | Leadership for Learning                           | 5            | 20             |

### **Digital Technologies**



| Module Code | Module Title                                      | Level | Credits |
|-------------|---------------------------------------------------|-------|---------|
| X3862       | Instructional Design and Technology               | 5     | 20      |
| X3860       | Digital Media for Learning                        | 5     | 20      |
| X3900       | Technology Enhanced Learning: Theory and Practice | 5     | 20      |

### Bilingual Education

| Module Code | Module Title                                                                    | Level | Credits |
|-------------|---------------------------------------------------------------------------------|-------|---------|
| X3941       | Theories and Policies in 2 <sup>nd</sup> Language: Acquisition and Bilingualism | 5     | 20      |
| X3942       | Practice and Policies in Supporting Bilingual Learners                          | 5     | 20      |
| X3943       | Action Research to Effect Change for Bilingual Learners                         | 5     | 20      |
| Or          |                                                                                 |       |         |
| X7927       | GlT Pedagogy 1: Language Learning and Teaching                                  | 5     | 20      |
| X7928       | GlT Pedagogy 2: Gaelic-medium Education                                         | 5     | 20      |
| X7929       | GlT Pedagogy 3: Bilingualism                                                    | 5     | 20      |
| And / Or    |                                                                                 |       |         |
| X3842       | Language Learning in a Multilingual World                                       | 5     | 20      |
| X3841       | Contemporary Issues in Language Teaching                                        | 5     | 20      |

### Philosophy and Culture

| Module Code | Module Title                                      | Level | Credits |
|-------------|---------------------------------------------------|-------|---------|
| X3839       | Thinking About Education                          | 5     | 20      |
| X3838       | Philosophy of Technology and Education            | 5     | 20      |
| X3999       | Education and Self-Formation in Cultural Contexts | 5     | 20      |

### Examination, Progress and Final Assessment

- Before proceeding to the doctoral thesis stage, candidates are normally required to have passed all taught modules. Students must have passed 'X9465: Advanced Research Methods and Proposal', at the first attempt. A candidate who fails to fulfil this

requirement has the right of re-examination (See [General Academic Regulations - Postgraduate Research Degree Regulations](#)).

8. Candidates are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.
9. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners in the taught component of the programme before being permitted to proceed to the thesis.
10. Candidates who fail to satisfy the Board of Examiners in any taught module may, in the light of overall performance, be permitted one further attempt to pass the relevant module normally within one year of the first attempt.
11. The final assessment will be based on performance in the coursework, the thesis and an oral examination.

### **Award**

12. In order to qualify for the award of degree of Doctor of Education, a candidate must have performed to the satisfaction of the Board of Examiners by passing both EdD 'X9645: Advanced Research Methods and Proposal' at the first submission, and must have accumulated no fewer than 540 credits at Level 5, of which 360 must have been awarded in respect of the Thesis (60,000 words).
13. A candidate who has completed the work for the Doctor of Education but has failed to satisfy the examiners at doctoral level, may be considered by the Board Examiners for transfer to, and the award of, the Master of Education.

### **Transfer**

14. A candidate who has accumulated no fewer than 180 credits in the taught component of the programme will be eligible for the exit award of MSc in Practitioner Research.

A candidate who has accumulated no fewer than 120 credits in the taught component of the programme will be eligible for the exit award of Postgraduate Diploma in Practitioner Research.

A candidate who has accumulated no fewer than 60 credits in the taught component of the programme will be eligible for the exit award of Postgraduate Certificate in Practitioner Research.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## FACULTY PROGRAMMES

### MASTER OF RESEARCH IN...

Creative Writing

English

French

History

Italian

Journalism

Spanish

Physical Activity for Health

Speech and Language Sciences

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)*

### Admission

1. See [General Academic Regulations - Postgraduate Research Degree Regulations](#)
2. Candidates will be admitted to MRes study in the Faculty of Humanities and Social Sciences.
3. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

### Duration of Study

4. See [General Academic Regulations - Postgraduate Research Degree Regulations](#)

### Mode of Study

5. The degree is available by full-time and part-time study.

### Curriculum

6. All students will undertake an approved curriculum as follows:

### Compulsory Modules

| Module Code | Module Title            | Level | Credits |
|-------------|-------------------------|-------|---------|
| Either      |                         |       |         |
| QQ907       | Dissertation in English | 5     | 160     |

|       |                                              |   |     |
|-------|----------------------------------------------|---|-----|
| Or    |                                              |   |     |
| R1902 | Dissertation in Modern Languages             | 5 | 160 |
| Or    |                                              |   |     |
| V1918 | Dissertation in History                      | 5 | 160 |
| Or    |                                              |   |     |
| QQ906 | Dissertation in Creative Writing             | 5 | 160 |
| Or    |                                              |   |     |
| P3XXX | Dissertation in Journalism                   | 5 | 160 |
| Or    |                                              |   |     |
| B1913 | Dissertation in Physical Activity for Health | 5 | 160 |
| Or    |                                              |   |     |
| C99XX | Dissertation in Speech and Language Sciences | 5 | 160 |

### **Optional Modules**

No fewer than 20 credits and no more than 60 credits chosen from:

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| C8939       | Quantitative Research Methods                            | 5     | 20      |
| C8990       | Research Methods in Clinical Health Psychology           | 5     | 20      |
| QQ939       | Research Skills in Literature, Culture and Communication | 5     | 20      |
| V1932       | Research Skills, Sources and Methods for Historians      | 5     | 20      |
| V1965       | Palaeography, c.1500-c.18005                             | 5     | 20      |

Or alternative optional modules subject to the approval of their supervisor/Advisor of Studies and Head of Graduate School.

### **Examination and Final Assessment**

- See [General Academic Regulations - Postgraduate Research Degree Regulations](#)
- The final award will be based on performance in the coursework, examinations, and dissertation and, if appropriate, in an oral examination.

**Award**

9. **Degree of MRes:** In order to qualify for the award of the degree of MRes in the named subject a candidate must have accumulated no fewer than 180 credits of which no fewer than 160 credits must have been awarded in respect of the Dissertation.

# FACULTY OF HUMANITIES AND SOCIAL SCIENCES

## FACULTY PROGRAMMES

**Professional Doctorate (DProf) in Advanced Practice**

**Professional Doctorate (DProf) in Advanced Practice with specialisations in\***

- \* Health
- \* Social Work
- \* Social Policy and Criminal Justice
- \* Law
- \* Law, Crime & Justice
- \* Environmental Law & Governance
- \* Competition Law
- \* Internet Law & policy Law
- \* Public Law

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#)*

### **Admission**

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), applicants shall normally possess:
  - i. a Master's degree (with Merit or Distinction) in a relevant field from a university in the United Kingdom; or
  - ii. a first class or second class upper (2:1) Honours degree in a relevant professional field with a minimum of 5 years' experience working in that field; or
  - iii. a qualification deemed by the Programme Director (or nominee) acting on behalf of Senate to be equivalent to (i) above; or
  - iv. be deemed by the Programme Director (or nominee) acting on behalf of Senate, to have achieved an academic standard equivalent to above, and
  - v. other relevant professional qualification (nominally 5 years).

### **Duration of Study**

2. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#) the minimum duration of study will normally be part-time study 60 months and the maximum duration of study will normally be 96 months.

### **Place of Study**

3. As permitted by the [General Academic Regulations - Postgraduate Research Degree Regulations](#), all programmes make use of distance learning and blended learning as well as on campus delivery as appropriate.

### **Mode of Study**

4. The programme is available by part-time study. All students undertake a curriculum comprising modules which consist of formal tuition, independent study and supervised research.

### **Curriculum**

5. All students shall undertake an approved curriculum as follows, subject to the approval of the Programme Leader.

### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b>                                    | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------------|--------------|----------------|
| XXXXX              | DProf Thesis                                           | 5            | 360            |
| XXXXX              | Methods of enquiry in contemporary professional issues | 5            | 60             |
| XXXXX              | Advanced study design and research and proposal        | 5            | 60             |

### **Optional Modules**

Students shall undertake minimum of 60 credits from the optional modules below or 40 credits plus 20 credits from the PGCert Researcher Professional Development programme.

### **DProf Advanced Practice**

| <b>Module Code</b> | <b>Module Title</b>                                 | <b>Level</b> | <b>Credits</b> |
|--------------------|-----------------------------------------------------|--------------|----------------|
| X3832              | Conceptions of Leadership                           | 5            | 20             |
| X3820              | Leadership for Equity, Inclusion and Social Justice | 5            | 20             |
| X3838              | Philosophy of Technology and Education              | 5            | 20             |

### **Specialisation in Health**

| <b>Module Code</b> | <b>Module Title</b>                                                            | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------------------------------------------------|--------------|----------------|
| XXXXX              | Developing and Leading Collaborative Health and Care Workforces for the Future | 5            | 20             |
| XXXXX              | Leading improvement and transformation                                         | 5            | 20             |
| XXXXX              | Designing people centric healthcare                                            | 5            | 20             |
| MS819              | Health systems performance, financing and innovation                           | 5            | 20             |
| XXXXX              | Contemporary Issues and Inequalities in Health and Care                        | 5            | 20             |
| XXXXX              | Big Data Driven Healthcare                                                     | 5            | 20             |
| C8990              | Research Methods in Clinical Health Psychology                                 | 5            | 20             |

**Specialisation in Social Work**

| <b>Module Code</b> | <b>Module Title</b>                             | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------------|--------------|----------------|
| L5975              | Approaches To Welfare: Past, Present and Future | 5            | 20             |
| L5976              | Welfare Concepts and Ideas                      | 5            | 20             |
| L2905              | Quantitative methods                            | 5            | 20             |

**Specialisation in Social Policy and Criminal Justice**

| <b>Module Code</b> | <b>Module Title</b>                       | <b>Level</b> | <b>Credits</b> |
|--------------------|-------------------------------------------|--------------|----------------|
| M8926              | Contemporary Issues in Criminology        | 5            | 20             |
| L5988              | The Contexts of Criminal Justice Research | 5            | 20             |
| L8914              | Prisons, Power and Punishment             | 5            | 20             |

**List A- Options for all Law Specialisations**

| <b>Module Code</b> | <b>Module Title</b>                  | <b>Level</b> | <b>Credits</b> |
|--------------------|--------------------------------------|--------------|----------------|
| M9922              | Business and Human Rights            | 5            | 20             |
| M9920              | World Trading System: Law and Policy | 5            | 20             |
| M8913              | International Investment Law         | 5            | 20             |
| M9884              | Financial Crime and Sanctions        | 5            | 20             |
| M9923              | Competition Law and Policy in the EU | 5            | 20             |
| M9986              | European Human rights Law            | 5            | 20             |
| M9870              | EU Environmental Law                 | 5            | 20             |
| M8912              | Financial Regulation and Compliance  | 5            | 20             |
| XXXXX              | International Environmental Law 1    | 5            | 20             |
| M9990              | International Human Rights Law       | 5            | 20             |
| M9939              | Negotiation                          | 5            | 20             |
| M8902              | Arbitration Law                      | 5            | 20             |
| M9846              | Homicide                             | 5            | 20             |
| M9989              | Human Rights Protection in the UK    | 5            | 20             |
| M9944              | E-Commerce                           | 5            | 20             |



|       |                                                               |   |    |
|-------|---------------------------------------------------------------|---|----|
| M9811 | Employment Mediation                                          | 5 | 20 |
| M9862 | International Migration Law                                   | 5 | 20 |
| M9829 | Privacy, Crime and Security                                   | 5 | 20 |
| XXXXX | Oceans Governance and Law of the Sea                          | 5 | 20 |
| M8914 | International Climate Change Law                              | 5 | 20 |
| XXXXX | Global Environmental Law: Issues of Sustainability and Equity | 5 | 20 |
| M9892 | International Criminal Justice                                | 5 | 20 |
| M9937 | Theory and Principles of Conflict Resolution                  | 5 | 20 |
| XXXXX | Punishment and Processes of Penal Change                      | 5 | 20 |
| M9838 | Childhood and Crime                                           | 5 | 20 |
| XXXXX | Surveillance, Technology and Crime Control                    | 5 | 20 |
| M9842 | Restorative Justice                                           | 5 | 20 |
| XXXXX | Offender Supervision and Management                           | 5 | 20 |
| XXXXX | Justice & Penal Decision-Making                               | 5 | 20 |
| M98XX | Justice and Penal Change                                      | 5 | 20 |
| XXXXX | Competition Law of the UK and EU                              | 5 | 20 |
| M9897 | Competition Law and the State                                 | 5 | 20 |
| M9895 | Competition Law and the Digital Economy                       | 5 | 20 |
| M9894 | Competition Law                                               | 5 | 20 |

### Specialisation in Law

At least 40 credits and no more than 60 from List A.

### Specialisation in Law, Crime & Justice

| Module Code            | Module Title                     | Level | Credits |
|------------------------|----------------------------------|-------|---------|
| XXXXX                  | Justice & Penal Decision-Making* | 5     | 20      |
| M98XX                  | Justice and Penal Change*        | 5     | 20      |
| Plus                   |                                  |       |         |
| 20 credits from List A |                                  |       |         |

\* Compulsory for Specialisation in Law, Crime and Justice.

**Specialisation in Environmental Law & Governance**

| Module Code            | Module Title                                                   | Level | Credits |
|------------------------|----------------------------------------------------------------|-------|---------|
| M9921                  | International Environmental Law*                               | 5     | 20      |
| XXXXX                  | Global Environmental Law: Issues of Sustainability and Equity* | 5     | 20      |
| Plus                   |                                                                |       |         |
| 20 credits from List A |                                                                |       |         |

\* Compulsory for Specialisation in Environmental Law and Governance.

**Specialisation in Competition Law**

| Module Code            | Module Title                      | Level | Credits |
|------------------------|-----------------------------------|-------|---------|
| XXXXX                  | Competition Law of the UK and EU* | 5     | 20      |
| M9897                  | Competition Law and the State*    | 5     | 20      |
| Plus                   |                                   |       |         |
| 20 credits from List A |                                   |       |         |

\* Compulsory for Specialisation in Competition Law

**Specialisation in Internet Law and Policy Law**

| Module Code            | Module Title                             | Level | Credits |
|------------------------|------------------------------------------|-------|---------|
| M9895                  | Competition Law and the Digital Economy* | 5     | 20      |
| M9894                  | Competition Law*                         | 5     | 20      |
| Plus                   |                                          |       |         |
| 20 credits from List A |                                          |       |         |

\* Compulsory for Specialisation in Internet Law and Policy Law

**Specialisation in Public Law**

| Module Code            | Module Title                       | Level | Credits |
|------------------------|------------------------------------|-------|---------|
| M9989                  | Human Rights Protection in the UK* | 5     | 20      |
| M9990                  | International Human Rights Law*    | 5     | 20      |
| Plus                   |                                    |       |         |
| 20 credits from List A |                                    |       |         |

\* Compulsory for Specialisation in Public Law

**Examination, Progress and Final Assessment**

- Before proceeding to the doctoral thesis stage, students are normally required to have passed all taught modules.

7. Students must have passed, Advanced Study Design and Research Proposal, at the first attempt.
8. A student who fails to fulfil this requirement has the right of re-examination in line with the University Core Regulations for Professional Doctorates at Masters level.
9. Students are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.
10. Students will normally be expected to perform to the satisfaction of the Board of Examiners in the taught component of the programme before being permitted to proceed to the thesis.
11. Students who fail to satisfy the Board of Examiners in any taught modules may, in the light of overall performance, be permitted one further attempt to pass the relevant modules normally within one year of the first attempt.
12. The final award will be based on performance in the coursework, the thesis and an oral examination.

### **Award**

13. In order to qualify for the award of degree of DProf, a student must have performed to the satisfaction of the Board of Examiners by passing both DProf core modules with the second core module XXXX 'Advanced Study Design and Research Proposal' passed at the first submission and must have accumulated no fewer than 540 credits at Level 5, of which 360 must have been awarded in respect of the Thesis (60,000 words).
14. A student who has completed the work for the DProf but has failed to satisfy the examiners at doctoral level, may be considered by the Board Examiners for transfer to, and the award of, the MSc Advanced Practice.

### **Transfer**

15. A student who has accumulated no fewer than 180 credits in the taught component of the programme course will be eligible for the exit award of MSc in Advanced Practice.
16. A student who has accumulated no fewer than 120 credits in the taught component of the programme will be eligible for the exit award of Postgraduate Diploma in Advanced Practice.
17. A student who has accumulated no fewer than 60 credits in the taught component of the programme will be eligible for the exit award of Postgraduate Certificate in Advanced Practice.

# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### BUSINESS ADMINISTRATION

#### Doctor of Business Administration

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), successful applicants shall normally be experienced professional practitioners in their chosen field.

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

3. All students undertake a taught programme, the length of which should be governed by the regulations of that programme followed by a period of research to be determined by the Board.

#### First Stage Curriculum

4. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title                                                     | Level | Credits |
|-------------|------------------------------------------------------------------|-------|---------|
| BF992       | Research Methods                                                 | 5     | 20      |
| BF801       | Reviewing Literature in Business Subjects                        | 5     | 10      |
| BF984       | Research Colloquium                                              | 5     | 10      |
| and either  |                                                                  |       |         |
| BF994       | Introduction to Quantitative Methods: Survey Design and Analysis | 5     | 10      |
| BF998       | Advanced Quantitative Methods                                    | 5     | 10      |
| or          |                                                                  |       |         |

|       |                              |   |    |
|-------|------------------------------|---|----|
| BF995 | Advanced Qualitative Methods | 5 | 20 |
|-------|------------------------------|---|----|

### **Second Stage Curriculum**

- Students shall undertake 60 credits from a choice of level 5 modules offered by the Business School these could be located in academic departments or approved specialist training using the following codes.

### **Compulsory Modules**

| Module Code | Module Title     | Level | Credits |
|-------------|------------------|-------|---------|
| BF977       | Special Topics 1 | 5     | 20      |
| BF978       | Special Topics 2 | 5     | 20      |
| BF979       | Special Topics 3 | 5     | 20      |

### **Third Stage Curriculum**

- Students who satisfy the requirements of the First and Second Stage Curriculum shall progress to the Research Project.

### **Compulsory Modules**

| Module Code | Module Title     | Level | Credits |
|-------------|------------------|-------|---------|
| BF831       | Research Project | 5     | 60      |

### **Thesis Stage**

- Students must complete their research and prepare a thesis based thereon.

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| BF814       | DBA Thesis   | 5     | 360     |

### **Examination, Progress and Final Assessment**

- Candidates will normally be expected to perform to the satisfaction of the Board of Examiners in the taught component of the programme before being permitted to proceed to the thesis.
- If a candidate fails to fulfil this requirement, the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
- Candidates are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.
- The final award will be based on performance in the coursework, the thesis and an oral examination.

**Award**

12. In order to qualify for the award of degree of Doctor of Business Administration, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 540 credits at Level 5, of which 360 must have been awarded in respect of the Thesis.
13. A candidate who has completed the work for the Doctor of Business Administration but has failed to satisfy the examiners at doctoral level, may be considered by the Board Examiners for transfer to, and the award of, MSc in Practitioner Research in Business Administration.

**Transfer**

14. A candidate who fails to satisfy the progress or award requirements for the Doctor of Business Administration will be eligible for the exit award of MSc in Practitioner Research in Business Administration.
15. A candidate who fails to satisfy the progress or award requirements for the MSc of Business Administration will be eligible for the exit award of Postgraduate Diploma in Practitioner Research in Business Administration.
16. A candidate who fails to satisfy the progress or award requirements for the Postgraduate Diploma of Business Administration will be eligible for the exit award of Postgraduate Certificate in Practitioner Research in Business Administration.

# STRATHCLYDE BUSINESS SCHOOL

## FACULTY PROGRAMMES

### RESEARCH METHODOLOGY IN BUSINESS AND MANAGEMENT

Master of Research in Research Methodology in Business and Management  
Postgraduate Diploma in Research Methodology in Business and Management  
Postgraduate Certificate in Research Methodology in Business and Management

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Research Degree Regulations](#).

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall undertake a curriculum based on the accumulation of no fewer than 180 credits to be derived from the following compulsory and optional modules:

#### Compulsory Modules

| Module Code  | Module Title                                                     | Level | Credits |
|--------------|------------------------------------------------------------------|-------|---------|
| BF992/BF830* | Research Methods                                                 | 5     | 20      |
| BF991/BFXXX* | Research Philosophy                                              | 5     | 20      |
| BF984/BFXXX* | Research Colloquium                                              | 5     | 10      |
| BF801/BF835* | Reviewing Literature in Business Subjects                        | 5     | 10      |
| Either       |                                                                  |       |         |
| BF994/BFXXX* | Introduction to Quantitative Methods: Survey Design and Analysis | 5     | 10      |
| And          |                                                                  |       |         |
| BF998/BFXXX* | Advanced Quantitative Methods                                    | 5     | 10      |
| Or           |                                                                  |       |         |

|              |                                     |   |    |
|--------------|-------------------------------------|---|----|
| BF833/BFXXX* | Introduction to Qualitative Methods | 5 | 10 |
| And          |                                     |   |    |
| BF834/BFXXX* | Advanced Qualitative Methods        | 5 | 10 |

**\*PGR students undertaking remote study options must choose from these modules.**

### **Optional Modules**

Students should take 30/40 credits from this list so that total credits taken is 120.

For **ESRC** funded students only 20 credits to be chosen from the list below.

| <b>Module Code</b> | <b>Module Title</b>                                              | <b>Level</b> | <b>Credits</b> |
|--------------------|------------------------------------------------------------------|--------------|----------------|
| BF977              | Special Topics 1                                                 | 5            | 20             |
| BF978              | Special Topics 2                                                 | 5            | 20             |
| BF979              | Special Topics 3                                                 | 5            | 20             |
| BF989              | Special Topic in Management Research                             | 5            | 10             |
| BF836*             | Special Topic                                                    | 5            | 10             |
| RD905              | Researcher Professional Development Elective                     | 5            | 10             |
| BF994              | Introduction to Quantitative Methods: Survey Design and Analysis | 5            | 10             |
| BF998              | Advanced Quantitative Methods                                    | 5            | 10             |
| BF995              | Advanced Qualitative Methods                                     | 5            | 20             |
| BF988/<br>BFXXX*   | Writing-up Postgraduate Research                                 | 5            | 10             |
| RD905              | Researcher Professional Development Elective                     | 5            | 10             |
| EC981              | Software for Research                                            | 5            | 10             |
| EC971              | Policy and Project Evaluation                                    | 5            | 10             |
| AG944              | Causality in Empirical Finance Research                          | 5            | 10             |
| AG930              | Advanced Theories in Finance                                     | 5            | 20             |

Or other modules approved by the Programme Director.

Not all optional modules on this list will be available in each academic year.

**Student for the degree of MRes only:**



### **Compulsory Modules**

| <b>Module Code</b> | <b>Module Title</b> | <b>Level</b> | <b>Credits</b> |
|--------------------|---------------------|--------------|----------------|
| BF929              | Research Project    | 5            | 60             |

### **Examination, Progress and Final Assessment**

5. Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and in the dissertation.
6. The final award will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

### **Award**

7. **Degree of MRes:** In order to qualify for the award of the degree of MRes in Research Methodology in Business and Management a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Research Project BF929
8. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Research Methodology in Business and Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum, of which 80 must have been awarded in respect to the Compulsory Modules.
9. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Research Methodology in Business and Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum, which must include BF991/BFXXX Research Philosophy and BF992/BF830 Research Methods.

### **Transfer**

10. A candidate for the degree of MRes who fails to meet the requirements for the award of the degree may be transferred to the Postgraduate Diploma in Research Methodology in Business and Management.
11. A candidate who fails to satisfy the progress or award requirements for the Postgraduate Diploma in Research Methodology in Business and Management will be eligible for the exit award of Postgraduate Certificate in Research Methodology in Business and Management.

# FACULTY OF SCIENCE

## DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES

### INFORMATION SCIENCE

#### Doctor of Information Science (DInfSci)

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), successful applicants shall possess:
  - i. a Master's degree in a relevant discipline from a university in the United Kingdom; or
  - ii. a qualification deemed by the Programme Director (or nominee) acting on behalf of Senate to be equivalent to (i) above; or
  - iii. be deemed by the Programme Director (or nominee) acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.
2. In addition, successful applicants shall also possess a relevant professional qualification; normally, at least 10 years' relevant experience.

#### Duration of Study

3. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), the minimum duration of study will normally be:
  - i. for the degree of DInfSci by full-time study – 36 months
  - ii. for the degree of DInfSci by part-time study – 48 months
4. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), the maximum duration of study will normally be:
  - i. for the degree of DInfSci by full-time study – 60 months
  - ii. for the degree of DInfSci by part-time study – 96 months.

#### Mode of Study

5. The programme is available by full-time and part-time study. All students undertake a curriculum comprising modules which are modular in nature and consist of formal tuition, independent study and supervised research.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| CS9AA       | Specialist Knowledge | 5     | 60      |

|       |                            |   |     |
|-------|----------------------------|---|-----|
| CS9BB | Research Methods           | 5 | 60  |
| CS9CC | Literature and Scholarship | 5 | 60  |
| CS9DD | Thesis                     | 5 | 300 |

### **Examination, Progress and Final Assessment**

7. Candidates are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.
8. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners in the taught component of the programme before being permitted to proceed to the thesis.
9. Candidates who fail to satisfy the Board of Examiners in any taught class may, in the light of overall performance, be permitted one further attempt to pass the relevant class normally within one year of the first attempt.
10. The final award will be based on performance in the programme work, the thesis and an oral examination.

### **Award**

11. In order to qualify for the award of the degree of Doctor of Information Science, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 480 credits at Level 5, of which 300 must have been awarded in respect of the Thesis.

### **Transfer**

12. A candidate who has accumulated no fewer than 120 credits in the taught component of the programme will be eligible for the exit award of Postgraduate Diploma in Practitioner Research in Information Science.
13. A candidate who has accumulated no fewer than 180 credits in the taught component of the programme will be eligible for the exit award of MSc in Practitioner Research in Information Science.

# FACULTY OF SCIENCE

## DEPARTMENT OF MATHEMATICS AND STATISTICS

### MATHEMATICAL SCIENCES

#### Master of Research in Mathematical Sciences Postgraduate Certificate in Mathematical Sciences

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to [the General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to [the General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply subject to the following requirements. Applicants shall possess:
  - (i) a first or second class Honours degree from a United Kingdom university (in Mathematics or a closely related subject); or
  - (ii) a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

3. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply.

#### Mode of Study

4. The programme is available by full-time and part-time study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### Compulsory Modules

| Module Code | Module Title          | Level | Credits |
|-------------|-----------------------|-------|---------|
| MM551       | MRes Research Project | 5     | 120     |

#### Optional Modules\*

No fewer than 60 credits chosen from

| Module Code | Module Title                | Level | Credits |
|-------------|-----------------------------|-------|---------|
| MM552       | Applied Analysis and PDEs 1 | 5     | 15      |
| MM553       | Applied Analysis and PDEs 2 | 5     | 15      |

|       |                               |   |    |
|-------|-------------------------------|---|----|
| MM554 | Applied Mathematics Methods 1 | 5 | 15 |
| MM555 | Applied Mathematics Methods 2 | 5 | 15 |
| MM556 | Mathematical Models 1         | 5 | 15 |
| MM557 | Mathematical Models 2         | 5 | 15 |
| MM558 | Pure Analysis 1               | 5 | 15 |
| MM559 | Pure Analysis 2               | 5 | 15 |
| MM560 | Statistics 1                  | 5 | 15 |
| MM561 | Statistics 2                  | 5 | 15 |
| MM562 | Probability 1                 | 5 | 15 |
| MM563 | Probability 2                 | 5 | 15 |

\*Such other Level 5 modules as may be approved by the Programme Director.

#### **Examination, Progress and Final Assessment**

- Students are required to pass written and oral examinations and to perform to the satisfaction of the Board of Examiners in the course work, and the Examining Committee in the dissertation or report or design or project.
- At all stages of the programme, a student must achieve an approved standard of performance with regard to level of study and academic attainment.

#### **Award**

- MRes:** In order to qualify for the degree of MRes, a student must have performed to the satisfaction of the Examiners and must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the Research Project MM551.
- Postgraduate Certificate in Mathematical Sciences:** In order to qualify for the award of PGCert in Mathematical Sciences a student must have accumulated no fewer than 60 credits from the taught curriculum.

# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### APPLICATIONS OF NEXT GENERATION ACCELERATORS

#### PhD in Applications of Next Generation Accelerators

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

This degree is part of a collaborative EPSRC initiative comprising the University of Strathclyde, the University of Huddersfield, the Queen's University Belfast and the University of Surrey with additional teaching provided by the Scottish Universities Physics Alliance and The Cockcroft Institute at Daresbury. Students registering at the University of Strathclyde will graduate with a degree of the University of Strathclyde and will be subject to the General Regulations of this University. It is assumed that all modules offered by the external partners have been through the appropriate QAA processes

#### Admission

1. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply.

#### Duration of Study

2. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply.

#### Mode of Study

3. The programme is available by full-time study only.

#### Place of Study

4. Students will spend approximately 90% of their time undertaking a well-defined research project and 10 % of their time undertaking a placement in either an industrial or clinical environment.

#### Curriculum

5. All students shall undertake research projects together with the following

#### First Year

All students shall undertake an approved curriculum of at least 180 comprising classes offered by Strathclyde and the partner institutions as follows

#### Compulsory Modules

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| PH980       | Group Project      | 5     | 30      |
| PH981       | Individual Project | 5     | 30      |

|       |              |   |   |
|-------|--------------|---|---|
| PH983 | Accelerators | 5 | 5 |
|-------|--------------|---|---|

**Offered by Huddersfield, Queen's University Belfast and Surrey**

| Module Title                        | Credits |
|-------------------------------------|---------|
| Biomedical Accelerator Applications | 15      |
| Energy & Security Applications      | 15      |
| Research Skills 1                   | 15      |
| Research Skills 2                   | 15      |
| Radiation Physics                   | 15      |
| Radiation Biology                   | 15      |
| Cockcroft Lectures                  | 10      |

### **Optional Modules**

No fewer than 15 credits chosen from the modules listed under the Centre for Doctoral Training.

### **Second Year**

All students shall commence their doctoral research project and undertake an approved curriculum as follows

### **Compulsory Modules**

| Module Code | Module Title | Level | Credits |
|-------------|--------------|-------|---------|
| PH986       | Project 3    | 5     | 15      |

### **Third and Fourth Years**

All students shall continue a doctoral research project.

### **Modules offered by members of the Centre for Doctoral Training**

#### **Strathclyde**

| Module Code | Module Title                     | Level | Credits |
|-------------|----------------------------------|-------|---------|
| PH984       | Plasma Physics A                 | 5     | 5       |
| PH985       | Laser Driven Plasma Accelerators | 5     | 5       |

#### **Scottish Universities Physics Alliance**

| Module Title            | Credits |
|-------------------------|---------|
| Mathematical Modelling  | 5       |
| Nuclear Instrumentation | 5       |

|                    |   |
|--------------------|---|
| Discussion Classes | 5 |
|--------------------|---|

### Surrey

| Module Title                            | Credits |
|-----------------------------------------|---------|
| Computers in Medicine and Safety Issues | 15      |
| Applications of Ionising Radiation      | 15      |

### Queen's University Belfast

| Module Title                     | Credits |
|----------------------------------|---------|
| Plasma Physics B                 | 20      |
| Physics and Medicine             | 20      |
| Medical Physics and Applications | 20      |

### Progress

6. In order to proceed to the second year of the programme, a student must have performed at the appropriate standard and achieved at least 180 credits from the programme curriculum.
7. In order to proceed to the third year of the programme, a student must normally have accumulated at least 195 credits from the programme curriculum. A student must also satisfy the Centre for Doctoral Training Management Executive Committee that satisfactory progress is being made on the research project.
8. In order to proceed to the fourth year of the programme, a student must satisfy the Centre for Doctoral Training Management Executive Committee that satisfactory progress is being made on the research project.

### Award

9. **Degree of PhD:** In order to qualify for the award of the degree of **PhD in Applications of Next Generation Accelerators**, a candidate must have performed to the satisfaction of the Board of Examiners and must have:
  - (i) accumulated at least 195 credits from the programme curriculum
  - (ii) submitted a suitable thesis, and
  - (iii) performed satisfactorily in an oral examination.
10. **Degree of MPhil:** In order to qualify for the award of the degree of **MPhil in Applications of Next Generation Accelerators**, a candidate must have performed to the satisfaction of the Board of Examiners and must have:
  - (i) accumulated at least 195 credits from the programme curriculum, and
  - (ii) submitted a suitable thesis and if necessary, performed satisfactorily in an oral examination.

### Transfer

11. A student who does not perform at the appropriate standard defined by the Centre for Doctoral Training Management Executive Committee will be transferred to either the MSc, Postgraduate Diploma or Postgraduate Certificate in Applications of Next Generation Accelerators.





# FACULTY OF SCIENCE

## DEPARTMENT OF PHYSICS

### PHYSICS

**Master of Research in Physics**  
**Master of Research in Physics (in specific research area)**  
**Postgraduate Diploma in Physics**  
**Postgraduate Certificate in Physics**

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### **Admission**

1. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply subject to the following requirements. Applicants shall possess:
  - (i) a first or second class Honours degree from a United Kingdom university (in Physics or a closely related subject); or
  - (ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### **Duration of Study**

3. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply.

#### **Mode of Study**

4. The programme is available by full-time and part-time study.

#### **Curriculum**

5. Students will follow a specialisation that relates to the research interests of the Department.
6. All students shall undertake a curriculum based on the accumulation of no fewer than 180 credits, to be derived from the following compulsory and optional modules.

#### **Compulsory Modules**

| Module Code | Module Title    | Level | Credits |
|-------------|-----------------|-------|---------|
| PH551       | Research Skills | 5     | 20      |
| PH987       | Project         | 5     | 120     |

**Optional Modules**

7. All students shall take modules amounting to 40 credits chosen from the level 5 modules offered by the Department of Physics or other level 5 modules relevant for their research area as approved by the Adviser of Studies.

**Examination, Progress and Final Assessment**

8. Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the course work and in the Project.
9. The final award will be based on performance in the examinations, coursework, and the Project.

**Award**

10. Degree of **MRes in Physics** and Degree of **MRes in Physics (in specific research area)**: In order to qualify for the degree of MRes in Physics or degree of MRes in Physics (in specified research area), a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the Project PH987.
11. **Postgraduate Diploma**: In order to qualify for the award of Postgraduate Diploma in Physics students must have achieved no fewer than 120 credits.
12. **Postgraduate Certificate**: In order to qualify for the award of Postgraduate Certificate in Physics students must have achieved no fewer than 60 credits.

## **FACULTY OF SCIENCE**

### **DEPARTMENT OF PURE AND APPLIED CHEMISTRY**

#### **DOCTOR OF PHILOSOPHY WITH INTEGRATED STUDY IN PURE AND APPLIED CHEMISTRY**

1. This programme is delivered jointly by the University of Edinburgh and the University of Strathclyde, and the award is made in the name of both Universities. The Regulations are drawn up consequent upon a Memorandum of Agreement which has been approved by Senate.
2. The taught component of the programmes may be delivered at university campuses or at independent work sites but all classes are taught by staff from the two Universities.
3. The administering university is the University of Edinburgh. As outlined in the Memorandum of Agreement students shall be subject to the regulations of the University of the student's first supervisor.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### DOCTOR OF PHILOSOPHY PLUS POSTGRADUATE CERTIFICATE

#### Doctor of Philosophy for Research plus Postgraduate Certificate in Learning and Teaching in Higher Education

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply.

#### Credit Transfer and RPL

2. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), the Board of Study may grant exemption of up to twelve months of full-time study and an equivalent time in part-time study on the basis of professional experience and performance on an appropriate postgraduate Masters programme.

#### Mode of Study

3. The programme is available by full-time study.

#### Place of Study

4. The doctoral research project may take place within University of Strathclyde or at the place of employment approved by the Board of Study.
5. The postgraduate certificate and doctoral research will normally take place within the University of Strathclyde.

#### Curriculum

6. All students shall undertake an approved curriculum as follows:

In addition to their doctoral research students will undertake the following modules over their four years of study.

| Module Code | Module Title                                             | Level | Credits |
|-------------|----------------------------------------------------------|-------|---------|
| X9894       | Teaching, learning and assessment within the disciplines | 5     | 20      |
| X9895       | Course (re)design                                        | 5     | 20      |
| X9898       | Supervising Post Graduate Research                       | 5     | 20      |

7. All students shall undertake a doctoral research project.

### **Examination, Progress and Final Assessment**

8. Candidates are required to pass all modules and to perform to the satisfaction of the Board of Examiners in the PG Certificate in Education.

### **Award**

9. **Degree of PhD plus PG Cert in Learning and Teaching in Higher Education:** In order to qualify for the award of the degree of Doctor of Philosophy, a candidate must have performed to the satisfaction of the Examining Committee as defined in the [General Academic Regulations - Postgraduate Research Degree Regulations](#) and have been awarded the 60 credits for the PG Certificate in Learning and Teaching in Higher Education.
10. These modules are taken in addition to those associated with the Researcher Professional Development programme.

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### PHARMACY

#### Doctor of Pharmacy

*For regulations relating to admissions, duration of study, examinations, progress, final assessment, award and research elements of this degree, please refer to the [General Academic Regulations - Postgraduate Research Degree Regulations](#).*

*For regulations relating to taught (compulsory/optional) modules, please refer to the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. The [General Academic Regulations - Postgraduate Research Degree Regulations](#) shall apply. In addition, applicants are required to be registered as practising pharmacists in the UK, EU (including EEA countries) or from countries outside the EU recognised by Senate as meeting the current entry requirements of the MSc/MRes in Clinical Pharmacy.

#### Credit Transfer and RPL

2. Notwithstanding the [General Academic Regulations - Postgraduate Research Degree Regulations](#), the Board of Study may grant exemption of up to twelve months of full-time study and an equivalent time in part-time study on the basis of professional experience and performance on an appropriate postgraduate Masters programme.

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Place of Study

4. The doctoral research project may take place within Strathclyde or at the place of employment approved by the Board of Study.

#### Curriculum

5. All students shall undertake an approved curriculum as follows:

#### First Year

#### Compulsory Modules

| Module Code | Module Title      | Level | Credits |
|-------------|-------------------|-------|---------|
| MP932       | Clinical Skills   | 5     | 60      |
| MP933       | Research Skills   | 5     | 60      |
| MP934       | Literature Review | 5     | 60      |

#### Second, Third and Fourth Years

All students shall undertake a doctoral research project.

### **Examination, Progress and Final Assessment**

6. Candidates are required to pass modules and to perform to the satisfaction of the Board of Examiners in the taught component of the programme.
7. Candidates who fail to satisfy the Board of Examiners in any taught module shall be permitted one further attempt to pass the relevant module(s) normally in the same academic year. The Board of Examiners will determine whether the re-sit should take the form of an examination or an assignment.
8. Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project. In addition, a candidate must perform satisfactorily before an Examining Committee in an oral examination based on a piece of original research submitted to the University of Strathclyde as specified in the [General Academic Regulations - Postgraduate Research Degree Regulations](#).

### **Award**

9. Degree of **DPharm**: In order to qualify for the award of the degree of Doctor of Pharmacy, a candidate must have performed to the satisfaction of the Examining Committee and must have accumulated no fewer than 180 credits from the first year of study.
10. Degree of **MPhil**: a candidate who fails to satisfy the award requirements for the award of DPharm may be eligible for the award of Master of Philosophy (MPhil), see General Academic Regulations - [Postgraduate Research Degree Regulations](#)