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|  | General and Programme Regulations for Graduate and Postgraduate Awards and Degrees 2021-22 |
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[Master of Research in Toxicology](#329_Pharmaceutical_Sciences)

#### [Doctor of Pharmacy](#330_Pharmacy)

**Postgraduate Study**

**General Regulations for Taught Masters Degrees, Postgraduate Diplomas and Postgraduate Certificates**

# LIST OF AWARDS

1. The University confers the following awards by the authority of the Senate under [Ordinance 3](https://www.strath.ac.uk/whystrathclyde/universitygovernance/charterstatutes/)**:**
2. Master in Management (MiM)
3. Master of Architecture (MArch)
4. Master of Arts (MA)
5. Master of Business Administration (MBA)
6. Master of Communications Management (MCM)
7. Master of Education (MEd)
8. Master of Environmental Studies (MEnvS)
9. Master of Laws (LLM)
10. Master of Letters (MLitt)
11. Master of Science (MSc)
12. Master of Technology Management (MTM)
13. Postgraduate Diploma (PgDip)
14. Postgraduate Certificate (PgCert)

# CONTEXT

1. In interpreting these General Academic Regulations, regard should be given to the University’s [Academic Policies and Procedures](https://www.strath.ac.uk/staff/policies/academic/) and, where appropriate, Programme Handbooks.
2. Students should also read these General Academic Regulations in conjunction with the University’s [Constitutional Regulations](https://www.strath.ac.uk/whystrathclyde/universitygovernance/)which set out specific requirements for individual programmes of study.
3. 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.
4. 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.
5. Senate delegates authority to Boards of Examiners to make decisions on student outcomes.
6. 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*

1. 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)*

1. 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**

1. The University’s [Admissions Policy](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Admissions_Policy_-_March_2019.pdf) 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.

## 

## Recognition of Prior Learning

1. 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.
2. 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.
3. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_on_the_Recognition_of_Prior_Learning_and_Credit_Transfer.pdf) for further information.

## Period of Study

1. 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 | 8 | 24 |
| Postgraduate Diploma | 8 | 24 | 12 | 48 |
| Master’s | 12 | 36 | 18 | 60 |

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

## Mode of Study

1. 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.
2. At the discretion of the relevant Board of Study, on the recommendation of the relevant Head of Department/School (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.
3. 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

1. 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.
2. A student may undertake part of their study in an [approved institution abroad](https://www.strath.ac.uk/studywithus/studyabroad/goingabroad/), according to an approved curriculum. Normally only one such study period is permitted.

## Registration Status

1. 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

1. Every student registered for a programme of study shall be required to engage in required elements regularly and to perform to a satisfactory standard.
2. 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.
3. 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.
4. 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

1. It is important that the nature of assessment is fully communicated to students via a range of materials.
2. 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.
3. 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.
4. 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.
5. Taught modules shall be assessed by a range of methods of summative assessment:
6. The[University Assessment and Feedback Policy](https://www.strath.ac.uk/sees/studentpolicies/policies/assessmentfeedbackandexternalexaminers/assessmentandfeedbackpolicy/) sets guidelines applicable to both undergraduate and postgraduate programmes.
7. 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 final mark will be based solely on the student’s first attempt at the assessment, usually by resit marks being capped at a prescribed limit.
8. 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.
9. 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.
10. 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.
11. 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.
12. A student who satisfies the attendance and performance requirements of a module shall normally be permitted a further attempt at passing the module, as well as a maximum of two additional attempts at the discretion of the Board of Examiners. The Board of Examiners may additionally require a student to re-attend a module.
13. 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

1. 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.
2. 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.
3. 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

1. The curriculum of every programme shall compromise compulsory, optional and/or elective modules.
2. 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.
3. Individual modules shall be assigned a level based on expected learning outcomes and a credit rating based on the volume of learning required.
4. The curriculum of every student must be approved by the relevant Head of Department/School (or their nominee), or equivalent, acting on behalf of the relevant Board of Study.
5. Where a pass in a particular module is a necessary condition for progression or for an award, this shall be clearly stated in the relevant Programme Regulations.
6. Programme delivery, materials, assessed work and oral examinations shall be in English unless stated otherwise in individual Programme Regulations.

## Selecting Optional Modules

1. The curriculum for a programme shall be set out in the Programme Regulations and shall indicate which modules are compulsory and which are optional.
2. Where a pass in a particular module is a necessary condition for progress or for an award, this shall be clearly stated in the relevant Programme Regulations.
3. Where unlisted optional modules may be chosen as part of the curriculum, the approval of the Head of Department/School (or their nominee) responsible for offering each module is also required.
4. 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

1. 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**

|  |  |  |
| --- | --- | --- |
| **Award** | **Credit Requirements** | **Minimum Level Requirement** |
| 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 |

1. For a typical student, one credit equates to approximately 10 notional hours of learning.
2. 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

1. 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.
2. In certain circumstances, for example to meet professional accreditation requirements, the credit requirement may exceed the standard framework.

## Award of Credits

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

## Progression

1. 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.
2. 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.
3. Progress requirements for a programme available on a part-time basis shall be detailed in individual Programme Regulations.
4. Credits in particular modules required for progress shall be detailed in individual Programme Regulations.
5. 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.
6. A full-time Master’s student may be required to accumulate a minimum of 90 taught credits in order to to progress to the next stage of their programme.
7. 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.
8. Exceptionally, a student on a taught Master’s degree programme, who fails to satisfy the Board of Examiners, may be permitted to revise and re-submit their dissertation. 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.
9. A student may be subject to a restriction in the number of modules that may be re-assessed.
10. For progressing students, the relevant Board of Examiners shall award Merit or Distinction as follows:
11. Merit will be applied where a student has achieved a credit-weighted average of 60% - 69% in their first attempt, having passed all examinations either as clear passes or by compensation.
12. Distinction will be applied where a student has achieved a credit-weighted average of 70% or more in their first attempt, having passed all examinations either as clear passes or by compensation.

## Compensation Scheme

1. Where a student has failed to attain the pass mark in a module they may, in specific circumstances, pass. Subject to prior approval of the Senate, a Board of Study may permit a Board of Examiners to apply [compensation procedures](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/compensation_scheme_-_Effective_Sep_14.pdf) according to prescribed criteria. In such cases, the criteria shall be detailed in the Programme Handbooks.
2. For the avoidance of doubt, a pass by compensation shall be regarded as a pass.

## Restricted Examination Attendance

1. ‘Restricted Examination Attendance’ is referred to as NQ (Not Qualified) in some Faculties.
2. 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.
3. 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/School 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.
4. 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.
5. The Board of Examiners may discount an attempt for a module where appropriate [medical or other evidence](https://www.strath.ac.uk/sees/studentpolicies/policies/attendance/absenceandvoluntarysuspension/) has been provided, subject to report to the relevant Board of Study.

# CHANGES TO REGISTRATION STATUS

## Transfer of Registration

1. On the recommendation of the relevant Head of Department/School (or their nominee), the Board of Study may approve transfer of a student’s registration between:
2. Masters degree; or
3. Postgraduate Diploma; or
4. Postgraduate Certificate

as appropriate, subject to a related programme being available.

1. 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.
2. 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:
3. permit registration to be transferred to Postgraduate Diploma or

Postgraduate Certificate programme by instruction (as appropriate), subject to a related programme being available; or

1. recommend the award of such a Postgraduate Diploma or Postgraduate Certificate (as appropriate).
2. 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:
3. require that registration be transferred to Postgraduate Diploma or Postgraduate Certificate programme by instruction (as appropriate), subject to a related programme being available; or
4. 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
5. recommend the award of such a Postgraduate Diploma or Postgraduate Certificate (as appropriate); or
6. terminate the student’s registration and require the student to withdraw.
7. On the recommendation of the relevant Head of Department/School (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

1. On the recommendation of the relevant Head of Department/School (or their nominee), the relevant Vice Dean Academic (or nominee) may permit a student to undertake [Voluntary Suspension](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Voluntary_Suspension_guidelines_May_2019_approved.pdf) for the whole or part of an academic year.
2. On the recommendation of the relevant Head of Department/School (or their nominee), the relevant Vice Dean (Academic) or nominee may determine that a student undertakes a period of Academic Suspension.
3. Both Voluntary Suspension and Academic Suspension have implications for visa holding students.

## Registration with Attendance

1. Registration with Attendance is 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

1. 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

1. The [Student Discipline Procedure](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.strath.ac.uk%2Fmedia%2Fps%2Fstrategyandpolicy%2FStudent_Discipline_Procedure.pdf&data=02%7C01%7C%7C760a5f435792457d44df08d7f6592035%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C637248734956216719&sdata=VfZYkKdVZ4Q5iz5aHNt2C8SpBposoHBM%2FBf%2Brz2uMng%3D&reserved=0) seeks 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](https://www.strath.ac.uk/whystrathclyde/universitygovernance/charterstatutes/). 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

1. A student may be required to withdraw from a programme as a consequence of [unprofessional conduct](https://www.strath.ac.uk/sees/studentpolicies/policies/appealscomplaintsdiscipline/academicdishonestyguidance/). Such a decision would be taken by a [Fitness to Practise](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/FtP_Policy_and_Procedures_2019_approved_by_Senate_for_Web.pdf)hearing on behalf of Senate.

## Withdrawal

1. 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.
2. 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:
3. a significant and persistent failure to attend or engage with programme requirements has been confirmed by the appropriate Department/School or Programme; and
4. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/PersCircs_AcademicAppeals_Updated_July2020_FINAL.pdf).
5. The Vice Dean (Academic) or nominee will report such a decision to the next scheduled meeting of a Board of Study.
6. 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

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

# OUTCOMES

## Board of Examiners

1. The [Board of Examiners](https://www.strath.ac.uk/sees/educationenhancement/qualityassurance/externalexaminingoftaughtcourses/) 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/School.
2. The Board of Examiners, acting on behalf of Senate, shall ratify one of the following:
3. award of the appropriate degree, diploma or certificate with distinction; or
4. award of the appropriate degree, diploma or certificate with merit; or
5. award of the appropriate degree, diploma or certificate; or
6. progress to subsequent stages of the programme; or
7. withholding of the award of the degree or other qualification pending further study or submission/resubmission of assignments.

## Award

1. A student who satisfies the conditions of the [Ordinances](https://www.strath.ac.uk/whystrathclyde/universitygovernance/charterstatutes/) 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.
2. 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 51) 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.
3. 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.
4. 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

1. The Board of Examiners, acting on behalf of Senate, shall ratify one of the following:
2. award of the appropriate degree, diploma or certificate with distinction; or
3. award of the appropriate degree, diploma or certificate with merit; or
4. award of the appropriate degree, diploma or certificate; or
5. progress to subsequent stages of the programme; or
6. withholding of the award of the degree or other qualification pending further study or submission/resubmission of assignments; or
7. transfer or termination of registration.
8. In reaching their decision, Boards of Examiners shall have regard to a student’s performance against approved criteria and consider the composite mark against the following general framework:

**Table 3**

|  |  |
| --- | --- |
| **Classification** | **Composite Mark** |
| Distinction | 70 -100 |
| Merit | 60 – 69 |
| Award | 50 – 59 |

## Appeals

1. The following Appeals Regulations should be read in conjunction with the University’s [Personal Circumstances and Academic Appeals Procedure](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/PersCircs_AcademicAppeals_Updated_July2020_FINAL.pdf).
2. A student who has been:
3. required to transfer registration; or
4. suspended from attendance at modules; or
5. withdrawn

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

1. 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.
2. The grounds for appeals may be any of the following:
3. 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
4. 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
5. that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.
6. 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.
7. The appeal shall be supported by appropriate documentary evidence not previously available.
8. 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 Head of Governance, Management and Policy Team within six weeks of the date on the Faculty Appeal outcome letter and shall be supported by all the appropriate documentary evidence.
9. 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

1. 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 procedure](https://www.strath.ac.uk/contactus/complaintsprocedure/)

**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:
   1. possess an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, normally at 2.2 or equivalent.; or
   2. an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, and a period of relevant professional practice experience.
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Graduate Diploma no fewer than 120 credits from the first year of the programme.
   2. for the Postgraduate Certificate no fewer than 60 credits from the second year of the programme.
   3. for the Postgraduate Diploma no fewer than 120 credits from the second year of the programme.
   4. for the degree of MArch no fewer than 180 credits including a project from the second year of the programme.

**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 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 totaling 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. The final assessment will be based on performance in the first attempt examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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 curriculum, including all the second year compulsory modules.
3. **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 year curriculum.
4. **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:
   1. possess an Honours degree in Architecture of a university in the United Kingdom; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the list below
   2. for the Postgraduate Diploma no fewer than 120 credits including those for all modules in the list below
   3. for the degree of MSc no fewer than 180 credits including those for all modules in the list 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 History | 5 | 10 |
| AB939 | Urban Theory | 5 | 10 |
| AB943 | Real Estate Development | 5 | 10 |
| AB946 | Urban Design Policy and Practice | 5 | 10 |
| AB975 | Sustainability | 5 | 10 |
| AB930 | Construction Project Management | 5 | 10 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Dissertation Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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**

**ARCHITECTUREAL 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:
   1. an Honours degree in Architecture of a university in the United Kingdom; or
   2. 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

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

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Graduate Diploma no fewer than 120 credits
   2. for the Postgraduate Certificate no fewer than 180 credits
   3. for the Postgraduate Diploma no fewer than 240 credits
   4. for the degree of MArch no fewer than 300 credits including a project

**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 | 20 |
| AB420 | Cultural Studies 4 | 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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. 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.
4. The final assessment will be based on performance in the examinations, coursework, the Project where undertaken.

#### Award

1. **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 normally have accumulated no fewer than 300 credits, of which 60 must have been awarded in respect of the Project 22900.
2. **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 240 credits including all the second year compulsory modules.
3. **Postgraduate Certificate:** In order to qualify for the award of the Graduate Certificate in Architectural Design (International) a candidate must normally have accumulated no fewer 180 credits from the programme curriculum.
4. **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 programme 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Diploma no fewer than 240 credits
   2. for the Postgraduate Certificate no fewer than 180 credits
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. From the total first year credits, 100 must have been gained at the first assessed attempt.
4. 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.
5. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. possess 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits, including all compulsory modules
   3. 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** |
| AB938 | Urban Design Representation | 5 | 10 |
| EF931 | Project Management | 5 | 10 |
| AB980 | Legislation and Regulations | 5 | 10 |
| AB988 | Cultural Behavioural Factors Architecture and Urbanism | 5 | 10 |
| EC937 | City Systems and Infrastructure | 5 | 10 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and AB947, the Dissertation Project, where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project
2. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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:

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

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project
2. 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 |
| 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits of which no fewer than 20 shall be derived from a dissertation
   3. for the degree of MSc no fewer than 180 credits including a project
2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and the coursework.

#### Award

1. **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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits including the compulsory modules
   3. 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 |
| 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: | | | |
| 94900 | Project | 5 | 60 |

**Optional Modules**

No fewer than 40 credits chosen from the list below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 94905 | Prosthetic Studies | 5 | 20 |
| 94927 | Clinical Governance | 5 | 20 |
| 94928 | Introductory Biomechanics | 5 | 20 |
| 94929 | Lower Limb Prosthetic Biomechanics | 5 | 20 |
| 94936 | Clinical Gait Analysis | 5 | 20 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in the chosen programme, 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.
2. **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 taught modules of the programme.
3. **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 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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits including the compulsory modules
   3. 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 |
| 94937 | Advanced Prosthetic Science | 5 | 20 |
| 94935 | Advanced Orthotic Science | 5 | 20 |
| Students for the degree of MSc only: | | | |
| 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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in the chosen programme, 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.
2. **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 taught modules of the programme.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project
2. 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 |
| 94510 | Orthotic Management of Diabetes Mellitus B | 5 | 20 |
| BE931 | Hip, Knee and Ankle Disarticulation B | 5 | 20 |
| BE932 | Clinical Governance B | 5 | 20 |
| BE506 | Wheelchairs and Seating 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Prosthetics and/or 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.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Prosthetics and/or Orthotics, a candidate must normally have accumulated no fewer than 120 credits.
3. **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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits including the compulsory modules
   3. 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 |
| 94937 | Advanced Prosthetic Science | 5 | 20 |
| 94929 | Lower Limb Prosthetic Biomechanics | 5 | 20 |
| Students for the degree of MSc only: | | | |
| 94900 | Project | 5 | 60 |

**Optional Modules**

No fewer than 40 credits chosen from the list below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 94904 | Orthotic Studies | 5 | 20 |
| 94927 | Clinical Governance | 5 | 20 |
| 94928 | Introductory Biomechanics | 5 | 20 |
| 94930 | Lower Limb Orthotic Biomechanics | 5 | 20 |
| 94936 | Clinical Gait Analysis | 5 | 20 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in the chosen programme, 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.
2. **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 taught modules of the programme.
3. **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 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

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

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits including the compulsory modules
   3. 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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in the chosen programme, 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.
2. **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 taught modules of the programme.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CP959 | Advanced Process Design | 5 | 10 |
| CP967 | Project Scoping | 5 | 20 |
| Students for the degree of MSc only: | | | |
| CP949 | Individual Project | 5 | 60 |

**Optional Modules**

No fewer than 80 credits including 50 credits chosen from either List A or B and 10 credits from List C.

**MSc students** must choose a minimum of 30 credits from List A, 20 credits from List B and 10 credits from List C.

List A\*

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| CP516 | Emerging Technologies | 5 | 10 |
| CP531 | Frontiers of Chemical Engineering | 5 | 10 |

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

List B

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CP530 | Safety Management Practices | 5 | 10 |
| CP529 | Programming and Optimisation | 5 | 10 |
| CP535 | Molecular and Interfacial Science | 5 | 10 |
| CP528 | Modern Methods of Process Measurement | 5 | 10 |

List C\*

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

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

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

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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 credits, of which 20 credits must be awarded for the Project Scoping CP967.
3. **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 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:
   1. 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
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above; and
   3. 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Mode of Study

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

#### Curriculum

1. **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) chosen from Lists A, B or C. The 120 credit taught curriculum must contain a minimum of 20 credits from List A and 20 credits from List B.
2. **MSc Chemical Technology and Management** students shall take all modules from the compulsory Chemical Technology and Business and Management lists, an approved curriculum (of 20 credits) chosen from Lists A, B or C.
3. **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 60 credits) chosen from Lists A, B or C. The 120 credit taught curriculum must contain a minimum of 20 credits from List A and 20 credits from List B.

**Compulsory Modules**

**Advanced Chemical and Process Engineering**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CP917 | Process Design Principles | 5 | 10 |
| CP918 | Safety Management Practices | 5 | 10 |
| CP919 | Programming and Optimisation | 5 | 10 |
| CP959 | Advanced Process Design | 5 | 10 |
| CP968 | Ethics, Sustainability and Environmental Engineering | 5 | 10 |
| CP933 | Project Management | 5 | 10 |

**Process Technology**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CP917 | Process Design Principles | 5 | 10 |
| CP959 | Advanced Process Design | 5 | 10 |
| CP968 | Ethics, Sustainability and Environmental Engineering | 5 | 10 |
| CP964 | Process Analysis in Chemical Engineering | 5 | 20 |

**Chemical Technology**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CP917 | Process Design Principles | 5 | 10 |
| CH917 | Analytical techniques for industry | 5 | 30 |
| CH918 | Multivariate Analysis and Process Analysis for Industry | 5 | 10 |
| CP968 | Ethics, Sustainability and Environmental Engineering | 5 | 10 |

**Business and Management**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| CP968 | Ethics, Sustainability and Environmental Engineering | 5 | 10 |

**List B**

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

**List C**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CP921 | Emerging Technologies | 5 | 10 |
| CP925 | Petrochemical Engineering | 5 | 10 |
| CP926 | Multi-Phase Processing | 5 | 10 |
| CP932 | Managing People | 5 | 10 |
| CP950 | Modern Process Measurements | 5 | 10 |
| CP953 | Membrane Technology | 5 | 10 |
| CP930 | Management of Technological Innovation | 5 | 10 |
| CP950 | Modern Process Measurements | 5 | 10 |
| ME948 | Hydraulics | 5 | 10 |
| ME950 | Boiler Thermal Hydraulics | 5 | 10 |
| ME945 | Introduction to Open Source CFD | 5 | 10 |
| CH917 | Analytical techniques for industry | 5 | 30 |
| CH918 | Multivariate Analysis and Process Analysis for Industry | 5 | 10 |
| CP959 | Advanced Process Design | 5 | 10 |

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 reprepents 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 for breadth and depth.

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

#### Examination, Progress and Final Assessment

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in the examinations, coursework, the Project where undertaken .

#### Award

1. **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.

1. **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.
2. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Place of Study

1. 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

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project CP949.

#### Award

1. **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.
2. **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.
3. **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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

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

**Compulsory Modules – all streams**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL986 | Qualitative and Quantitative Research Methods | 5 | 10 |
| OR | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| CL997 | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
| CL519 | Group Design Project B | 5 | 20 |
| OR | | | |
| CL9XX | 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 (below).

#### MSc Civil Engineering with Geotechnical Engineering & Project Management Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL507 | Ground Improvement and Reinforcement | 5 | 10 |
| CL917 | Slopes and Walls | 5 | 10 |
| CL923 | Rock Mechanics, Tunnelling and Groundwater | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| EF931 | Project Management | 5 | 10 |

**Optional Modules**

20 credits from list A plus 30 credits from List A or B (below).

#### MSc Civil Engineering with Geoenvironmental Engineering & Project Management Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 (below).

#### MSc Civil Engineering with Water Engineering & Project Management Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 (below).

#### List A

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| CL917 | Slopes and Walls | 5 | 10 |
| CL923 | Rock Mechanics, Tunnelling and Groundwater | 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 |
| CL919 | Urban Water Supply and Drainage Systems | 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 |
| Either | | | |
| AB993 | Construction Management | 5 | 10 |
| Or | | | |
| AB991 | Building Information Management | 5 | 10 |
| Either | | | |
| AB995 | Facilities Management | 5 | 10 |
| Or | | | |
| AB996 | ICT integrated in AEC | 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 |
| CL955 | Environmental Management Systems | 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 |
| EC937 | City Systems and Infrastructure | 5 | 10 |
| CL913 | Public Health Studies | 5 | 10 |
| CL994 | Circular economy and transformations towards sustainability | 5 | 10 |
| HR965 | Work, Wellbeing and New Technologies | 5 | 10 |
| EF930 | Information Management | 5 | 10 |
| CL9XX | Independent Research Study (Semester 1) | 5 | 10 |
| OR | | | |
| CL9XX | 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 this list will be available in each academic year.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the CL980 project where undertaken.

#### Award

1. **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.
2. For the degrees 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 attained the appropriate combination of compulsory and optional credits stipulated in the curriculum above.
3. **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.
4. **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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available full-time and part-time flexibly via on campus study (Open Access) or off campus (Distance Learning).

#### Place of Study

1. As permitted by the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required. Study by Flexible Learning options will require off-campus arrangements of distance learning.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |

|  |  |  |  |
| --- | --- | --- | --- |
| CL906 | Site Investigation and Risk Assessment | 5 | 10 |
| CL948 | Principles of Environmental Microbiology | 5 | 10 |
| CL990 | Environmental Geochemistry | 5 | 10 |
| Either (usually for those starting their studies in September) | | | |
| CL986 | Qualitative and Quantitative Research Methods | 5 | 10 |
| Or (usually for those via Distance Learning) | | | |
| CL939 | Principles of research methodology and research design | 5 | 10 |
| Or (usually for those starting their studies in January) | | | |
| CL997 | Research Methods for Quantitative and Qualitative Approaches | 5 | 10 |
| Students for the degree of MSc only: | | | |
| CL944 | Project in Environmental Engineering | 6 | 60 |

**Optional Modules**

No fewer than 70 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| CL970 | Environmental Pollution Management | 5 | 10 |
| CL971 | Air Pollution, Climate Change & Human Health | 5 | 10 |
| CL973 | Independent Study in Collaboration with Industry | 5 | 10 |
| CL978 | Water & Wastewater Treatment Design | 5 | 10 |
| CL919 | Urban Water Supply and Drainage Systems | 5 | 10 |
| L2967 | City Systems and Infrastructure | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| EF929 | Financial Engineering | 5 | 10 |
| EV908 | Pollution and Rehabilitation of Degraded Ecosystems | 5 | 10 |
| EV921 | Water and Environmental Management | 5 | 10 |
| M9850 | International Environmental Law | 5 | 10 |
| HR965 | Work, Wellbeing and New Technologies | 5 | 10 |
| CL965 | Science, Technology and Innovation Policy | 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 |
| NM833 | Marine Renewable 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 |

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the project, where undertaken.

#### Award

1. **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 CL944.
2. **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.
3. **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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Place of Study

1. As permitted by the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL986 | Qualitative and Quantitative Research Methods | 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: | | | |
| CL930 | Project in Environmental Entrepreneurship | 5 | 60 |

**Optional Modules**

No fewer than 70 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| EC956 | International Development | 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 |
| HR965 | Work, Wellbeing and New Technologies | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the project where undertaken.

#### Award

1. **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 CL930, Project in Environmental Entrepreneurship.
2. **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.
3. **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 ENVIRONMENTAL HEALTH**

#### Master of Science in Environmental Health

**Postgraduate Diploma in Environmental Health Postgraduate Certificate in Environmental 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available full-time and part-time flexibly via on campus study (Open Access) or off campus (Distance Learning).

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits chosen from the list of compulsory modules
   2. for the Postgraduate Diploma no fewer than 120 credits - 110 credits of compulsory modules and 10 credits of optional modules
   3. for the degree of MSc no fewer than 180 credits - 110 credits of compulsory modules, 10 credits of optional modules, and a 60 credits project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 16468 | Acoustics | 4 | 10 |
| CL414 | Meat Hygiene and Inspection | 4 | 10 |
| CL904 | Waste Management and Landfill Design | 5 | 10 |
| CL908 | Food Inspection and Control | 5 | 10 |
| CL909 | Food Safety and Hygiene | 5 | 10 |
| CL911 | Introduction to Health & Safety | 5 | 10 |
| CL912 | Occupational Health and Toxicology | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| CL913 | Public Health Studies | 5 | 10 |
| CL914 | Infection and Vector Control | 5 | 10 |
| CL969 | Contaminated Land Management | 5 | 10 |
| CL971 | Air Pollution, Climate Change & Human Health | 5 | 10 |
| **Students for the degree of MSc only**: | | | |
| 17900 | Project | 5 | 60 |

**Optional Modules**

No fewer than 10 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL905 | Research Methodology & Techniques | 5 | 10 |
| CL906 | Site Investigation and Risk Assessment | 5 | 10 |
| CL910 | Housing Policy and Law | 5 | 10 |
| CL916 | Environmental Impact & Assessment | 5 | 10 |
| CL931 | Research Protocols for Science & Engineering | 5 | 10 |
| CL947 | Climate Change Mitigation and Adaptation | 5 | 10 |
| CL948 | Principles of Environmental Microbiology | 5 | 10 |
| EV921 | Water and Environmental Management | 5 | 10 |
| CL970 | Environmental Pollution Management | 5 | 10 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Environmental Health, a candidate must have accumulated no fewer than 180 credits from the programme curriculum and a 60 credits Project 17900.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Environmental Health, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Environmental Health, 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 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

Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, applicants shall possess:

* 1. 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
  2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above.

1. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence.

#### Duration of Study

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level, shall apply.

#### Mode of Study

1. The programmes are available full-time and part-time flexibly via on campus study (Open Access) or off campus (Distance Learning).

#### Place of Study

1. As permitted by the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required. Study by Flexible Learning options will require off-campus arrangements of distance learning.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a dissertation

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL906 | Site Investigation and Risk Assessment | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Either | | | |
| CL986 | Qualitative and Quantitative Research Methods | 5 | 10 |
| Or | | | |
| CL939 | Principles of research methodology and research design | 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 |
| CL990 | Environmental Geochemistry | 5 | 10 |
| **Students for the degree of MSc only** | | | |
| CL953 | Dissertation in Hydrogeology | 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 |
| CL984 | VIP Water and Sanitation Hygiene (WASH) Sem 1 | 5 | 10 |
| CL985 | VIP Water and Sanitation Hygiene (WASH) Sem 2 | 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. Please check your programme handbook for confirmation of which optional modules will run.

#### Examination, Progress and Final Assessment

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in the examinations, coursework and, the Dissertation where undertaken.

#### Award

1. **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 CL953.
2. **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.
3. **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 possess:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available full-time and part-time flexibly via on campus study (Open Access) or off campus (Distance Learning).

#### Curriculum

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, all students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Either | | | |
| CL986 | Qualitative and Quantitative Research Methods | 5 | 10 |
| Or | | | |
| CL939 | Principles of research methodology and research design | 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: | | | |
| EV900 | Project | 5 | 60 |

**Optional Modules**

No fewer than 90 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL970 | Environmental Pollution Management | 5 | 10 |
| CL971 | Air Pollution, Climate Change & Human Health | 5 | 10 |
| CL904 | Waste Management and Landfill Design | 5 | 10 |
| CL948 | Principles of Environmental Microbiology | 5 | 10 |
| CL961 | Geographical Information Systems | 5 | 10 |
| CL990 | Environmental Geochemistry | 5 | 10 |
| CL913 | Public Health Studies | 5 | 10 |
| CL960 | Fundamentals of Environmental Forensics | 5 | 10 |
| CL948 | Principles of Environmental Microbiology | 5 | 10 |
| Either | | | |
| EC928 | Energy Economics | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Or | | | |
| EC960 | Energy Economics | 5 | 10 |
| EV908 | Pollution and Rehabilitation of Degraded Ecosystems | 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 |
| CL973 | Independent Study in Collaboration with Industry | 5 | 10 |
| M9850 | International Environmental Law | 5 | 10 |
| Either | | | |
| EC927 | Environmental Economics | 5 | 10 |
| Or | | | |
| EC959 | Environmental Economics | 5 | 10 |
| L2967 | City Systems and Infrastructure | 5 | 10 |
| Either | | | |
| EC956 | International Development | 5 | 10 |
| Or | | | |
| EC957 | International Development | 5 | 10 |
| Either | | | |
| EC915 | Games of Strategy | 5 | 10 |
| Or | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| EC958 | Games of Strategy | 5 | 10 |
| HR965 | Work, Wellbeing and New Technologies | 5 | 10 |
| EF929 | Financial Engineering | 5 | 10 |
| Z1976 | Social Entrepreneurship | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **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 credits Project EV900.
2. **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.
3. **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 ADVANCED MANUFACTURING: FORGING AND FORMING**

**Master of Science in Advanced Manufacturing: Technology and Systems**

**Master of Science in Advanced Manufacturing: Forging and Forming Postgraduate Diploma in Advanced Manufacturing**

**Postgraduate Certificate in Advanced 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.
2. Students for the MSc in Advanced Manufacturing: Forging and Forming will normally be admitted in the first instance to the EngD in Advanced Manufacturing: Forging and Forming

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits chosen from List A,
   2. for the Postgraduate Diploma no fewer than 120 credits including all the Compulsory Modules, and
   3. for the degree of MSc no fewer than 180 credits including the Postgraduate Individual Project.
2. Students without appropriate background knowledge may be required, additionally, to undertake selected foundation modules.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM920 | Strategic Technology Management | 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 |

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

Together with modules appropriate to the chosen programme.

#### Advanced Manufacturing: Technology and Systems

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM931 | Postgraduate Group Project | 5 | 40 |

And 30 credits from the list of optional modules below.

#### Advanced Manufacturing: Forging and Forming

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BE919 | Research Methodology | 5 | 10 |

And 60 credits from the list of optional modules below.

**Optional Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM986 | Mechatronic Systems Design Techniques | 5 | 10 |
| DM927 | Strategic Supply Chain Management | 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 |
| EF931 | Project Management | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| DM923 | Product Modelling and Visualisation | 5 | 10 |
| DM933 | Engineering Risk Management | 5 | 10 |
| DM935 | Management of Total Quality and Continuous Improvement | 5 | 10 |
| EF945 | Knowledge and Information Management | 5 | 10 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken and, if required.

#### Award

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

**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:
   1. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits must be completed with at least 10 credits from the chosen specialism.
   2. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules and all the specialist modules from the chosen specialism.
   3. for the degree of MSc no fewer than 180 credits including all the compulsory modules and all the specialist from the chosen specialism, including a 10 credit option, plus the Postgraduate Individual Project DM932.
2. Students will have the option to study:
   1. Design Engineering; or
   2. Design Engineering with Sustainability; or
   3. Design Engineering with Advanced Product Development
3. Students are required to take all compulsory modules relevant to their chosen stream.

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

#### Design Engineering

30 credits from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AB975 | Sustainability | 5 | 10 |
| DM986 | Mechatronic Systems Design Techniques | 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 with Sustainability

30 credits from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AB975 | Sustainability | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| DM943 | Sustainability Product Design and Manufacturing | 5 | 10 |
| DM985 | Remanufacturing | 5 | 10 |

#### Design Engineering with Advanced Product Development

30 credits from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM986 | Mechatronic Systems Design Techniques | 5 | 10 |
| DM933 | Engineering Risk Management | 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 |
| DM926 | Supply Chain Operations | 5 | 10 |
| DM928 | Enterprise Resource Planning | 5 | 10 |
| DM933 | Engineering Risk Management | 5 | 10 |
| DM935 | Management of Total Quality and Continuous Improvement | 5 | 10 |
| DM941 | Fundamentals of Lean Six Sigma | 5 | 10 |
| DM942 | Manufacturing Automation | 5 | 10 |
| DM943 | Sustainable Product Design and Manufacturing | 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 |
| DM985 | Remanufacturing | 5 | 10 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Individual Project where undertaken.

#### Award

1. **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 all the specialist modules from the chosen specialist modules.
2. **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 specialism.
3. **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.
4. **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 specialism.

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. As permitted by the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including the DM932 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 |
| Students for the degree of MSc only: | | | |
| DM932 | Postgraduate Individual Project | 5 | 60 |

**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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules,
   2. for the Postgraduate Diploma no fewer than 120 credits from the lists of taught modules,
   3. for the degree of MSc no fewer than 180 credits including the DM932 project.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM926 | Supply Chain Operations | 5 | 10 |
| DM928 | Enterprise Resource Planning | 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 |
| DM981 | Management of Innovation | 5 | 10 |
| EF931 | Project Management | 5 | 10 |
| MS929 | Performance Measurement and Management | 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 10 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM918 | People, Organisation and Technology | 5 | 10 |
| DM927 | Strategic Supply Chain Management | 5 | 10 |
| DM945 | Systems Thinking and Modelling | 5 | 10 |
| MS924 | Spreadsheet Modelling and Demand | 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 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Postgraduate Individual Project where undertaken.

#### Award

1. **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 Postgraduate Individual Project DM932.
2. **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.
3. **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

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

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. 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

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

#### Curriculum

1. **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.

1. **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

1. 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.
2. 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.
3. 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.
4. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **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

1. 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

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

#### Curriculum

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework and, if required, in an oral examination.

#### Award

1. **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.
2. **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.

1

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

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. 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

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

#### Curriculum

1. **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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits (ECTS)** |
| 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.

1. **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

1. 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.
2. 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.
3. 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.
4. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **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

1. 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

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

#### Curriculum

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework.

#### Award

1. **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.
2. **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.

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**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught modules
   2. for the Postgraduate Diploma – no fewer than 120 credits from the lists of taught modules
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. 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.
2. 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.
3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. 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 |
| **Students for the degree of MSc**: | | | |
| DM932 | Postgraduate Individual Project | 5 | 60 |

**Optional Modules**

No fewer than 20 credits chosen from:

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level
2. The final assessment will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. The programmes will be available at locations which have agreements with the host department and at the University of Strathclyde. In all cases the modules will be taught by staff of the Faculty of Engineering.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules
   2. for the Postgraduate Diploma no fewer than 120 credits from the lists of taught modules
   3. for the degree of MSc no fewer than 180 credits including the DM932 project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM942 | Manufacturing Automation | 5 | 10 |
| DM986 | Mechatronic Systems Design Techniques | 5 | 10 |
| DM923 | Product Modelling and Visualisation | 5 | 10 |
| DM931 | Postgraduate Group Project | 5 | 40 |
| EF931 | Project Management | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| DM933 | Engineering Risk Management | 5 | 10 |
| **Students for the degree of MSc only**: | | | |
| 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 |
| EE972 | Control Principles | 5 | 20 |
| EE474 | Robotics: Systems and Control | 5 | 10 |
| DM945 | Systems Thinking and Modelling | 5 | 10 |

#### 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.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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**

**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:
   1. a first or second class Honours degree in a Design, Product Development,

Science, Technology or Engineering subject; or

* 1. a qualification deemed by the Programme Leader acting on behalf of the Senate to be equivalent to i. above.

1. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the list of taught modules
   2. for the Postgraduate Diploma no fewer than 120 credits from the list of taught modules
   3. 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 |
| **Students for the degree of MSc only**: | | | |
| DM932 | Postgraduate Individual Project | 5 | 60 |

**Optional Modules**

10 Optional Credits from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AB975 | Sustainability | 5 | 10 |
| DM918 | People, Organisation and Technology | 5 | 10 |
| DM920 | Strategic Technology Management | 5 | 10 |
| DM926 | Supply Chain Operations | 5 | 10 |
| DM927 | Strategic Supply Management | 5 | 10 |
| DM928 | Enterprise Resource Planning | 5 | 10 |
| DM933 | Engineering Risk Management | 5 | 10 |
| DM935 | Management of Total Quality and Continuous Improvement | 5 | 10 |
| DM941 | Fundamentals of Lean Six Sigma | 5 | 10 |
| DM943 | Sustainability Product Design | 5 | 10 |
| DM944 | Product Costing and Financial Management | 5 | 10 |
| DM945 | Systems Thinking and Modelling | 5 | 10 |
| DM948 | Advanced Material and Production Technology | 5 | 10 |
| DM949 | Design for Experiments for Process Optimisation | 5 | 10 |
| DM985 | Remanufacturing | 5 | 10 |
| DM986 | Mechatronic Systems Design Techniques | 5 | 10 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

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

#### Place of Study

1. The programmes are taught at the University of Strathclyde.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the list of taught modules
   2. for the Postgraduate Diploma no fewer than 120 credits list of taught modules
   3. for the degree of MSc no fewer than 180 credits including the DM932 project
2. 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM918 | People, Organisation and Technology | 5 | 10 |
| DM927 | Strategic Supply Chain Management | 5 | 10 |
| DM926 | Supply Chain Operations | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| DM928 | Enterprise Resource Planning | 5 | 10 |
| MS969 | Advanced Project Management | 5 | 10 |
| MS929 | Performance Measurement and Management | 5 | 10 |
| MS970 | Case Studies in Supply Chain Management | 5 | 20 |
| **Students for the degree of MSc only**: | | | |
| DM932 | Postgraduate Individual Project | 5 | 60 |

Together with modules appropriate to the chosen specialism:

**Logistics Management specialism**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM935 | Management of Total Quality and Continuous Improvement | 5 | 10 |
| DM982 | Lean and Green Logistics | 5 | 10 |
| MS924 | Spreadsheet Modelling and Demand Forecasting | 5 | 10 |

**Procurement Management specialism**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 specialism**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| DM941 | Fundamentals of Lean Six Sigma | 5 | 10 |
| DM944 | Product Costing and Financial Management | 5 | 10 |
| DM945 | Systems Thinking and Modelling | 5 | 10 |
| MS922 | Quantitative Business Analysis | 5 | 10 |
| MS926 | Business Simulation Methods | 5 | 10 |
| MS927 | Risk Analysis and Management | 5 | 10 |
| MS957 | Service Operations 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.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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**

**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:
   1. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
   2. a qualification deemed by the Programme Director acting on behalf of the Senate to be equivalent to (i) above; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
   2. a qualification deemed by the Programme Director acting on behalf of the Senate to be equivalent to (i) above; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. As permitted by the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Mode of Study

1. The programmes may be available by full-time study only.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the DM932 Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or second class Honours degree in an Engineering, Design, Product Development, Science or Technology subject; or
   2. a qualification deemed by the Programme Director acting on behalf of the Senate to be equivalent to (i) above; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Nature of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project.

**Compulsory Modules**

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Postgraduate Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. 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.
2. 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.
3. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

1. 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

1. 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

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

#### Curriculum

1. For the degree of MSc no fewer than 180 credits including a project.

#### Carnegie Mellon University

1. Year 1 if first enrolled at CMU, year 2 if first enrolled at Strathclyde.
2. 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**

1. 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)

1. Students progressing from CMU spend their second year at University of Strathclyde and select one of the following 180 credit specialisations titled as:
   1. MSc in Technology Ventures with Design Engineering
   2. MSc in Technology Ventures with Systems Engineering Management
   3. MSc in Technology Ventures with Digital Manufacturing.
2. 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.
3. Regulations for each of these options are included indexed individually under the University of Strathclyde regulations.

#### Examination, Progress and Final Assessment

1. 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.
2. 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.
3. 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.
4. The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

#### Award

1. **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.
2. **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

1. 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:
   1. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

*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:
   1. a first or second class Honours degree (in Electrical and Electronic Engineering or a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The normal duration of study will be for the degree of Master by full-time study – 24 months.

#### Mode of Study

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

#### Curriculum

All students shall undertake an approved curriculum as follows:

* 1. 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 |
| **Students for the degree of MSc only:** | | | |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| EE985 | Software Engineering | 5 | 20 |
| EE989 | Wind Turbine Technology | 5 | 20 |
| EE991 | 5G Communications Networks | 5 | 20 |
| EE806 | Offshore and Pan European Supergrids | 5 | 10 |
| 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. 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.
4. The final assessment will be based on performance in the examinations, coursework and the EE900 Project where undertaken.

#### Award

1. **Degree of MSc:** 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.
2. Students who fail to accumulate 240 credits over the programme duration will be transferred and considered for an award of MSc/Postgraduate Diploma in Electronic and Electrical Engineering or MSc/Postgraduate Diploma in Electrical Power and Energy Systems.

**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:
   1. 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
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the list of taught modules
   2. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
   3. for the degree of MSc no fewer than 180 credits including the EE998 project.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM996 | Intelligent Sensing, Reasoning, and Deep Learning | 5 | 20 |
| DM939 | Digital Manufacturing Concepts | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| DM942 | Manufacturing Automation | 5 | 10 |
| DM951 | Design for Industry 4 and Smart Products | 5 | 10 |
| DM986 | Mechatronic System Design Techniques | 5 | 10 |
| EE474 | Robotics and Control Systems | 5 | 20 |
| EE986 | Assignment and Professional Studies | 5 | 20 |
| **Students for the degree of MSc only**: | | | |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM920 | Strategic Technology Management | 5 | 10 |
| DM923 | Product Modelling and Visualisation | 5 | 10 |
| DM934 | Design Methods | 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 |
| 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 |

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE998 Project where undertaken.

#### Award

1. **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.
2. **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 programme curriculum.
3. **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 programme 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:
   1. a first or second class Honours degree (in Electrical and Electronic Engineering or a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules
   2. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
   3. 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**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EE990 | MSc Project | 5 | 60 |

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the list of taught compulsory modules
   2. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
   3. 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 |
| **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**

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| EE806 | Offshore and Pan European Supergrids | 5 | 10 |
| 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. Postgraduate Certificate – no fewer than 60 credits from the lists of taught modules,
   2. Postgraduate Diploma – no fewer than 120 credits including all the compulsory modules,
   3. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. a first or second class Honours degree (in Electrical or Electronic Engineering in a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent; or
   3. 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Mode of Study

1. The programme is available by full-time study only, starting every January.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
2. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules.
3. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules.
4. 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 |
| **Students for the degree of MSc only**: | | | |
| EE990 | MSc Project | 5 | 60 |

**Optional Modules**

All students shall select 40 credits from List A and 60 credits from List B:

**List A**: (January – May)

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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**: (September – December)

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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or second class Honours degree (in Electrical or Electronic Engineering in a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits.
   2. for the Postgraduate Diploma no fewer than 120 credits.
   3. 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 |
| **Students for the degree of MSc only**: | | | |
| EE990 | MSc Project | 5 | 60 |

**Optional Modules**

No fewer than 100 credits chosen from:

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 MANAGMENT**

#### 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:
   1. a suitable degree in science or engineering from a recognised institution; or
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
   3. 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

1. The maximum period of study is 2.5 years.

#### Mode of study

1. The programmes are available part-time only.

#### Place of Study

1. The programme is based in Hong Kong. It combines classroom-based (Hong Kong University of Science and Technology, HKUST) and distance learning (Strathclyde).

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| **MSc project** | | | |
| EE790 | MSc Project | 5 | 60 |

**Optional Modules**

No fewer than 40 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| EE708 | Asset Management and Condition Monitoring | 5 | 10 |
| EE703 | Power Utility Management – Business module | 5 | 10 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework together with the MSc project.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. a first or good second class Honours degree (in electronic, electrical, computer science or other science-related subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120
   3. 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 |
| **Students for the degree of MSc only:** | | | |
| 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:

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE997 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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 posseess:
   1. a suitable higher education degree from European universities in the field of engineering, geosciences, oceanography, mathematics, physics or environmental sciences; or
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
   3. 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

1. 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

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

#### Place of Study

1. 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

1. **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):

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits (ECTS/UoS)** |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits (ECTS/UoS)** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits (ECTS/UoS)** |
| 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):

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits (ECTS/UoS)** |
| 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. The final assessment will be based on performance in the examinations and coursework together with the MSc project.

#### Award

1. **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.

1. 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).
2. Students who do not qualify for the Degree of MSc may qualify for Postgraduate Certificate from University of Strathclyde as follows:
3. **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:
   1. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits.
   2. for the Postgraduate Diploma no fewer than 120 credits.
   3. 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 |
| EE806 | Offshore and Pan European Supergrids | 5 | 10 |
| EE818 | Data Analytics for Smart Grids | 5 | 10 |
| EE803 | Power Electronics for Transmission and Distribution | 5 | 10 |
| **Students for the degree of MSc only:** | | | |
| 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE819 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits.
   2. for the Postgraduate Diploma no fewer than 120 credits.
   3. 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 |
| **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**

All students shall undertake at least 40 credits from List A.

#### List A

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

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. 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:

* 1. Masters by part-time study 72 months elapsed time
  2. PG Diploma by part-time study 60 months elapsed time
  3. PG Certificate by part-time study 36 months elapsed time

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by part-time study only.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits as detailed below
   2. for the Postgraduate Diploma – no fewer than 120 credits as detailed below
   3. 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**

1. 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.
2. 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.
3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. 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**

#### 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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the modules in List A
   2. 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
   3. 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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EF931 | Project Engineering: Group Project | 5 | 30 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EF900 | Project | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 Architecture and Ecology**

**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

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

#### Programme Structure

1. The following distinct pathways are named postgraduate awards in Sustainable Engineering of the Faculty of Engineering:
   1. Advanced Construction Technologies and Building Information Management
   2. Architecture and Ecology
   3. Chemical Processing
   4. Marine Technology
   5. Offshore Renewable Energy
   6. Renewable Energy Systems and the Environment

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
2. for the Postgraduate Certificate no fewer than 60 credits including AB975 Sustainability
3. for the Postgraduate Diploma no fewer than 120 credits including AB975 Sustainability and EF936 Sustainable Engineering Group Project
4. 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 |

**Sustainable Engineering: Architecture and Ecology**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AB975 | Sustainability | 5 | 10 |
| AB987 | Arcology | 5 | 10 |
| AB979 | Architectural & Construction History | 5 | 10 |
| 22563 | Ecology, Sustainability and the Built Environment | 5 | 10 |
| ME927 | Energy Resources and Policy | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| AB936 | Urban Design History | 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**

All students shall undertake 20 credits from the Faculty-wide modules listed in section 5 below.

**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** |
| CP945 | Process Design Principles | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| CP959 | Advanced Process Design | 5 | 10 |

**List B**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CP846 | Petrochemical Engineering | 5 | 10 |
| CP940 | Emerging Technologies | 5 | 10 |
| CP942 | Safety Management Practices | 5 | 10 |
| CP943 | Programming and Optimisation | 5 | 10 |
| CP528 | Modern Methods of Process Measurement | 5 | 10 |
| CP523 | Molecular Simulation in Chemical Engineering | 5 | 10 |
| CP537 | Electrochemical Energy Devices | 5 | 10 |
| CP516 | Clean Combustion Technologies | 5 | 10 |
| CP537 | Molecular and Interfacial science | 5 | 10 |

**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

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

\*Exceptionally, the appropriate Programme Leader may approve the substitution of one of the pathway modules.

#### 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 the Faculty-wide modules listed in section 5 below.

1. **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 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the Individual Project where undertaken.

#### Award

1. **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.
2. **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 programme curriculum.
3. **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 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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| ME9XX | Advanced Materials Processing & Manufacturing | 5 | 10 |
| 16565 | Engineering Composites | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| ME931 | Industrial Metallurgy | 5 | 10 |
| Students for the degree of MSc only: | | | |
| EF900 | 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 |
| CP535 | Molecular and Interfacial Science, OR | 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 spread over two semesters by distance 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 will have the additional optional class:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| ME973 | Mechanical and Aerospace Engineering PGDip Dissertation | 5 | 20 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **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 EF900.
2. **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.
3. **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**

#### 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.*

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#### Admission

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, applicants shall possess:
   1. 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
   2. 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

1. The programmes are available by part-time online-learning only.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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** |
| EF900 | 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 |
| ME949 | Advanced Open-Source CFD | 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 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 Director.

#### Examination, Progress and Final Assessment

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level, shall apply.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Mechanical Engineering (Distance 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 EF900.
2. **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.
3. **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 MECHANICAL AND AEROSPACE ENGINEERING ADVANCED MECHANICAL ENGINEERING**

## Master of Science in Advanced Mechanical Engineering with Industrial Placement

*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:
   1. 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
   2. 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

1. The minimum period of study shall be 18 months.

## Mode of Study

1. This programme is available by full-time study only.

## Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 210 credits including the project and Industrial Placement

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EF900 | 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

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

No fewer than 80 credits from List B.

## List B

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 distance learning. A maximum of 30 credits spread over two semesters by distance learning 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project and Industrial Placement.

## Award

1. **Degree of MSc:** 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 EF900 project.

## Transfer

1. Students who fail to accumulate 210 credits over the programme duration will be transferred and considered for an award of MSc/Postgraduate Diploma or Certificate in an appropriate Mechanical Engineering programme described in the Regulations for Advanced Mechanical Engineering.

**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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including the project

**Compulsory Modules**

#### MSc in Advanced Mechanical Engineering

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 |
| ME9XX\*\* | Fundamentals of Aeronautical Engineering | 5 | 10 |
| Students for the degree of MSc only: | | | |
| EF900 | Project | 5 | 60 |

**Optional Modules**

All students must choose 90 credits of optional modules from Lists A or B. Including compulsory classes, 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: | | | |
| EF900 | Project | 5 | 60 |

**Optional Modules**

Students must choose 90 credits of optional modules from Lists A or B. Including compulsory classes, 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: | | | |
| EF900 | Project | 5 | 60 |

**Optional Modules**

Students must choose 90 credits of optional modules from Lists A or B. Including compulsory classes, 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: | | | |
| EF900 | Project | 5 | 60 |

**Optional Modules**

Students must choose 90 credits of optional modules from Lists A or B. Including compulsory classes, students must have taken no fewer than 30 credits from List A and no fewer than 80 credits from List B.

**Optional Modules**

#### 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** |
| 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 |
| ME9XX\*\* | 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 class:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| ME973 | Mechanical and Aerospace Engineering PGDip Dissertation | 5 | 20 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **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 EF 900.
2. 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.
3. **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.
4. **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 MECHANICAL AND AEROSPACE ENGINEERING SATELLITE APPLICATIONS**

#### Master of Science in Satellite Applications

**Master of Science in Satellite Applications with Data Science Postgraduate Diploma in Satellite Applications Postgraduate Certificate in Satellite Applications**

*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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CS989 | Big Data Fundamentals | 5 | 10 |
| ME955 | Introduction to Space Technologies for Satellite Applications | 5 | 10 |
| ME954 | Introduction to Satellite Applications | 5 | 10 |
| ME958 | Data Science for Satellite Applications | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| ME956 | Satellite Application Payloads | 5 | 10 |
| ME957 | Satellite Applications for Sustainable Development Goals | 5 | 10 |
| Z1931 | Entrepreneurship, Innovation, and Commercialisation | 5 | 10 |
| Z1938 | New Venture Planning | 5 | 10 |
| **Students for the degree of MSc only**: | | | |
| EF900 | Project | 5 | 60 |

#### MSc in Satellite Applications with Data Science

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CS978 | Legal Ethical and Professional Issues for the Information Society | 5 | 10 |
| CS985 | Machine Learning for Data Analytics | 5 | 20 |

**Optional Modules**

Modules, bringing taught credit total to 120 credits, to be chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AB975 | Sustainability | 5 | 10 |
| CS978 | Legal Ethical and Professional Issues for the Information Society | 5 | 10 |
| CS985 | Machine Learning for Data Analytics | 5 | 20 |
| EF927 | Design Management | 5 | 10 |
| EF929 | Financial Engineering | 5 | 10 |
| EF931 | Project Management | 5 | 10 |
| EF932 | Risk Management | 5 | 10 |
| EV939 | Environmental Impact Assessment | 5 | 10 |

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

Students for the Postgraduate Diploma only may choose the following additional optional module:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| ME973 | Mechanical and Aerospace Engineering PGDip Dissertation | 5 | 20 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Satellite Applications, 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.
2. For the degrees of MSc in Satellite Applications with Data Science the candidate must have attained the credits in the appropriate compulsory modules.
3. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Satellite Applications, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
4. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Satellite Applications, 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 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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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 |
| ME976 | Satellite Applications for Sustainable Development Goals | 5 | 20 |
| **Students for the degree of MSc only**: | | | |
| EF900 | Project | 5 | 60 |

**Optional Modules**

A minimum of 20 credits from the following:

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

Modules, bringing taught credit total to 120 credits, to be chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AB931 | Design Studio | 5 | 10 |
| AB935 | Urban Landscape Design | 5 | 10 |
| CL971 | Air pollution, Climate Change and Human Health | 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 |
| NM833 | Marine Renewable 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 class:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| ME973 | Mechanical and Aerospace Engineering PGDip Dissertation | 5 | 20 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **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 EF900.
2. **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.
3. **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**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as detailed below:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits, including NM839 Group Design Project
   3. 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** |
| NM946 | Inspection and Survey | 5 | 10 |
| NM845 | Shipping Economics and Market Sector Analysis | 5 | 10 |
| NM836 | Data Analysis for 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as detailed below:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits, including NM 964 MSc Group Project (40 credits)
   3. for the degree of MSc – no fewer than 180 credits, including NM965 Individual Project (60 credits)

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM996 | Intelligent Sensing, Reasoning and Deep Learning | 5 | 20 |
| NM836 | Data Analysis for Engineering | 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 |
| NM946 | Inspection and Survey | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as detailed below:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits, including NM964 Group Project
   3. for the degree of MSc no fewer than 180 credits, including NM965 Individual Project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| NM946 | Inspection and Survey | 5 | 10 |
| NM949 | Marine Transport and Economics | 5 | 10 |
| 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**

10 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EF931 | Project Management | 5 | 10 |
| EF932 | Risk Management | 5 | 10 |
| NM836 | Data Analysis for Engineering | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| NM946 | Inspection and Survey | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as detailed below.
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits, including the Compulsory Modules, together with NM839 Group Design Project (40 credits)
   3. 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 |

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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 Desgin Project and 60 from the Individual Project.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits including a group project
   3. for the degree of MSc no fewer than 180 credits including an individual
   4. project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| NM967 | Reliability-Based Structural Design and Plated Structures | 5 | 10 |
| NM958 | Risers and Mooring Lines | 5 | 10 |
| NM959 | Dynamics of Floating Offshore Installations | 5 | 10 |
| NM962 | Advanced Marine Structures | 5 | 10 |
| NM960 | Finite Element Analysis of Floating Structures | 5 | 10 |
| NM979 | Computational Modelling of Problems in Structural Mechanics | 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 |

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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**

#### 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

1. 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.
2. In particular, candidates shall have sufficient knowledge on structural mechanics, hydrostatics, fluid dynamics, ship resistance and propulsion, ship design, etc.
3. Candidates shall be required to demonstrate an appropriate level of competence in the English language.

#### Duration of Study

1. The normal duration of study for the degree of MSc by full-time study will be 2 years (4 semesters).

#### Place of Study

1. 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

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

#### Curriculum

1. **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)** |
| NM958 | Risers and Mooring Lines | 5 | 10/5 |

|  |  |  |  |
| --- | --- | --- | --- |
| NM966 | Marine Pipelines | 5 | 10/5 |
| NM959 | Dynamics of Floating Offshore Inst. | 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 |
| NM946 | Inspection and Survey | 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.

1. **Second Yea**r - 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

1. 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.
2. 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.
3. 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 number of attempts permitted depending on the regulations at the University of Strathclyde or Hamburg University of Technology, respectively.
4. The final assessment and degree award will be based 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

1. **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

1. 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**

**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

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

#### Curriculum

1. See Regulation 8, First Year Curriculum, Master of Science in Ship and Offshore Technology.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework.

#### Award

1. **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.
2. **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.

1

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| NM958 | Risers and Mooring Lines | 5 | 10 |
| NM960 | Finite Element Analysis of Floating Structures | 5 | 10 |
| NM966 | Marine Pipelines | 5 | 10 |
| NM977 | Subsurface Technology | 5 | 10 |
| NM801 | Marine Pipeline Integrity | 5 | 10 |
| NM959 | Dynamics of Floating Offshore Installations | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits including NM839 group design project
   3. 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** |
| NM946 | Inspection and Survey | 5 | 10 |
| NM836 | Data Analysis for Engineering | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Individual Project where undertaken.

#### Award

1. **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.
2. **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 credits, of which 40 must be from the Group Design Project.
3. **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. Progress to the next level of study is normally dependent on performance (see Regulation 8).

#### Duration of Study

1. For distance learning students who opt to take 180 credits by full-time study the minimum period of study will be 18 months and the maximum period of study will be 36 months from the date of registration. Notwithstanding the General Academic Regulations

- Postgraduate Taught Degree Programme Level, for students undertaking the modular 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Curriculum

1. 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** |
| LL 953 | Professional Enquiry and Development | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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**

**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.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by part-time study only.

#### Curriculum

1. 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 |

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level, shall apply for students granted exemption from part of the programme through credit transfer or Recognition of Prior Learning (RPL).

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by part-time study only.

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Award

1. **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 SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. 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

1. 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

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a dissertation
2. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. 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

1. **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.
2. **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.
3. **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 SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is delivered online.

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level. The final assessment will be based on academic performance in the assessments undertaken.

#### Award

1. **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 SCHOOL 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. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. The programme is delivered in Pakistan.

#### Mode of Study

1. The programme is delivered by part-time study.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| X3848 | Educational Perspectives and Policies | 5 | 20 |
| X3849 | Principles and Policy in Practice | 5 | 20 |
| X3850 | Professional Specialisation | 5 | 10 |
| X3851 | Professional Project | 5 | 10 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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

1. **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 SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. 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

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

#### Curriculum

1. 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

1. 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

1. **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 SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### Award

1. **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 SCHOOL 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

1. 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

1. The Postgraduate Diploma in Gaelic Immersion for Teachers is available by full-time study only.

#### Place of Study

1. 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

1. 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 |

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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

1. **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 SCHOOL OF 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:
   1. one year's post qualifying experience deemed appropriate by the Programme Director, and
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. See General Academic Regulations - Postgraduate Taught Degree Programme Level. The minimum duration of study shall be:
   1. MSc 90 weeks
   2. Postgraduate Diploma 60 weeks
   3. Postgraduate Certificate 30 weeks

#### Place of Study

1. 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

1. The programme is available by part-time study only.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. For the Postgraduate Certificate no fewer than 60 credits
   2. For the Postgraduate Diploma no fewer than 120 credits
   3. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level candidates will be permitted a maximum of 2 attempts at each assessment.
4. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### Award

1. 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.
2. **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.
3. **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 SCHOOL 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

1. General Academic Regulations - Postgraduate Taught Degree Programme Level The normal duration of study will be 36 months.
2. The programme is available by full-time and part-time study.

#### Curriculum

1. 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

1. General Academic Regulations - Postgraduate Taught Degree Programme Level
2. The final assessment will be based on performance in the examinations and coursework.

#### Award

1. **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 SCHOOL 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:
   1. be working in an appropriate professional context, and
   2. have suitable access to an appropriate professional context or
   3. 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Place of Study

1. 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

1. All programmes are available on a part-time and/or distance learning basis only with the exception of:
   1. MSc in Autism
   2. MSc in Education Studies
   3. MSc in Education Studies (Blended Learning)
   4. MSc in Educational Leadership

#### Curriculum

1. All students shall undertake modules, subject to the approval of the Programme Leader, within one of the following pathways:
   1. For the Postgraduate Certificate no fewer than 60 credits
   2. For the Postgraduate Diploma no fewer than 120 credits
   3. 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 Master of Science 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** |
| X3962 | Emotional Wellbeing in Autism | 5 | 20 |
| X3833\* | Research Methodologies and Reasoning | 5 | 20 |
| X3958 | Counselling Skills in Autism | 5 | 20 |
| X3960 | Autism: Becoming a Trainer | 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 |
| Or (distance learning) No fewer than 60 credits chosen from | | | |
| X3963 | Emotional Wellbeing in Autism (Distance) | 5 | 20 |
| X3961 | Autism: Becoming a Trainer (Distance) | 5 | 20 |
| 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 |

\*Compulsory for those undertaking X3815 Dissertation

**Students for the degree of MEd/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 |
| X3839 | Thinking about Education | 5 | 20 |
| X3833 | Research Methodologies and Reasoning | 5 | 20 |
| X3952 | Frameworks for Understanding Learning | 5 | 20 |
| X9647 | Globalisation, Society and Education Policy | 5 | 20 |
| **And either** | | | |
| X3838 | Philosophy of Technology and Education | 5 | 20 |
| And | | | |
| X3999 | Education and Self-Formation in Cultural Contexts | 5 | 20 |
| **Or** | | | |
| X3832 | Conceptions of Leadership | 5 | 20 |
| And | | | |
| X3830 | Leadership for Learning | 5 | 20 |
|  | Or |  |  |
| X3865 | Professionalism and Professional Learning | 5 | 20 |
| And | | | |
| X3864 | Putting Theory into Practice through Work- based Learning | 5 | 20 |

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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| X3815 | Dissertation\* | 5 | 60 |
| Or | | | |
| 3823 | 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.

#### 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credit** |
| X3900 | Technology Enhanced Learning: Theory and Practice | 5 | 20 |
| X3862 | Instructional Design and Technology | 5 | 20 |
| X3860 | Digital Media for Learning | 5 | 20 |

#### Examination, Progress and Final Assessment

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in the examinations where undertaken, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL OF EDUCATION**

**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

1. The programme will normally be complete within 9 months (full-time) or 18 months (part- time).

#### Place of Study

1. The programme will involve study time based at Strathclyde.

#### Mode of Study

1. The programme is available by full-time or part-time.

#### Curriculum

1. 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

1. The final assessment will be based on performance in the examinations, coursework and the dissertation.

#### Award

1. **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.

1

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL OF EDUCATION PROGRAMMES**

#### SPARK (Strathclyde Programme in Academic Practice, Researcher Development and Knowledge Exchange)

**Postgraduate Certificate in Learning and Teaching in Higher Education Postgraduate Certificate in Research and Knowledge Exchange Postgraduate Certificate in Academic 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. Notwithstanding the provisions of the General Academic Regulations - Postgraduate Taught Degree Programme Level, applicants for the Postgraduate Certificate in Learning and Teaching in Higher Education, Research and Knowledge Exchange or Academic Practice 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply. The maximum period of study for completing a PgCert shall be 36 months.

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The Postgraduate Certificate in Learning and Teaching in Higher Education, Research and Knowledge Exchange or Academic Practice are available by part-time study only.

#### Curriculum

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

**Compulsory Modules**

**Learning and Teaching in Higher Education**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| X9894 | Teaching, Learning and Assessment within the Disciplines | 5 | 20 |

**Research and Knowledge Exchange**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| X9801 | Building a Successful Research Career | 5 | 20 |
| X3974 | Understanding and Exploring Knowledge Exchange | 5 | 20 |

**Academic Practice**

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

|  |  |  |  |
| --- | --- | --- | --- |
| X9894 | Teaching, Learning and Assessment within the Disciplines | 5 | 20 |
| X9801 | Building a Successful Research Career | 5 | 20 |
| X3974 | Understanding and Exploring Knowledge Exchange | 5 | 20 |

**Optional Modules**

No fewer than 20 credits chosen from:

#### Learning and Teaching in Higher Education

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| X9735 | Teaching and Learning Online | 5 | 20 |
| X9895 | Course (Re)Design | 5 | 20 |
| X9654 | Assessment for Learning in Higher Education | 5 | 20 |
| X9896 | Academic Writing | 5 | 20 |
| X9897 | Developing an Inclusive Curriculum | 5 | 20 |
| X9898 | Supervising Postgraduate Research | 5 | 20 |
| X9899 | Leadership in Higher Education | 5 | 20 |

**Research and Knowledge Exchange**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| X9898 | Supervising Postgraduate Research | 5 | 20 |
| X9896 | Academic Writing | 5 | 20 |
| X9899 | Leadership in Higher Education | 5 | 20 |
| X3480 | Research Bidding and Design – Getting Started | 5 | 20 |
| X3985 | Enterprise, Commercialisation and Intellectual Property | 5 | 20 |

Students in the Learning and Teaching in Higher Education pathway are permitted to take the remaining 20 credits from any SPARK programme modules.

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Award

1. **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 their chosen named qualification.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. In accordance with the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.

1. **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.
2. **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 SCHOOL OF GOVERNMENT AND PUBLIC POLICY APPLIED PUBLIC POLICY**

#### Master of Science in Applied Public Policy Postgraduate Diploma in Applied 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:
   1. possess a first or second class Honours degree in Social Science from a United Kingdom university; or
   2. possess 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

1. Pursuant to the General Academic Regulations - Postgraduate Taught Degree Programme Level, the School of Government and Public Policy will offer a credit transfer 80 credits if successfully completed at Koc University and only through this approved articulation route. The period of study in residence at Strathclyde will not exceed 6 months of the 12-month degree programme.

#### Mode of Study

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

#### Place of Study

1. All students shall undertake one semester of study at Koç and another semester at Strathclyde.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2916 | Comparative Public Policy | 5 | 20 |
| And either | | | |
| L2908 | Quantitative Methods 2 | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| Or | | | |
| L2909 | Qualitative Methods | 5 | 20 |

**Optional Modules**

One 20 credit module from the following list:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2914 | European Governance | 5 | 20 |
| L2912 | International Institutions and Regimes | 5 | 20 |
| L2965 | Feminism and International Relations | 5 | 20 |
| L2962 | Contemporary International Relations | 5 | 20 |

Such other Level 5 modules up to a maximum of 20 credits chosen from other modules 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.

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** |
| L2966 | Academic Policy Related Paper | 5 | 40 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
3. The final assessment will be based on performance in all elements of the coursework, the policy related paper and, if required, in an oral examination.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Applied Public Policy, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Public Policy, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme curriculum.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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  **(for MSc students)** | 5 | 20 |
| Or | | | |
| M9930 | Legal Research  **(for LLM students)** | 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 – School of Law

|  |  |  |  |
| --- | --- | --- | --- |
| **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 – School of Government and Public Policy**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 such 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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2933 | Dissertation | 5 | 60 |
| Or | | | |
| L2974 | Placement Dissertation | 5 | 60 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9863 | Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.

#### Award

1. **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 M9 863 dissertation.
2. **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.
3. **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.
4. **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 SCHOOL 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:
   1. possess a first or second class Honours degree in Social Science from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All full-time students shall undertake an approved curriculum as follows:

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2912 | International Institutions and Regimes | 5 | 20 |
| L2941 | Principles of Research Design | 5 | 20 |
| L2962 | Contemporary International Relations | 5 | 20 |
| L2964 | Debating International Relations Theory | 5 | 20 |

**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 |
| L2992 | Comparative Political Economy | 5 | 20 |
| L2914 | European Governance | 5 | 20 |
| L2916 | Comparative Public Policy | 5 | 20 |
| L2917 | Policy Analysis | 5 | 20 |
| L2965 | Feminism and International Relations | 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 |
| V1 993 | Diplomacy: Evolution, Theory and Practice | 5 | 20 |
| V1 994 | Embassies in Crisis | 5 | 20 |

Such other Level 5 modules up to a maximum of 40 credits chosen from other programme 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.

#### For students on MSc:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2933 | Dissertation | 5 | 60 |
| Or | | | |
| L2974 | Placement Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
3. The final assessment will be based on performance in the examinations, the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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:
   1. a first or second class Honours degree in Social Science from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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 |

**Optional Modules**

No fewer than 40 credits chosen from:

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

Such other Level 5 modules up to a maximum of 40 credits chosen from other programmes 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.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2933 | Dissertation | 5 | 60 |
| Or | | | |
| L2974 | Placement Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
3. The final assessment will be based on performance in the examinations, the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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:
   1. possess a first or second class Honours degree in Social Science from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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 |

**Optional Modules**

No fewer than 80 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 |
| L2913 | European Political Economy | 5 | 20 |
| L2914 | European Governance | 5 | 20 |
| L2916 | Comparative Public Policy | 5 | 20 |
| L2917 | Policy Analysis | 5 | 20 |
| L2962 | Contemporary International Relations | 5 | 20 |
| L2964 | Debating International Relations Theory | 5 | 20 |
| L2965 | Feminism and International Relations | 5 | 20 |

\* If not taken as compulsory

Such other Level 5 modules up to a maximum of 40 credits chosen from other programme 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.

#### For specialism in European Politics:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2992 | Comparative Political Economy | 5 | 60 |
| L2914 | European Governance | 5 | 60 |

**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 |
| L2915 | Contesting Global Governance | 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 |
| L2964 | Debating International Relations Theory | 5 | 20 |
| L2965 | Feminism and International Relations | 5 | 20 |

\* If not taken as compulsory

Such other Level 5 classes up to a maximum of 40 credits chosen from other courses offered by the Faculty of Humanities and Social Sciences as may be approved by the Head of Department offering the class and the Course Director of the course on which the student is registered.

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

#### For specialism in Comparative Politics:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2992 | Comparative Political Economy | 5 | 60 |
| L2916 | Comparative Public Policy | 5 | 60 |

**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 |
| L2914 | European Governance | 5 | 20 |
| L2915 | Contesting Global Governance | 5 | 20 |
| L2917 | Policy Analysis | 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 |

\* If not taken as compulsory

Such other Level 5 classes up to a maximum of 40 credits chosen from other courses offered by the Faculty of Humanities and Social Sciences as may be approved by the Head of Department offering the class and the Course Director of the course 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:

|  |  |  |  |
| --- | --- | --- | --- |
| L2933 | Dissertation | 5 | 60 |
| Or | | | |
| L2974 | Placement Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
3. The final assessment will be based on performance in the examinations, the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL OF GOVERNMENT AND PUBLIC POLICY**

**PUBLIC ADMINISTRATION**

#### Master of Public Administration in Public Administration

**Master of Science in Data Science for Politics and Policy Making Postgraduate Diploma in Data Science for Politics and Policy Making Postgraduate Certificate in Data Science for Politics and Policy Making**

*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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The MPA/MSc programme is available by full-time and part time study. Students pursing the MPA part-time should be aware of the expectation of the period of intensive study in the late spring/early summer that all MPA students must undertake.

#### Curriculum

1. 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 |
| And | | | |
| L2905 | Quantitative Methods 1\*\* | 5 | 20 |
| Or | | | |
| L2908 | Quantitative Methods 2\* / \*\* | 5 | 20 |
| Or | | | |
| L2909 | Qualitative Methods\* | 5 | 20 |

### \*\* dependent on experience.

#### For the MPA

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2901 | Applied Leadership Programme | 5 | 60 |

**For the MSc**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2933 | Dissertation | 5 | 60 |
| Or | | | |
| L2974 | Placement Dissertation | 5 | 60 |

**Optional Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| Or | | | |
| L5976 | Welfare Concepts and Ideas**\*** | 5 | 20 |

\* Schools and Departments within HaSS or Strathclyde Business School may substitute another policy-oriented module to tailor the MSc or MPA programme to a specific policy area

#### Progress

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the written examinations and the coursework.

#### Award

1. **Degree of MPA:** In order to qualify for the award of the degree of MPA in Public Administration, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Applied Leadership Programme.
2. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Data Science for Politics and Policy Making, 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.
3. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Data Science for Politics and Policy Making, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
4. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Data Science for Politics and Policy Making, a candidate must have accumulated no fewer than 60 credits.

#### FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL 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:
   1. possess a first or second class Honours degree in Social Science from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

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

**Compulsory Modules**\*

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2916 | Comparative Public Policy | 5 | 20 |
| L2917 | Policy Analysis | 5 | 20 |

and two of the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2909 | Qualitative Methods | 5 | 20 |
| L2941 | Principles of Research Design | 5 | 20 |
| L2905 | Quantitative Methods 1 | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| L2908 | Quantitative Methods 2 | 5 | 20 |

**Optional Modules**

No fewer than 40 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2912 | International Institutions and Regimes | 5 | 20 |
| L2992 | Comparative Political Economy | 5 | 20 |
| L2914 | European Governance | 5 | 20 |
| L2909 | Qualitative Methods **\*** | 5 | 20 |
| L2941 | Principles of Research Design **\*** | 5 | 20 |
| L2905 | Quantitative Methods 1 \* | 5 | 20 |
| L2908 | Quantitative Methods 2 **\*** | 5 | 20 |

**\*** If not taken as compulsory

Such other Level 5 modules up to a maximum of 40 credits chosen from other programmes 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.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2933 | Dissertation | 5 | 60 |
| Or | | | |
| L2974 | Placement Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
3. The final assessment will be based on performance in all elements of the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL OF GOVERNMENT AND PUBLIC POLICY TECHNOLOGY, POLICY AND MANAGEMENT**

#### Master of Science in Technology, Policy and Management Postgraduate Diploma in Technology, Policy and Management Postgraduate Certificate in Technology, Policy and Management

*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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum,
   2. for the Postgraduate Diploma no fewer than 120 credits from the curriculum,
   3. for the degree of MSc no fewer than 180 credits including a dissertation.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2983 | Policy Analysis | 5 | 10 |
| CS819 | Big Data Fundamentals | 5 | 10 |
| L2975 | Regulation, Concepts and Practices | 5 | 10 |
| Z1979 | Becoming an Effective Technology Analyst | 5 | 20 |
| MG867 | Exploring the International Business Environment | 5 | 10 |
| MG869 | Making Strategy | 5 | 10 |
| DM997 | Systems Thinking and Modelling | 5 | 10 |
| DM998 | Systems Engineering Concepts | 5 | 10 |
| CS821 | Legal, Ethical and Professional Issues in the Information Society | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| DM 999 | Management of Innovation | 5 | 10 |
| CS 820 | Business Analysis | 5 | 10 |

**Optional Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Z1978 | Hacking for Defence | 5 | 20 |
|  | OR |  |  |
| MG868 | Strategy Analysis and Evaluation | 5 | 10 |
|  | AND |  |  |
| L2979 | Communicating Policy | 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.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2980 | Dissertation | 5 | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the coursework, in the written examinations and the Dissertation where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Technology, Policy 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 credits must have been awarded for the Dissertation L2980.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Technology, Policy and Management, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
3. **Postgraduate Certificate**: In order to qualify for the award of the postgraduate Certificate in Technology, Policy and Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

**LFACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL OF GOVERNMENT AND PUBLIC POLICY URBAN POLICY & ANALYSIS**

**Master of Science in Urban Policy & Analysis with Specialisation in\***

**Postgraduate Diploma in Urban Policy & Analysis with Specialisation in \* Postgraduate Certificate in Urban Policy & Analysis with Specialisation in \***

**Specialisations**

**\*Sustainability**

**\*Infrastructure**

*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:
   1. possess a first or second class Honours degree in Social Science from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All full-time students shall undertake an approved curriculum as follows:

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2905 | Quantitative Methods 1 | 5 | 20 |
| L2916 | Comparative Public Policy | 5 | 20 |
| L2972 | Understanding and Modelling Cities | 5 | 20 |
| L2989 | Global and Future Cities | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| And | | | |
| For specialisation in Sustainability: | | | |
| EV939 | Environmental Impact Assessment | 5 | 10 |
| CL994 | Circular economy and transformations towards sustainability | 5 | 10 |
| Or | | | |
| For specialisation in Infrastructure: | | | |
| L2967 | City Systems and Infrastructure | 5 | 10 |
| EC954 | Analysis of Economic Data | 5 | 20 |
| L2908 | Quantitative Methods: Statistics and Analysis | 5 | 20 |

**Optional Modules**

For specialisation in Sustainability no fewer than 20 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL904 | Waste Management and Landfill Design | 5 | 10 |
| CS982 | Big Data Technologies | 5 | 20 |
| CS985 | Machine Learning for Data Analytics | 5 | 20 |
| CL970 | Environmental Pollution Management | 5 | 10 |
| EV921 | Water and Environmental Management | 5 | 10 |
| EC913 | International Environmental Policy | 5 | 10 |
| Or | | | |
| EC927 | Environmental Economics | 5 | 10 |

**Optional Modules**

For specialisation in Infrastructure no fewer than 10 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| CL904 | Waste Management and Landfill Design | 5 | 10 |
| CL961 | Geographical Information Systems | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| EF931 | Project Management | 5 | 10 |
| ME954 | Introduction to Satellite Applications | 5 | 10 |

Such other Level 5 modules up to a maximum of 40 credits chosen from other programme 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.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L2933 | Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Programme Handbook.
3. The final assessment will be based on performance in all elements of the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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:
   1. a first or second class Honours degree, or overseas equivalent, in a relevant discipline, usually in the Humanities and Social Sciences.; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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 School 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 School 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 |

**Award**

1. **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.
2. **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.
3. **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 SCHOOL OF HUMANITIES**

**BUSINESS TRANSLATION AND INTERPRETING**

#### Master of Science in Business Translation and Interpreting Postgraduate Diploma in Business Translation and Interpreting Postgraduate Certificate in Business 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:
   1. possess 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
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of study

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

#### Place of Study

1. In accordance with General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Curriculum

1. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| R5901 | Translation with Language Technology | 5 | 20 |
| R5906 | Text Typology and Translation | 5 | 20 |
| R5908 | Translating for the Travel and Tourism Sector | 5 | 20 |
| Or any other module approved by the Programme Director | | | |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| R5904 | Dissertation / Translation Project | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework together with the dissertation where undertaken.

#### Award

1. **Degree of MSc:** In order to qualify for the degree of MSc in Business 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.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Business Translation and Interpreting, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Diploma in Business Translation and Interpreting, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL OF HUMANITIES**

**CREATIVE WRITING**

#### Master of Literature 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:
   1. 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
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
   3. be deemed, by the Programme Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.
   4. 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Mode of study

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

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CW901 | Creative Writing Workshop 1: The Shape of Stories 1 | 5 | 20 |
| CW902 | Creative Writing Workshop 2: The Shape of Stories 2 | 5 | 20 |
| CW903 | Creative Writing Skills Workshop: The Writing Life | 5 | 20 |
| CW904 | Creative Writing Skills Project: The Made Project | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| QQ939 | Research Skills in Literature, Culture & Communication | 5 | 20 |

**Optional Modules**

20 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| QQ987 | Advanced Topics in Interdisciplinary English Studies | 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 |
| QQ990 | Making and Unmaking British Literature 1880-1950 | 5 | 20 |
| QQ902 | Global Queers: Travel Writing and Sexual Politics | 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 |

Such other Level 5 modules chosen from other programmes offered by the School of Humanities or by another department in the University 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.

#### Students for the degree of MLitt only:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CW905 | Dissertation: The Major Project | **5** | **60** |

**Examination, Progress and Final Assessment**

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level. shall apply.
2. The final assessment will be based on performance in the coursework together with the dissertation where undertaken.

#### Award

1. **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 CW905.
2. **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.
3. **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 SCHOOL OF HUMANITIES**

**DIGITAL JOURNALISM**

**Master of Literature in Digital Journalism**

**Master of Literature 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

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

**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** |
| P3957 | Entrepreneurial Journalism | 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 |

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.

**Specialisations**

#### Journalism, Ethics and Trauma Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| P3978 | Research Skills in Media and Communication | 5 | 20 |
| P3981 | Advanced Readings in Journalism, Ethics and Trauma | 5 | 20 |
| P3955 | Media Ethics | 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 ethics or trauma offered by the Faculty of Humanities and Social Sciences as may be approved by the Programme Director.

#### Political Communication Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| P3978 | Research Skills in Media and Communication | 5 | 20 |
| PXXXX | Advanced Readings 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 |
| P3957 | Entrepreneurial Journalism | 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.

#### Health Communication Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| P3978 | Research Skills in Media and Communication | 5 | 20 |
| PXXXX | Advanced Readings 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 |
| P3957 | Entrepreneurial Journalism | 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.

#### 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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.
4. **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.
5. **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:
   1. possess a first or second class Honours degree in History, Politics, Law, Social Sciences, or a related discipline from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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 |

#### For the History pathway

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| V1932 | Research Skills, Sources and Methods for Historians | 5 | 20 |

**For the Politics pathway**

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

|  |  |  |  |
| --- | --- | --- | --- |
| L2941 | Principles of Research Design | 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.

#### For the degree of MSc only:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| V1919 | Dissertation | 5 | 60 |
| OR | | | |
| L2933 | Dissertation | 5 | 60 |

**Examination, progress and final assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in all elements of the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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.*

The MSc, Postgraduate Diploma and Postgraduate Certificate in Health History are conferred jointly by the University of Strathclyde and Glasgow Caledonian University. The regulations are drawn up consequent upon a Collaborative Agreement, which has been approved by Senate. The University of Strathclyde is the administering University.

#### Admissions

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, applicants shall:
   1. possess a first or second class Honours degree in History or a related discipline from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum, coming under the joint memorandum of agreement with Glasgow Caledonian University, as follows:

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| V1932 | Research Skills, Sources and Methods for Historians | 5 | 20 |

**Optional Modules**

Students must take a further 100 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 20th 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 19th 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress between semesters may be dependent on satisfactory performance against prescribed criteria in the earlier part of the programme.
3. The final assessment will be based on performance in all elements of the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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:
   1. possess a first or second class Honours degree in History or a related discipline from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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, they 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 |

#### Students not taking the ESRC pathway to Doctoral level must take the following compulsory module:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| V1932 | Research Skills, Sources and Methods for Historians | 5 | 20 |

**Optional Modules**

Students must take a further 100 credits from the following:

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

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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the programme.
3. The final assessment will be based on performance in all elements of the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. In accordance with the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Mode of Study

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

#### Curriculum

1. 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 two modules from the following list of optional modules.

Students for the degree of MSc and Postgraduate Diploma in addition will undertake five modules from the following list of optional modules. Students may choose freely from the available options, or may choose to focus primarily on modules from one of the three groups A, B and C listed below:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| QQ990 | Making and Unmaking British Literature (1880 – 1950) | 5 | 20 |
| QQ902 | Global Queers: Travel Writing and Sexual Politics | 5 | 20 |
| QQ901 | Transcultural Fandom and British Popular Culture | 5 | 20 |
| QQ985 | Visions of Surburbia | 5 | 20 |
| QQ981 | Fleshy Histories: Meat Eating and Meat Avoidance (1500 – Present) | 5 | 20 |

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** |
| QQ980 | Dissertation in Interdisciplinary English Studies | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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:
   1. possess a first or second class Honours degree in an appropriate discipline from a United Kingdom university; or
   2. possess 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 School of Humanities or by another School or Department in the University 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.

**Specialisations**

#### Political Communication Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| 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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 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

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the coursework together with the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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.
4. **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.
5. **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 SCHOOL OF LAW**

**CONSTRUCTION LAW**

#### Master of Laws in Construction Law 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Full Time

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Part Time

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Part Time (Accelerated)

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the minimum period of study for part-time (accelerated) study shall be as follows:
   1. Masters 12 months
   2. PG Diploma 10 months
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum period of study for part-time (accelerated) study shall be as follows:
   1. Masters 24 months
   2. PG Diploma 20 months

#### Mode of Study

1. The programmes are available by full-time, part-time or online\* study.

\*The online version of the programme is currently not available but will be at a later date.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of LLM no fewer than 180 credits including a dissertation.

**Compulsory Modules**

**Full Time 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** |
| M99XX | The Law of the Construction Industry | 5 | 20 |
| M99XX | Law and Practice of Construction Management | 5 | 20 |
| M99XX | Dispute Resolution | 5 | 20 |

**Part Time 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** |
| M99XX | The Law of the Construction Industry | 5 | 20 |
| M99XX | Law and Practice of Construction Management | 5 | 20 |
| M99XX | Dispute Resolution | 5 | 20 |

**Students for the Postgraduate Diploma and degree of LLM only:**

#### Full Time Attending

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9890 | Legal Research | 5 | 20 |

**Full Time and Part Time Attending**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9890\* | Legal Research | 5 | 20 |

\* This module may be substituted with M9930 with permission of the relevant programme leader and either of the following two modules dependent upon student circumstances.

**Online**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9930 | Legal Research | 5 | 20 |

**For Candidates without a Law degree**

|  |  |  |  |
| --- | --- | --- | --- |
| **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** |
| M99XX | Legal Process and the Law of Contracts and other Obligations | 5 | 20 |

Or

#### For Candidates with a Law degree

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9902 | The Context of Construction | 5 | 20 |

**Online**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M99XX | The Context of Construction | 5 | 20 |

**Optional Modules**

20 credits chosen from:

#### Attendance

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9939 | Negotiation | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| M9810 | Mediation Policy and the Law | 5 | 20 |
| M9938 | Mediation in Practice | 5 | 20 |
| M8902 | Arbitration Law | 5 | 20 |

**Online**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M99XX | Negotiation | 5 | 20 |
| M98XX | Mediation Policy and the Law | 5 | 20 |
| M99XX | Mediation in Practice | 5 | 20 |
| M89XX | Arbitration Law | 5 | 20 |

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

1. Any such 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 (LLM) | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Progress of Part-time students

1. Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **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 the dissertation M9863.
2. **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 credits, including all taught compulsory modules from the programme curriculum.
3. **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 credits including all taught compulsory modules from the programme curriculum.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL OF LAW**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. 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

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of LLM no fewer than 180 credits including a dissertation.

**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 60 credits and no more 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 |

**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 |

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 Postgraduate Diploma and degree of LLM or MSc only: Full Time

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9890 | Legal Research | 5 | 20 |

**Part Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9930 | Legal Research**\*** | 5 | 20 |

**\*** This module may be substituted with M9890 with permission of the relevant Programme Director.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9863 | Dissertation | 5 | 60 |

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| M9812 | Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part-time students for the degree of LLM or MSc or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **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 of which 60 credits in respect of the Dissertation M9863 or M9812.
2. **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.
3. **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.
4. **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.
5. **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 SCHOOL OF LAW**

**GLOBAL ENVIRONMENTAL LAW AND GOVERNANCE**

#### Master of Laws in Global Environmental Law and Governance Postgraduate Diploma in Global Environmental Law and Governance 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 - Postgraduate Taught Degree Programme Level.*

#### Admission

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Place of Study

1. As permitted by the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9921 | International Environmental Law 1 | 5 | 20 |
| M9867 | Global Environmental Law | 5 | 20 |
| M9890 | Legal Research **\*** | 5 | 20 |

**Optional Modules**

No fewer than 60 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9862 | International Migration Law | 5 | 20 |
| M9871 | International Environmental Law 2 | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| M9873 | Oceans, Governance and International Law | 5 | 20 |
| M8914 | International Climate Change Law | 5 | 20 |
| CL960 | Fundamentals of Environmental Forensics | 5 | 10 |
| CL946 | Global Water Policy | 5 | 10 |
| ME927 | Energy Resources and Policy | 5 | 20 |
| M9864 | Global Health, Rights and Development | 5 | 20 |
| M9941 | Intellectual Property 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 |

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

#### Students for the degree of LLM only:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9863 | Dissertation | 5 | 60 |

\* Students may substitute M9890 for M9930 Legal Research with permission of Programme Director.

#### Progress

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **Degree of LLM:** 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 of which 60 credits must have been awarded in respect of the appropriate Dissertation M9863.
2. **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 including all taught compulsory modules of the programme curriculum.
3. **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.
4. **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 including taught compulsory modules of the programme curriculum.
5. **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 SCHOOL OF LAW**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. 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

1. As permitted by the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of LLM no fewer than 180 credits including a dissertation.

**Compulsory Modules**

#### Full Time

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9890 | Legal Research | 5 | 20 |

**Part Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9930 | Legal Research **\*** | 5 | 20 |

\* This may be substituted with M9890 with permission of the relevant Programme Director.

**Optional Modules**

80 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 |

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 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 |
| Or | | | |
| M9849 | Field Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to Year Two.

#### Award

1. **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 all taught compulsory modules from the programme curriculum of which 60 must have been awarded in respect of the dissertation M9863 or M9849.
2. **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 credits, including all taught compulsory modules from the programme curriculum.
3. **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.
4. **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 credits from the taught compulsory modules from the programme curriculum.
5. **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 SCHOOL OF LAW**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by full-time and part-time study and by distance learning.

#### Curriculum

1. All students on the attending pathway shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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** |
| M9944 | E-Commerce Law | 5 | 20 |
| M9941 | Intellectual Property Law | 5 | 20 |
| M9829 | Privacy, Crime and Security | 5 | 20 |
| M8915 | Cybercrime and Society | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| M9868 | Cybercrime and Society (Distance Learning) | 5 | 20 |
| M9869 | Intellectual Property Law (Distance Learning) | 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **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.
2. **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 credits, including all taught compulsory modules of the programme curriculum.
3. **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 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.

1. **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**

**SCHOOL OF 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. This programme is available by full-time and part-time study.

#### Curriculum

1. All students on the attending pathway shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of LLM no fewer than 180 credits including a dissertation.

**Compulsory Modules – All Students**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M8908 | The Law of International Business | 5 | 20 |
| M9920\* | 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**

60 credits selected from the list A below.

#### List A

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

**For the specialisation in Financial Regulation**

20 credits selected from the list B below.

#### List B

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9921 | International Environmental Law I | 5 | 20 |
| M8914 | International Climate Change Law | 5 | 20 |
| M9990 | International Human Rights Law | 5 | 20 |
| M9937 | Theory and Principles of Conflict Resolution | 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 |

Not all optional modules on these lists 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 M9920 for another 20 credit module within the Optional Modules listed above.

\*\* For students on the LLM or Postgraduate Diploma, any such 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 relevant Programme Leaders.

**Students for the Postgraduate Diploma and degree of LLM only Compulsory Modules**

**Full Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9890 | Legal Research | 5 | 20 |

**Part Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9930 | Legal Research**\*\*\*** | 5 | 20 |

**\*\*\*** This module may be substituted with M9890 with permission of the relevant Programme Director.

#### Students for the degree of LLM only Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9863 | Dissertation (LLM) | 5 | 60 |
| Or | | | |
| M9849 | Field Dissertation (LLM) | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Progress of Part-time students

1. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **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, including all taught

compulsory modules of the programme curriculum of which 60 must have been awarded in respect of the dissertation M9863 or M9849 as appropriate.

1. **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, including all taught compulsory modules of the programme curriculum of which 60 must have been awarded in respect of the dissertation M9863 or M9849 as appropriate.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Commercial Law, a candidate must have accumulated no fewer than 120 credits, including all taught compulsory modules of the programme curriculum from the taught modules of the programme.
3. **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 credits, including all taught compulsory modules of the programme curriculum.
4. **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.
5. **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 credits including compulsory modules from the programme curriculum.
6. **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 SCHOOL OF LAW**

**INTERNET, LAW AND POLICY**

#### Master of Laws in Internet, Law and Policy Postgraduate Diploma in Internet, Law and Policy Postgraduate Diploma in Law

**Postgraduate Certificate in Internet, Law and Policy 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by full-time and part-time study and by distance learning.

#### Curriculum

1. All students on the attending pathway shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of LLM no fewer than 180 credits including a dissertation.

#### Optional Modules\* \*\*

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9944 | E-Commerce Law | 5 | 20 |
| M9941 | Intellectual Property Law | 5 | 20 |
| M9829 | Privacy, Crime and Security | 5 | 20 |
| M9975 | Telecommunications 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 |

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 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 Postgraduate Diploma and degree of LLM only: Compulsory Module

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9930 | Legal Research | 5 | 20 |

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

**Compulsory Module**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9863 | Dissertation | 5 | 60 |

#### Progress

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **Degree of LLM:** In order to qualify for the award of LLM in Internet, Law and Policy, 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.
2. **Postgraduate Diploma in Internet, Law and Policy:** In order to qualify for the award of the Postgraduate Diploma in Internet, Law and Policy, a candidate must have accumulated no fewer than 120 credits, including all taught compulsory modules of the programme curriculum.
3. **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.
4. **Postgraduate Certificate in Internet, Law and Policy:** In order to qualify for the award of the Internet, Law and Policy, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.
5. **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 SCHOOL OF LAW**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Place of Study

1. 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

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of LLM 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL OF LAW**

**LAW**

#### Master of Laws in Law 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. This programme is available by full-time and part-time study.

#### Curriculum

1. All students on the attending pathway shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of LLM no fewer than 180 credits including a dissertation.

**Optional Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

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

For students on the LLM or Postgraduate Diploma, may take any Level 5 modules up to a maximum of 20 credits chosen from other programmes offered by the University and as approved by the Programme Director offering the module and the Programme Director of the programme on which the student is registered in lieu of one of the modules listed above.

**Students for Postgraduate Diploma and LLM:**

**Full Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9890 | Legal Research | 5 | 20 |

**Part Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9930 | Legal Research **\*** | 5 | 20 |

\* This module may be substituted with M9890 with permission of the relevant Programme Director.

#### Students for the degree of LLM only:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9863 | Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **Degree of LLM:** In order to qualify for the award of LLM in Law, a candidate must have accumulated no fewer than 180 credits, including the taught compulsory module M9890 or M9930 of which 60 must have been awarded in respect of the dissertation as appropriate.
2. **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, including the

taught compulsory module M9890 or M9930 from the taught modules of the programme curriculum.

1. **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

1. 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/LLM in Law may transfer onto one of the specialised LLM degrees.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL OF LAW**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. This programme is available by full-time and part-time study.

#### Curriculum

1. All students on the attending pathway shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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  **(for LLM students)** | 5 | 60 |
| Or | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| M9812 | Dissertation  **(for MSc students)** | 5 | 60 |

**Optional Modules**

Students must take 40 credits from the list of modules below:

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **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.
2. **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.
3. **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.
4. **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 SCHOOL OF LAW**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by both full time and part-time study. Both the LLM, the MSc and the Postgraduate Diploma are also available by part-time (accelerated) study.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9937 | Theory and Principles of Conflict Resolution | 5 | 20 |
| M9938 | Mediation in Practice | 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 |
| M9809 | Conflict Resolution and the State | 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 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 Postgraduate Diploma and degrees of LLM and MSc in addition will undertake:**

**Full Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9890 | Legal Research | 5 | 20 |

**Part Time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9930 | Legal Research **\*** | 5 | 20 |

\* This module may be substituted with M9890 with permission of the relevant Programme Director.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9863 | Dissertation | 5 | 60 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9812 | Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Part-time students for the degree of LLM, MSc or Postgraduate Diploma shall normally require 40 credits to progress to year two.

#### Award

1. **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 of which 60 credits must have been awarded in respect of the appropriate Dissertation M9863 or M9812.

1. **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 credits, including all taught compulsory modules from the programme curriculum.
2. **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.
3. **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 credits from the programme curriculum , including the taught compulsory modules M9937 and M9938.
4. **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 SCHOOL OF LAW**

**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:
   1. a Postgraduate Diploma in Professional Legal Practice; or
   2. a qualification deemed by the Head of School/Programme Director 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

1. 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

1. The LLM is available by distance learning only.

#### Curriculum

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| M9847 | Legal Research (Professional Legal Practice) | 5 | 20 |
| M9848 | Dissertation in Professional Legal Practice | 5 | 60 |

#### Progress

1. Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
2. Progress to the Dissertation on the LLM is dependent on a student successfully completing the class M9847 Legal Research.
3. 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 the class M9847 Legal Research a maximum of one further attempt at passing the class. The attempt shall normally be made at the next available formal assessment period. The Board of Examiners may additionally require a student to re attend the class.

1. The final assessment will be based on performance in the examinations, coursework and the dissertation.

#### Award

1. **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 60 must have been awarded in respect of the dissertation M9848 and 20 credits from the class M9847 Legal Research and the remainder of the credits will be awarded through credit transfer and recognition of prior learning.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL OF LAW**

**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:
   1. an LLB of a Scottish university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The Postgraduate Diploma is available by full-time and part-time study.

#### Curriculum

1. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| M9861 | Tomorrow’s Legal Industry | 5 | 10 |
| M9889 | General Practice – Problem-based Learning | 5 | 10 |
| M9891 | Advanced Civil Advocacy | 5 | 10 |

#### Progress

1. Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
2. Progress to the second year of part-time study will be permitted if a student obtains at least 40 credits.
3. 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.
4. The final assessment will be based on performance in the examinations and coursework.

#### Award

1. **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 course curriculum of which 70 must have been awarded in respect of the core curriculum and 50 must have been awarded in respect of the optional curriculum.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL 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:
   1. a first or second class Honours degree in Psychology from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by full-time or part-time study only.

#### Curriculum

1. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in all elements of the coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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 normally required to have a Counselling & Psychotherapy in Scotland (COSCA) Certificate in Counselling Skills or the equivalent.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme in Counselling and Psychotherapy is available by full-time study only.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| B9902 | Counselling Practicum | 5 | 20 |
| B9903 | The Therapeutic Relationships | 5 | 20 |
| B9904 | Therapeutic Process | 5 | 20 |
| B9906 | Counselling Case Formation | 5 | 20 |
| B9907 | Personality Theory | 5 | 20 |
| B9908 | Personal and Professional Development | 5 | 20 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| B9901 | Counselling Research Dissertation | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL OF PSYCHOLOGICAL SCIENCES AND HEALTH**

**EDUCATIONAL PSYCHOLOGY**

#### Master of Science in Educational Psychology Master of Science in Applied Psychology Postgraduate Diploma in Applied Psychology Postgraduate Certificate in Applied 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:
   1. a first or second class Honours degree in Psychology from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by full-time study only and is offered over six consecutive school terms.

#### Curriculum

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, all students shall undertake an approved curriculum as follows:

**First Year Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| C8976 | Frameworks for Professional Practice 1 | 5 | 15 |
| C8972 | Development in Context 1 | 5 | 15 |
| C8970 | Facilitating Change: Assessment and Intervention 1 | 5 | 30 |
| C8968 | Effective Communication and Interpersonal Skills 1 | 5 | 15 |

|  |  |  |  |
| --- | --- | --- | --- |
| C8966 | Research and Evaluation 1 | 5 | 15 |
| C8964 | Professional Practice: Communication 1 | 5 | 15 |
| C8962 | Professional Practice: Service Delivery 1 | 5 | 15 |
| C8974 | Professional Practice: Self-Management and Organisational Skills 1 | 5 | 15 |
| C8978 | Professional Practice: Short Placements 1 | 5 | 15 |
| C8960 | Professional Practice: Reflective Practice 1 | 5 | 30 |

**Second Year Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| C8977 | Frameworks for Professional Practice 2 | 5 | 15 |
| C8973 | Development in Context 2 | 5 | 15 |
| C8971 | Facilitating Change: Assessment and Intervention 2 | 5 | 30 |
| C8969 | Effective Communication and Interpersonal Skills 2 | 5 | 15 |
| C8967 | Research and Evaluation 2 | 5 | 15 |
| C8965 | Professional Practice: Communication 2 | 5 | 15 |
| C8963 | Professional Practice: Service Delivery 2 | 5 | 15 |
| C8975 | Professional Practice: Self-Management and Organisational Skills 2 | 5 | 15 |
| C8961 | Professional Practice: Reflective Practice 2 | 5 | 30 |
| C8979 | Professional Practice: Matrix Pieces | 5 | 15 |

**Progress**

1. Students are required to perform to the satisfaction of the Board of Examiners in the coursework and in the Professional Practice.
2. Students who fail to satisfy the examiners in respect of any submitted written work while judged to be satisfactory in the practical work shall be permitted one further attempt to pass the relevant module(s) normally in the same academic year.
3. Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the programme.
4. The final assessment will be based on performance in all elements of the coursework and the Professional Practice.

#### Award

1. **Degree of MSc in Educational Psychology:** In order to qualify for the award of the degree of MSc in Educational Psychology a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 360 credits of which 180 credits must have been awarded in respect of Professional Practice.
2. **Degree of MSc in Applied Psychology:** In order to qualify for the award of the degree of MSc in Applied 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 90 credits must have been awarded in respect of Professional Practice.
3. **Postgraduate Diploma in Applied Psychology:** In order to qualify for the award of the Postgraduate Diploma in Applied Psychology, a candidate must have accumulated no fewer than 120 credits of which 30 credits must have been awarded in respect of Professional Practice.
4. **Postgraduate Certificate in Applied Psychology:** In order to qualify for the award of the Postgraduate Certificate in Applied Psychology, a candidate must have accumulated no fewer than 90 credits from the taught modules of the programme.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SCHOOL 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

1. 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

1. 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

1. 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

1. 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

1. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Candidates will be permitted a maximum of 2 attempts at each assessment.
3. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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:
   1. a first or second class Honours degree in any subject from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by full-time or part-time study only.

#### Mode of Delivery

1. The programme is available by distance learning only.

#### Curriculum

1. 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 |

|  |  |  |  |
| --- | --- | --- | --- |
| 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

|  |  |  |  |
| --- | --- | --- | --- |
| HR954 | Organisational Psychology (Autumn) | 5 | 10 |
| OR | | | |
| HR966 | Organisational Psychology (Summer) | 5 | 10 |
| HR955 | Leadership in Organisations (Spring) | 5 | 10 |
| OR | | | |
| HR971 | Leadership in Organisations (Autumn) | 5 | 10 |
| HR956 | Psychometrics in Organisations (Spring) | 5 | 10 |
| OR | | | |
| HR969 | Psychometrics in Organisations (Autumn) | 5 | 10 |
| HR967 | Foundations of Risk (Autumn) | 5 | 10 |
| OR | | | |
| HR970 | Foundations of Risk (Spring) | 5 | 10 |

**Compulsory For Specialisation in Health**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| C8994 | Understanding Health (Spring)\* | 5 | 20 |
|  | OR |  |  |
| C8996 | Understanding Health (Summer)\* | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| C8991 | Promoting Health (Spring) | 5 | 20 |
|  | OR |  |  |
| C8995 | Promoting Heath (Summer) | 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)**

1. Students studying on a part-time basis will normally take no fewer than 40 credits in each year.

#### Progress

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in all elements of the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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:
   1. a first or upper second class Honours degree in Psychology from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in all elements of the coursework, the dissertation and, if required, in an oral examination.

#### Award

1. **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.
2. **Postgraduate Diploma of 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.
3. **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.
4. **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 L5501 Perspectives on Social Research.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by part-time study only.

#### Curriculum

1. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, candidates will be permitted a maximum of 2 attempts at each assessment.
4. The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by part-time study only.

#### Curriculum

1. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. The final assessment will be based on performance in the coursework, examinations and the dissertation, where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of study

1. The programme is available by part-time study only.

#### Place of Study

1. The programme is taught by distance learning only.

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Award

1. **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 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Mode of study

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

#### Place of Study

1. In accordance with the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Curriculum

1. 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**

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. For students starting the programme in January, 60 credits must have been accumulated from the programme curriculum and have submitted a satisfactory proposal for a dissertation, in order to progress to the degree of Master.
3. The final assessment will be based on performance in the assessments, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. a first or second class Honours degree any discipline from a United Kingdom university; or
   2. 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

1. 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

1. 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

1. 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

1. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, candidates will be permitted a maximum of 2 attempts at each assessment.
3. The final assessment will be based on performance in all elements of the coursework, the dissertation and, if required, a spoken examination.

#### Award

1. **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.
2. **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.
3. **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 SCHOOL 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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Place of Study

1. 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

1. The programme is available by part-time study only.

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, candidates will be permitted a maximum of 2 attempts at each assessment.
4. The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. a first or second class Honours degree from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Place of Study

1. In accordance with the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L5976 | Welfare, Concepts and Ideas | 5 | 20 |
| L5975 | Approaches to Welfare: Past, Present and Future | 5 | 20 |
| L5992 | International Social Work: Themes and Perspectives | 5 | 20 |
| AND | | | |
| L2905 | Quantitative Methods: Survey Methods | 5 | 20 |
| AND/OR | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| L2909 | Qualitative Methods | 5 | 20 |

**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 |
| 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 |
| EC922 | Principles of Economic Appraisal | 5 | 10 |
| OR | | | |
| EC954 | Economic Appraisal and Modelling | 5 | 20 |
| EC947 | Topics in Public Economics | 5 | 10 |

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

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. The final assessment will be based on performance in the assessments, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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 programme curriculum.
3. **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 programme curriculum.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES SOCIAL WORK AND SOCIAL POLICY**

**MENTAL HEALTH SOCIAL WORK**

#### Postgraduate Certificate in Mental Health Social Work (Mental Health Officer Award)

*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. All applicants must satisfy the requirements for professional registration outlined by the Scottish Social Services Council (SSSC).

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.

#### Mode of Study

1. The Postgraduate Certificate in Mental Health Social Work (Mental Health Officers Award) is available by part-time study only.

#### Place of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The practice learning component of the programme takes place within the student’s employing agency.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L5962 | Mental Health Officer Theory and Practice 1 | 5 | 30 |
| L5963 | Mental Health Officer Theory and Practice 2 | 5 | 30 |

#### Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Progress

1. The assessment for module L5962 Mental Health Officer Theory and Practice 1 incorporates an assessment of the student’s practice. This practice must be assessed as a pass before the student can progress to module L5963, Mental Health Officer Theory and Practice 2.
2. The final assessment will be based on performance in the assessments, and coursework.

#### Award

1. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Mental Health Social Work (Mental Health Officers Award) a student must have accumulated 60 credits at Level 5 from the programme curriculum.

**FACULTY OF HUMANITIES AND SOCIAL SCIENCES**

**SCHOOL 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programme is available by part-time study only.

#### Place of Study

1. 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

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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

1. **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 SCHOOL 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:
   1. are normally qualified social workers or allied professional workers, and
   2. 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
   3. must have clearly agreed and defined access to experiences, which in the opinion of the Programme Directors provide the required practice-based learning, and
   4. are required to hold a relevant degree and/or professional qualification, and
   5. 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

1. The normal duration of study is nine months.

#### Mode of Study

1. 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

1. The programme is delivered in accessible locations in Scotland. The Post Graduate Certificate in Securing Children’s Futures is delivered by the Adoption and Fostering Alliance (Scotland); the taught components of the programme are delivered at locations which have agreements with A&FA Scotland.

#### Curriculum

1. 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

1. Candidates are required to pass written assessments for each module and to have their professional practice observed and verified by an appropriate person.
2. Candidates who fail to reach the required standard in any module are permitted one further attempt to pass that module.
3. 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.
4. 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

1. 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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. 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 |
| L2905 | Quantitative Methods 1 | 5 | 20 |
| L5976 | Welfare Concepts and Ideas | 5 | 20 |
| L5975 | Approaches to Welfare: Past, Present and Future | 5 | 20 |

**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 |
| 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 |
| L2915 | Contesting Global Governance | 5 | 20 |
| L5983 | Evaluation and Policy Research | 5 | 20 |

Or another module approved by the Programme Director.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| L5980 | Dissertation in Social Policy | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the assessments, coursework, the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. 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 |
| L5975 | Approaches to Welfare: Past, Present and Future | 5 | 20 |
| And either | | | |
| L2909 | Qualitative Methods | 5 | 20 |
| Or | | | |
| L2905 | Quantitative Methods 1: Survey Methods | 5 | 20 |

**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 |

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |
| L2915 | Contesting Global Governance | 5 | 20 |
| L5983 | Evaluation and Policy Research | 5 | 20 |

Or another module 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** |
| L5980 | Dissertation in Social Policy | 5 | 60 |

**Progress**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the assessments, coursework, the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or second class Honours degree in any discipline from a United Kingdom university; or
   2. 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

1. 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

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

#### Place of Study

1. 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

1. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in all elements of the coursework and the dissertation.

#### Award

1. **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.
2. **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.
3. **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 SOCIAL WORK AND SOCIAL POLICY**

**SOCIAL WORK**

#### Master of Science in 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. 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

1. The programme includes study at the University of Strathclyde and placement out with the University campus.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. 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 |
| L8904 | Research Methods | 5 | 10 |
| L8905 | Risk and Protection in Organisational Contexts | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| L8906 | Theory and Practice 2 | 5 | 20 |
| L8907 | Practice 2 | 5 | 20 |
| L8908 | Research Methods 2 | 5 | 10 |
| L8909 | MSW Dissertation | 5 | 40 |

#### Progress

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. 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.
4. The final assessment will be based on performance in the assessments, coursework, and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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. See General Academic Regulations - Postgraduate Taught Degree Programme Level

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
   3. 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**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG821 | Leadership | 5 | 10 |
| MG928 | Analytical Support for Decision Making | 5 | 10 |
| MG961 | Global Business Environment | 5 | 20 |
| MG937 | Programme and Project Management | 5 | 10 |
| MG925 | Marketing Management | 5 | 10 |
| MG955 | Managing in Europe (Toulouse) | 5 | 10 |

**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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Mathematics, Statistics or Computing); or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by full-time or part-time study or by open-learning.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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** |
| 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 |

#### 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**

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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

#### Award

1. **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 40 must have been awarded in

respect of the research projects AG942 and AG943 or in exceptional circumstances the dissertation AG913.

1. **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.
2. **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 the General Academic Regulations - Postgraduate Taught Degree Programme Level, applicants shall possess:
   1. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Mathematics, Statistics or Computing); or
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to i. above. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by full-time.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| MS980 | Business Analytics | 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AG924 | Portfolio Theory and Management | 5 | 10 |
| AG929 | Derivatives | 5 | 10 |
| AG937 | Fixed Income Analysis | 5 | 10 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AG940 | Finance Project | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| MS996 | Management Science Project | 5 | 20 |
| Or (in exceptional circumstances and at the Programme Leader’s discretion): | | | |
| AG932 | Dissertation | 5 | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the research projects or dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the compulsory modules
   3. 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 |
| AG914 | Advanced Accounting | 5 | 20 |
| AG915 | Advanced Corporate Finance & Applications | 5 | 20 |
| AG920 | Management Accounting | 5 | 10 |

#### 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** |
| AG921 | International 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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

#### Award

1. **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 or in exceptional circumstances the dissertation AG913.
2. **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 programme.
3. **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:
   1. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Economics, Mathematics, Statistics or Computing); or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the compulsory modules
   3. 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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

#### Award

1. **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.
2. **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 programme.
3. **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:
   1. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Economics, Mathematics, Statistics or Computing); or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the compulsory modules
   3. 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 |
| AG924 | Portfolio Theory & Management | 5 | 10 |
| AG925 | Derivatives & Treasury Management | 5 | 20 |
| AG938 | Equity Analysis | 5 | 10 |

#### 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** |
| 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 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

#### Award

1. **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 40 must have been awarded in respect of the research projects AG942 and AG943 or in exceptional circumstances the dissertation AG913.
2. **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 programme.
3. **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.

**STRATHCLYDE BUSINESS SCHOOL DEPARTMENT OF ECONOMICS**

**APPLIED ECONOMICS**

#### Master of Science in Applied Economics 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:
   1. a first or second class Honours degree of a United Kingdom university, in which Economics constitutes a significant component; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to the above: or
   3. have demonstrated competence in Economics 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by full-time, part-time study and by distance learning.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate in Applied Economics no fewer than 60 credits from the compulsory classes listed below.
   2. for the Postgraduate Certificate in Economic Policy Development no fewer than 60 credits of taught classes
   3. for the Postgraduate Diploma in Applied Economics or Economic Policy Development no fewer than 120 credits including all the appropriate compulsory classes listed below.
   4. for the degree of MSc no fewer than 180 credits.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| EC962 | Regional Development Policy | 5 | 10\* |

\* Students on the Economic and Policy Development pathway must take EC962.

**Optional Modules**

No fewer than 40 credits chosen from the list below, and any other deemed appropriate by the Programme Leader:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EC915 | Games of Strategy | 5 | 10 |
| EC927 | Environmental Economics | 5 | 10 |
| EC928 | Energy Economics | 5 | 10 |
| EC955 | International Trade | 5 | 10 |
| EC956 | International Development | 5 | 10 |
| EC961 | Economic Inequality and Inclusive Growth | 5 | 10 |
| EC962 | Regional Development Policy | 5 | 10 |
| EC970 | Health Economics | 5 | 10 |

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| EC930 | Summer Project | 5 | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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 one failed taught module.
3. Candidates studying on a part-time or distance learning 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.
4. The final assessment will be based on performance in the examinations, the coursework and the Dissertation where undertaken.

#### Award

1. **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 EC930 Summer Project.
2. **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 course.
3. **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 compulsory classes of the course.

**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:
   1. a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Mathematics, Statistics or Computing); or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |

#### Students for the degree of MSc only: 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 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. a first or second class Honours degree of a United Kingdom university, in which relevant disciplines constitute a significant component; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to the above: or
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the compulsory modules
   2. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
   3. for the degree of MSc no fewer than 180 credits, including the project

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

**Elective Modules**

20 credits chosen from any elective modules at the appropriate level as approved by the Programme Director.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EC930 | Summer Project | 5 | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. 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.
4. The final assessment will be based on performance in the examinations, the coursework and the project report where undertaken.

#### Award

1. **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.
2. **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.

1. **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**

#### Postgraduate Diploma in Business

*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, candidates shall normally possess:
   1. a degree from a United Kingdom University and a minimum of three year’s relevant work experience; or
   2. other qualifications deemed, by the Programme Leader of the relevant study route, acting on behalf of Senate, to be equivalent to i. above and a minimum of three year’s relevant work experience; or
   3. have five years management experience and a satisfactory performance in an appropriate admissions test; or
   4. 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. Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.
3. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum duration of study for students will be 72 months.

#### Mode of Study

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

#### Curriculum

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

**Optional Modules**

No fewer than 120 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG915 | Marketing Management | 5 | 10 |
| MG916 | Operations Management | 5 | 10 |
| MG914 | Managing People in Organizations | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MG917 | Financial and Management Accounting | 5 | 10 |
| MG918 | Finance and Financial Management | 5 | 10 |
| MG844 | Analytical Support for Decision Making | 5 | 10 |
| MG920 | Exploring the International Business Environment | 5 | 10 |
| MG921 | Strategy Analysis and Evaluation | 5 | 10 |
| MG922 | Making Strategy | 5 | 10 |
| MG923 | Strategic Consulting in Practice | 5 | 10 |
| MG982 | The Reflective Practitioner | 5 | 20 |

Such other 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.

#### Examination, Progress and Final Assessment

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in all elements of the programme.

#### Award

1. In order to qualify for the degree of Postgraduate Diploma in Business, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.

#### Transfer

1. In relation to the transfer from the Postgraduate Diploma in Business 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.

**STRATHCLYDE BUSINESS SCHOOL FACULTY PROGRAMMES**

**BUSINESS ADMINISTRATION**

#### Master of Business Administration

**Master of Business Administration with Specialisation**

*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:
   1. a degree from a United Kingdom University; or
   2. 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 or its equivalent; or
   3. 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 have a minimum of five years of relevant experience.
3. Applicants holding the MSc in Business and Management from the University of Strathclyde, and wishing to convert this degree to the MBA, must undertake a special curriculum detailed in below.
4. Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.

#### Duration of Study

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply. All students proceeding to Masters will be allowed one further year from the date of the final examination board for the dissertation.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum duration of study for students will be 72 months for the taught element and one further year from the date of the final examination board for the MBA Project.

#### Mode of Study

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

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG914 | Managing People in Organizations | 5 | 10 |
| MG915 | Marketing Management | 5 | 10 |
| MG916 | Operations Management | 5 | 10 |
| MG917 | Financial and Management Accounting | 5 | 10 |
| MG918 | Finance and Financial Management | 5 | 10 |
| MG844 | Analytical Support for Decision Making | 5 | 10 |
| MS982 | Information and Technology Management | 5 | 10 |
| GB879 | Strategic Management for Sustainable Access | 5 | 20 |
| MG923 | Strategic Consulting in Practice | 5 | 10 |
| MG924/MG865 | MBA Project | 5 | 40/60 |
| MG982 | The Reflective Practitioner | 5 | 20 |

Together with modules appropriate to the chosen programme.

#### MBA

**Optional Modules**

Students taking the 40 credit project option must take no fewer than 20 credits chosen from the modules listed in the Optional Modules below.

#### Special curriculum for students wishing to convert the MSc in Business and Management to the Master of Business Administration.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG920 | Exploring the International Business Environment | 5 | 10 |
| MG921 | Strategy Analysis and Evaluation | 5 | 10 |
| MG922 | Making Strategy | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MG923 | Strategic Consulting in Practice | 5 | 10 |
| MG924/MG865 | MBA Project | 5 | 40/60 |
| MG982 | The Reflective Practitioner | 5 | 20 |

**Optional Modules**

No fewer than 20 credits chosen from the modules listed below:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

#### And

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

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in all elements of the programme.
3. **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 MBA project MG924.
4. **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.
5. **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.
6. **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 MG924 MBA Project in an area related to the specialisation. In addition to other requirements, a candidate must have undertaken 20 credits of optional modules in subjects related to the specialisation.
7. **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.
8. **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

1. In relation to the transfer from the Postgraduate Diploma in Business 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.
2. Applicants holding the MSc in Business and Management who wish to convert their degree to the MBA in accordance with Regulation 3 above must do so within 5 years of qualifying for the MSc. On qualifying for the award of the MBA, candidates will be required to surrender the MSc degree (if conferred) before graduating with the MBA.
3. 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 and award of the Postgraduate Diploma in Business. A student in this category will automatically be barred from re- enrolment on the MBA programme on the basis of this Diploma in Business.

**STRATHCLYDE BUSINESS SCHOOL FACULTY PROGRAMMES**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
   3. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| 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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG970  /MG866 | Individual/Group Project | 5 | 40/60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 FACULTY PROGRAMMES**

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate - no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG970  /MG866 | Individual/Group Project | 5 | 40/60 |

**Examination, Progress and Final Assessment**

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in the coursework, in the written examinations and the Dissertation.

#### Award

1. **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.
2. **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.
3. **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**

**FACULTY PROGRAMMES**

#### Postgraduate Certificate in 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, candidates shall normally possess:
   1. a degree from a United Kingdom University and a minimum of three year’s relevant work experience; or
   2. other qualifications deemed, by the Programme Leader of the relevant study route, acting on behalf of Senate, to be equivalent to i. above and a minimum of three year’s relevant work experience; or
   3. have five years management experience and a satisfactory performance in an appropriate admissions test; or
   4. 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 all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.
3. Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum duration of study for students will be 72 months.

#### Mode of Study

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

#### Curriculum

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

**Optional Modules\***

No fewer than 60 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| GB962 | Marketing Management | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| GB963 | Operations Management | 5 | 10 |
| GB964 | Managing People in Organizations | 5 | 10 |
| MG917 | Financial and Management Accounting | 5 | 10 |
| MG918 | Finance and Financial Management | 5 | 10 |
| MG866 | Analytical Support for Decision Making | 5 | 10 |
| MG920 | Exploring the International Business Environment | 5 | 10 |
| MG921 | Strategy Analysis and Evaluation | 5 | 10 |
| MG922 | Making Strategy | 5 | 10 |
| MG923 | Strategic Consulting in Practice | 5 | 10 |
| MG982 | The Reflective Practitioner | 5 | 20 |

\*for certain pathways some of the above modules will be compulsory.

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

#### Students enrolled on the Postgraduate Certificate (The Weir Group PLC) pathway shall undertake the following modules:

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG918 | Finance and Financial Management | 5 | 10 |
| MG916 | Operations Management | 5 | 10 |
| MG914 | Managing People in Organisations | 5 | 10 |
| MG937 | Programme and Project Management | 5 | 10 |

**Optional Modules**

No fewer than 20 credits chosen from the modules listed below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG922 | Making Strategy | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MG921 | Strategy, Analysis and Evaluation | 5 | 10 |
| MG866 | Analytical Support for Decision Making | 5 | 10 |
| MG920 | Exploring the International Business Environment | 5 | 10 |
| MG917 | Financial and Management Accounting | 5 | 10 |
| MG915 | Marketing Management | 5 | 10 |
| MG923 | Strategic Consulting in Practice | 5 | 10 |
| BF999 | Managing Innovation | 5 | 10 |
| M9831 | Commercial Law | 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.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in all elements of the programme.

#### Award

1. In order to qualify for the degree of Postgraduate Certificate in Management, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

**STRATHCLYDE BUSINESS SCHOOL FACULTY PROGRAMMES**

**RESEARCH METHODOLOGY IN BUSINESS AND MANAGEMENT**

#### Postgraduate Diploma in Research Methodology in Business and Management Postgraduate Certificate in Research Methodology 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the Master of Research in Research Methodology in Business and Management, please see the MRes regulations under the postgraduate research section.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BF991 | Research Philosophy | 5 | 20 |
| BF992 | Research Methods | 5 | 20 |

**Optional Modules**

No fewer than 20 credits chosen from the approved list of optional modules. **Students for the Postgraduate Diploma in addition shall undertake: Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BF984 | Research Colloquium | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| BF801 | Reviewing Literature in Business Subjects | 5 | 10 |
| And either | | | |
| BF994 | Introduction to Quantitative Methods: Survey Design and Analysis | 5 | 10 |
| And | | | |
| BF998 | Advanced Quantitative Methods | 5 | 10 |
| Or | | | |
| BF995 | Advanced Qualitative Methods | 5 | 20 |

**Optional Modules**

No fewer than 40 credits chosen from the approved list of optional 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 |
| BF993 | Research Colloquium\* | 5 | 20 |
| BF995 | Advanced Qualitative Methods\* | 5 | 20 |
| BF996 | Writing and Presenting Research | 5 | 10 |
| BF997 | Interdisciplinary Collaborative Research | 5 | 10 |
| BF998 | Advanced Quantitative Methods\* | 5 | 10 |
| BF994 | Introduction to Advanced Quantitative Methods: Survey Design and Analysis\* | 5 | 10 |
| Z1937 | Entrepreneurship Research | 5 | 10 |
| BF988 | Writing up Postgraduate Research | 5 | 10 |
| RD905 | Researcher Professional Development Elective | 5 | 10 |

\*If not already taken.

Subject-specific modules from other Master’s programmes in the Business School at the discretion of the Programme Leader.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, and coursework.

#### Award

1. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma 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 120 credits from the programme curriculum.
2. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate 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 60 credits from the programme curriculum.

**STRATHCLYDE BUSINESS SCHOOL FACULTY PROGRAMMES**

**STRATHCLYDE EXECUTIVE EDUCATION AND DEVELOPMENT**

#### Master of Strategic Financial Technology (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:
   1. a degree from a UK university, or equivalent academic qualification from a comparable non-UK institution; or
   2. a qualification deemed by the Programme Leader acting on behalf of Senate to be the equivalent of the above; or
   3. have demonstrated competence in a relevant discipline obtained at a level of performance acceptable to the Programme Leader, and
   4. have a minimum of three years’ full-time postgraduate experience.

#### Duration of Study

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The duration of study shall normally be:
   1. Masters by part-time study 30 months
   2. PG Diploma by part-time study 24 months
   3. PG Certificate by part-time study 12 months

#### Mode of Study

1. The programme is available by part-time study only.

#### Curriculum

1. 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in all assessed elements of the course.

## Award

1. **Degree of MSc in Strategic Financial Technology (Fintech)**: 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.
2. **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in **Strategic Financial Technology (Fintech)**: a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
3. **Postgraduate Certificate**: In order to qualify for the award of the postgraduate Certificate in **Strategic Financial Technology (Fintech)**: a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

**STRATHCLYDE BUSINESS SCHOOL**

**HUNTER CENTRE FOR ENTREPRENEURSHIP 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
   3. 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 | Entrepreneurial Management and Leadership | 5 | 10 |
| Z1976 | Social Entrepreneurship | 5 | 10 |
| Z1980 | Creativity and Venture Planning | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| Z1982 | Entrepreneurial Finance | 5 | 20 |
| Z19XX | 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Virtual Incubator Project where undertaken.

#### Award

1. **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.
2. **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 programme.
3. **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 programme.

**STRATHCLYDE BUSINESS SCHOOL**

**HUNTER CENTRE FOR ENTREPRENEURSHIP 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
   3. for the degree of MSc no fewer than 180 credits including a dissertation or project.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Z1971 | Professional Management Practice | 5 | 20 |
| Z1966 | Consulting in Practice | 5 | 10 |
| Z1957 | Entrepreneurial Management and Leadership | 5 | 10 |
| Z1951 | Issues and Trends in Entrepreneurship, Innovation and Technology | 5 | 10 |
| Z1961 | Strategic Innovation Management | 5 | 10 |
| Z1963 | Business Operations | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Z1982 | Entrepreneurial Finance | 5 | 20 |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Z1977 | Dissertation | 5 | 40 |

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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 40 must have been awarded in respect of the dissertation Z1977.
2. **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.
3. **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**

**HUNTER CENTRE FOR ENTREPRENEURSHIP SOCIAL INNOVATION AND ENTREPRENEURSHIP**

#### Master of Science in Social Innovation and Entrepreneurship Postgraduate Diploma in Social Innovation and Entrepreneurship Postgraduate Certificate in Social Innovation and Entrepreneurship

*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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits from the curriculum
   2. for the Postgraduate Diploma no fewer than 120 credits from the curriculum
   3. for the degree of MSc no fewer than 180 credits from the curriculum including a project.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Z1984 | Global Innovation Lab | 5 | 10 |
| Z1981 | Social Strategy Lab | 5 | 10 |
| Z1980 | Creativity and Venture Planning | 5 | 20 |
| Z1960 | Mindset Lab | 5 | 10 |
| Z1951 | Issues and Trends in Entrepreneurship, Innovation and Technology | 5 | 10 |
| MS981 | Data Lab | 5 | 10 |
| Z1961 | Strategic Innovation Management | 5 | 10 |
| Z1982 | Entrepreneurial Finance | 5 | 20 |
| Z1957 | Entrepreneurial Management and Leadership | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Z1976 | Social Entrepreneurship | 5 | 10 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Z1983 | Project in Social Enterprise | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the assessments, coursework and the Project in Social Enterprise where undertaken.

#### Award

1. **Degree of MSc**: In order to qualify for the degree of MSc in Social Innovation and Entrepreneurship, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Social Innovation and Entrepreneurship, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Social Innovation and Entrepreneurship, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

**STRATHCLYDE BUSINESS SCHOOL DEPARTMENT OF MANAGEMENT SCIENCE**

**BUSINESS ANALYSIS AND CONSULTING**

#### Master of Science in Business Analysis and Consulting 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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

1. The programmes are available by full-time and part-time study and by distance learning.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| MS923 | Managing Business Operations | 5 | 10 |
| MS924 | Spreadsheet Modelling and Demand Forecasting | 5 | 10 |
| MS925 | Strategy Modelling and Management | 5 | 10 |

**Optional Modules**

No fewer than 10 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 |

#### Students for the Postgraduate Diploma and the degree of MSc in addition shall undertake:

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MS930 | Becoming an Effective Business Analyst | 5 | 40 |

**Optional Modules**

No fewer than 20 credits chosen from the list of optional modules above.

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

**Compulsory Module**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MS931 | Dissertation | 5 | 60 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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.

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by full-time, part-time study and by distance learning.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits\*
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| CS988 | Big Data Tools and Techniques | 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 |
| MM509 | Mathematical Introduction to Networks | 5 | 20 |
| 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment 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

1. **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.
2. **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.
3. **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 taught modules of the programme.

**STRATHCLYDE BUSINESS SCHOOL DEPARTMENT OF MANAGEMENT SCIENCE**

**GLOBAL INDUSTRIAL MANAGEMENT**

#### Master of Science in Global Industrial Management Postgraduate Diploma in Industrial Management (International) Postgraduate Certificate in Industrial Management

*These regulations are to be read in conjunction with the General Academic Regulations - Postgraduate Taught Degree Programme Level.*

1. The programme is offered jointly between the University of Strathclyde and Politecnico di Milano, and the awards are made separately by 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Duration of Study

1. The normal duration of study for the degree of MSc by full-time study will be 18 months.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the Degree of MSc no fewer than 260 credits including an integrating dissertation.
2. **First Year** - All students shall spend the first year at the University of Strathclyde and Politecnico di Milano, respectively, undertaking modules as follows:

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| AG939 | Accounting for Engineers | 5 | 10 |
| MK818 | Marketing Management | 5 | 10 |
| HR978 | Managing People in Organisations | 5 | 10 |
| Z1962 | Business Strategy | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MS927 | Risk Analysis and Management | 5 | 10 |
| MS926 | Business Simulation Methods | 5 | 10 |
| BF812 | Semester 2 Study in Politecnico di Milano | 5 | 80 |

No fewer than 20 credits, study online, chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MS922 | Quantitative Business Analysis | 5 | 10 |
| MS924 | Spreadsheet Modelling and Demand Forecasting | 5 | 10 |
| CS989 | Big Data Fundamental | 5 | 10 |

1. **Second Year** - Students shall spend semester 1 of their second year at an approved partner institution completing international study, as defined in the programme handbook.

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BF813 | Semester 3 International Study | 5 | 75 |

All students must complete a final integrating dissertation:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MS995 | Integrating Dissertation | 5 | 25 |

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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. 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.
3. In order to progress to the second year of the programme, a student must normally have accumulated no fewer than 140 credits from the agreed curriculum in the first year.
4. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.
5. The final assessment and degree award classification will be based the results of the first attempt in the examinations, coursework and the Integrating Dissertation. The results of resits are used for accumulation of credits only.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Industrial Management (International), a candidate must have accumulated no fewer than 260 credits.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Industrial Management (International), a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Industrial Management, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.

#### Transfer

1. Students who do not perform at MSc level may be considered for a Postgraduate Diploma or a Postgraduate Certificate in Industrial Management (International), to be awarded by the University of Strathclyde only.

**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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level, shall apply.

#### Mode of Study

1. The programmes are available by full-time and part-time.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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:

***The offering of electives listed from HaSS may vary from year to year depending on their semester offering.***

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| V1972 | Governing Highs And Health: History And The Control Of Drugs | 5 | 20 |
| V1991 | Medicine, Health And The Moving Image | 5 | 20 |
| V1979 | Food And Health In The West During The Twentieth Century | 5 | 20 |
| V1981 | Medicine And Warfare, 1800-2000 | 5 | 20 |
| P3977 | Media and Health | 5 | 20 |
| QQ981 | Fleshy Histories: Meat Eating And Meat Avoidance, 1500 To The Present | 5 | 20 |

#### 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**

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level, shall apply.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 Postgraduate Diploma in Operational Research Postgraduate Certificate in Operational Research

*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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. 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

1. The programme is available by distance learning only.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| MS923 | Managing Business Operations | 5 | 10 |
| MS924 | 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** |
| MS926 | Business Simulation Methods | 5 | 10 |
| MS927 | Risk Analysis and Management | 5 | 10 |
| MS928 | 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** |
| MS931 | Dissertation | 5 | 60 |

**Examination, Progress and Final Assessment**

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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 MS931.
2. **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.
3. **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.

**STRATHCLYDE BUSINESS SCHOOL DEPARTMENT OF MANAGEMENT SCIENCE**

**PROJECT MANAGEMENT**

#### Master of Science 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the degree of MSc no fewer than 240 credits from the curriculum including a dissertation

#### University of Strathclyde Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MG835 | Project Portfolio Management | 5 | 10 |
| MG821/ HR977\* | Leadership for Change and Innovation | 5 | 10 |
| Z1951 | Issues and Trends in Entrepreneurship, Innovation and Technology | 5 | 10 |
| MG831 | Commercial Management | 5 | 10 |
| DM992 | Strategic Procurement Management | 5 | 10 |
| MG836 | Consulting in Practise | 5 | 10 |

\*Module code is dependent on student timetable.

#### Politecnico di Milano Optional Modules

20 credits from the list of optional modules listed in the Regulations for the Master in Business Administration.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BF807 | Semester 1 Study in Politecnico di Milano | 5 | 75 |
| BF986 | Extended dissertation | 5 | 85 |

#### Examination, Progress and Final Assessment

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.

**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:
   1. an upper second-class Honours degree in Business with Marketing modules; or
   2. 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Mode of study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits,
   2. for the Postgraduate Diploma no fewer than 120 credits,
   3. for the degree of MSc no fewer than 180 credits including a dissertation.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK814 | eMarketing in Practice | 11 | 20 |
| MK815 | Marketing Research in a Digital Age | 11 | 20 |
| MK816 | Strategic Digital Marketing | 11 | 20 |
| MK817 | Supply Chain Digitalisation | 11 | 10 |
| MK968 | Key Skills | 11 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MK975 | Cross-Cultural Buyer Behaviour | 11 | 20 |
| MK985 | Contemporary Consumers | 11 | 10 |
| MK994 | Integrated Marketing Communications | 11 | 10 |
| MS928 | Business Information Systems | 11 | 10 |
| MG837/HR977\* | Leadership for Change and Innovation | 11 | 10 |

\* Module code is dependent on timetabling

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK813 | Digital Transformative Project | 11 | 40 |

Or other modules approved by the Programme Director.

#### Progress, Examination and Final Assessment

1. In order to progress to the degree of MSc Digital Marketing Management a student must have successfully accumulatedat least 140 credits from the programme curriculum.
2. The final assessment will be based on performance in the assessments, coursework and the Digital Transformative Project.

#### Award

1. **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.
2. **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.
3. **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**

**INNOVATION & MARKETING MANAGEMENT**

#### MSc in Innovation & Marketing Management

**Postgraduate Diploma in Innovation & Marketing Management Postgraduate Certificate in Innovation & Marketing 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits from the curriculum including a dissertation.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK977 | International Marketing Research | 5 | 10 |
| MK983 | Brand Management & Strategy | 5 | 10 |
| MK970 | Strategic Marketing Management | 5 | 20 |
| DM920 | Strategic Technology Management | 5 | 10 |
| DM926 | Supply Chain Operations | 5 | 10 |
| EF927 | Design Management | 5 | 10 |
| DM944 | Product Costing and Financial Management | 5 | 10 |
| DM981 | Management of Innovation | 5 | 10 |
| DM992 | Strategic Procurement Management | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MK973 | Marketing Works | 5 | 20 |

**Optional Modules**

20 credits to be chosen from the following ensuring that 10 credits come from List A and 10 credits from List B.

**List A**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK812 | B2B Key Account Management | 5 | 10 |
| MK992 | Export Marketing | 5 | 10 |
| MK998 | International Services Marketing | 5 | 10 |

**List B**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM934 | Design Methods | 5 | 10 |
| DM935 | Management of Total Quality and Continuous Improvement | 5 | 10 |
| EF931 | Project Management | 5 | 10 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK967 | Dissertation |  | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the dissertation (in the case of the MSc).

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Innovation and Marketing Management, a student must have accumulated no fewer than 180 credits, of which 40 need to be accumulated through MK967 Dissertation.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Innovation and Marketing Management, a student must have accumulated no fewer than 120 credits from the taught modules of the programme.
3. **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Innovation and Marketing Management, a candidate must have accumulated no fewer than 60 credits from the core taught modules of the programme.

**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:
   1. a first or upper second class Honours degree of a United Kingdom University (in a cognate discipline); or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a dissertation.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK808 | Strategic Global Marketing | 5 | 20 |
| MK968 | Key Skills | 5 | 10 |
| MK969 | Dissertation Skills | 5 | 10 |
| MK975 | Cross-Cultural Buyer Behaviour | 5 | 20 |
| MK977 | International Marketing Research | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MK978 | Marketing Works International | 5 | 20 |
| MK983 | Brand Management and Strategy | 5 | 10 |

**Optional Modules**

40 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| MK988 | Customer Management 1 | 5 | 10 |
| MK989 | Customer Management 2 | 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 Specialisation in Customer Management | 5 | 10 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK967 | Dissertation | 5 | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the dissertation (in the case of the MSc).
3. 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 dissertation where appropriate and have one further attempt to pass the relevant module(s), normally in the same academic year.
4. The final assessment will be based on performance in the coursework, in the written examinations and the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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:
   1. a first or Upper second class Honours degree in any discipline from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a dissertation.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK970 | Strategic Marketing Management | 5 | 20 |
| MK977 | International Marketing Research | 5 | 10 |
| MK972 | Consumer Behaviour | 5 | 20 |
| MK973 | Marketing Works | 5 | 20 |
| MK983 | Brand Management and Strategy | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MK968 | Key Skills | 5 | 10 |
| MK969 | Dissertation Skills | 5 | 10 |

**Optional Modules**

40 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| MK988 | Customer Management 1 | 5 | 10 |
| MK989 | Customer Management 2 | 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK967 | Dissertation | 5 | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the dissertation (in the case of the MSc).
3. Candidates for the degree of MSc who fail to satisfy the Board of Examiners in not more than 20 credits at the first diet of examinations may, at the discretion of the Board of Examiners, be permitted to proceed to the dissertation and have one further attempt to pass the relevant module(s) normally in the same academic year.
4. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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 and 10 for Dissertation Skills MK969.
2. **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.
3. **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:
   1. a first or Upper second class Honours degree in any discipline from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a dissertation and an Industry 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 |
| MK969 | Dissertation Skills | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MK970 | Strategic Marketing Management | 5 | 20 |
| MK973 | Marketing Works | 5 | 20 |
| MK977 | International Marketing Research | 5 | 10 |
| MK983 | Brand Management and Strategy | 5 | 10 |
| MK990 | Destination Marketing and Management | 5 | 10 |
| MK998 | International Services Marketing | 5 | 10 |

**Optional Modules**

10 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| MK988 | Customer Management 1 | 5 | 10 |
| MK989 | Customer Management 2 | 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MK967 | Dissertation | 5 | 40 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the dissertation (in the case of the MSc).

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| HR952 | Managing Talent and Succession Planning | 5 | 10 |
| HR959 | Employment Issues and the Law | 5 | 10 |
| HR964 | Managing Human Resources in Multinationals | 5 | 10 |
| HR965 | Work, Wellbeing and New Technologies | 5 | 10 |

Or such other level 5 modules as may be approved by the Programme Leader.

#### 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Award

1. **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.
2. **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.
3. **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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The programmes are available by full-time.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **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.
2. 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.
3. 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:
   1. a first or second class honours degree in any discipline from a United Kingdom University; or
   2. other qualifications deemed, by the programme Leader (or nominee) acting on behalf of Senate, to be equivalent to (i) above; or
   3. 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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| HR952 | Managing Talent and Succession Planning | 5 | 10 |
| HR958 | People Resourcing | 5 | 10 |
| HR959 | Employment Issues and the Law | 5 | 10 |
| HR965 | Work, Wellbeing and New Technologies | 5 | 10 |

Or such other level 5 modules as may be approved by the Programme Leader.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| HR953 | Integrated Dissertation and Reflective Research Report | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

#### Award

1. **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.
2. **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 programme curriculum.
3. **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 programme curriculum.

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES ADVANCED COMPUTER SCIENCE**

**Master of Science in Advanced Computer Science Master of Science in Advanced Software Engineering Master of Science in Enterprise Information Systems**

**Master of Science in Advanced Computer Science with Big Data**

**Master of Science in Advanced Computer Science with Artificial Intelligence Postgraduate Diploma in Advanced Computer Science**

**Postgraduate Diploma in Advanced Software Engineering Postgraduate Diploma in Enterprise Information Systems Postgraduate Diploma in Advanced Computer Science with Big Data**

**Postgraduate Diploma in Advanced Computer Science with Artificial Intelligence Postgraduate Certificate in Advanced Computer Science**

**Postgraduate Certificate in Advanced Software Engineering Postgraduate Certificate in Enterprise Information Systems Postgraduate Certificate in Computer Science with Big Data**

**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:
   1. a first or second class Honours degree from a United Kingdom university (in Computer Science or a closely related subject); or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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.

**Advanced Software Engineering**

A total of 100 credits from the following list:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 |
| MS418 | Project Management\* | 4 | 20 |
| CS409 | Software Architecture and Design\* | 4 | 20 |

\*Either MS418 Project Management or CS409 Software Architecture and Design

**Enterprise Information Systems**

A total of 100 credits from the following list:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CS549 | Distributed Information Systems | 5 | 20 |
| CS985 | Machine Learning for Data Analytics | 5 | 20 |
| CS982 | Big Data Technologies | 5 | 20 |
| CS975 | Business Analysis | 5 | 10 |
| CS976 | Information Retrieval | 5 | 10 |
| MS418 | Project Management | 4 | 20 |

**Advanced Computer Science with Big Data**

A total of 100 credits from the following list:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CS549 | Distributed Information Systems | 5 | 20 |
| CS982 | Big Data Technologies | 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 |

**Advanced Computer Science with Artificial Intelligence**

A total of 100 credits from the following list:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CS824 | Quantitative Methods for Artificial Intelligence | 5 | 10 |
| CS826 | Deep Learning Theory and Practices | 5 | 20 |
| CS823 | Reasoning for Intelligent Agents | 5 | 20 |
| CS827 | Deep Learning in Visual Computing Applications | 5 | 10 |
| CS825 | Game Theory and Multi-agent Systems | 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 |
| CS976 | Business Analysis | 5 | 10 |
| CS983 | Evolutionary Computation for Finance 1 (not with CS815) | 5 | 10 |
| CS988 | Big Data Tools and Technologies | 5 | 10 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project, where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme.
3. **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 taught 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:
   1. a first or second class Honours degree in Computer Science or closely related discipline from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project, where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme.
3. **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 taught 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:
   1. a first or second class Honours degree from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project, where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme.
3. **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 taught 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| 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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project CS958 where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme.
3. **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 taught 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the project where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme.
3. **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 taught modules of the programme.

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER AND INFORMATION SCIENCES INFORMATION MANAGEMENT**

**Master of Science in Information Management with Industrial Placement Master of Science in Information Management**

**Postgraduate Diploma in Information Management**

**Postgraduate Diploma in Information Management with Industrial Placement 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply with exception of MSc Information Management with Industrial Placement that has a minimum period of study of 15 months and a maximum period of 39 months and PG Dip Information Management with Industrial Placement that has a minimum period of study of 12 months and a maximum period of 27 months.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the Postgraduate Diploma with Industrial Placement no fewer than 150 credits including industrial placement
   4. for the degree of MSc no fewer than 180 credits including a project
   5. for the degree of MSc with Industrial Placement no fewer than 210 credits including industrial placement and 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 |
| CS977 | Industrial Placement\* | 5 | 30 |
| CS958 | Project\*\* | 5 | 60 |

\* For the degree of MSc Information Management with Industrial Placement only

\*\* For the degree of MSc (including MSc with Industrial Placement) only

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the industrial placement and the dissertation where undertaken.

#### Award

1. 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.
2. Degree of MSc Information Management with Industrial Placement: In order to qualify for the award of the degree of MSc in Information Management with industrial placement, a candidate must have accumulated no fewer than 210 credits, of which 30 must have been awarded in respect of the industrial placement CS977 and 60 must have been awarded in respect of the project CS958.
3. 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 taught modules of the programme.
4. Postgraduate Diploma in Information Management with Industrial Placement: In order to qualify for the award of the Postgraduate Diploma in Information Management with industrial placement, a candidate must have accumulated no fewer than 150 credits from the taught modules of the programme including 30 awarded in respect of the industrial placement CS977.
5. 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 taught 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:
   1. a first or second class Honours degree from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project, where undertaken.

#### Award

1. 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.
2. 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 taught modules of the programme.
3. 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 taught modules of the programme.

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |

**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 in Banks | 5 | 10 |
| AG937 | Fixed Income Analysis | 5 | 10 |
| MM905 | Financial Econometrics | 5 | 10 |
| MM904 | Financial Stochastic Processes | 5 | 10 |
| MM913 | Quantitative Risk Analysis | 5 | 10 |
| MS927 | Risk Analysis and Management | 5 | 10 |
| EC947 | Topics in Public Economics | 5 | 10 |
| EC949 | International Macroeconomics | 5 | 10 |
| EC955 | International Trade Theory and Policy | 5 | 10 |
| MM908 | Research Project\* | 5 | 40 |

\*For the degree of MSc only

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the research project where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme.
3. **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 taught modules of the programme.

**FACULTY OF SCIENCE**

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

#### 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:
   1. 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

* 1. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.

1. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the degree of MSc no fewer than 180 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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)

1. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme, including at least 100 credits at Level 5.
3. **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 taught modules of the programme, including at least 50 credits at Level 5.

**FACULTY OF SCIENCE**

**DEPARTMENT OF MATHEMATICS AND STATISTICS APPLIED STATISTICS IN HEALTH SCIENCES**

#### Master of Science in Applied Statistics in Health Sciences

**Master of Science in Applied Statistics in Health Sciences (Online) Postgraduate Diploma in Applied Statistics in Health Sciences Postgraduate Diploma in Applied Statistics in Health Sciences (Online) Postgraduate Certificate in Applied Statistics in Health Sciences Postgraduate Certificate in Applied Statistics in Health Sciences (Online)**

*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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MM914 | Foundations of Probability and Statistics | 5 | 20 |
| MM916 | Data Analytics in R | 5 | 20 |
| MM909 | Medical Statistics | 5 | 20 |
| MM911 | Effective Statistical Consultancy | 5 | 10 |
| MM912 | Survey Design and Analysis | 5 | 10 |
| MM915 | Spatial Statistics | 5 | 10 |
| MM913 | Quantitative Risk Analysis | 5 | 10 |
| MM953 | Experimental Design | 5 | 10 |
| MM954 | Multivariate Analysis | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MM550 | MSc Project\* | 5 | 60 |
| Or other modules as approved by the Programme Director | | | |

\*For the degree of MSc only

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **Degree of MSc**: In order to qualify for the award of the degree of the MSc in Applied Statistics in Health Sciences, 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 MM550.
2. **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Applied Statistics in Health Sciences, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
3. **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Applied Statistics in Health Sciences, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

**FACULTY OF SCIENCE**

**DEPARTMENT OF MATHEMATICS AND STATISTICS APPLIED STATISTICS**

**Master of Science in Applied Statistics**

**Master of Science in Applied Statistics in Health Sciences Master of Science in Applied Statistics with Data Science Master of Science in Applied Statistics in Finance Postgraduate Diploma in Applied Statistics**

**Postgraduate Diploma in Applied Statistics in Health Sciences Postgraduate Diploma in Applied Statistics with Data Science Postgraduate Diploma in Applied Statistics in Finance Postgraduate Certificate in Applied Statistics**

**Postgraduate Certificate in Applied Statistics in Health Sciences Postgraduate Certificate in Applied Statistics with Data Science Postgraduate Certificate in Applied Statistics in Finance**

*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:
   1. a first or second class Honours degree from a United Kingdom university or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a research project

**On-campus MSc Applied Statistics**

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

**Optional Modules**

Students should choose 60 credits of optional modules from the list available in the programme handbook.

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 listed above (with the exception of MM550 which cannot be substituted).

**Online MSc Applied Statistics**

#### Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

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 listed above (with the exception of MM930 which cannot be substituted).

**Optional Modules**

Students should choose 60 credits of optional modules from the list available in the programme handbook.

**On-campus MSc Applied Statistics with Data Science**

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |

|  |  |  |  |
| --- | --- | --- | --- |
| CS988 | Big Data Tools and Techniques | 5 | 10 |
| CS989 | Big Data Fundamentals | 5 | 10 |
| MM550 | MSc Project | 5 | 60 |

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 listed above (with the exception of MM550 which cannot be substituted).

**Optional Modules**

Students should choose 40 credits of optional modules from the list available in the programme handbook.

**Online MSc Applied Statistics with Data Science**

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| CS817 | Big Data Tools and Techniques | 5 | 10 |
| CS818 | Big Data Fundamentals | 5 | 10 |
| MM930 | MSc Project | 5 | 60 |

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 listed above (with the exception of MM930 which cannot be substituted).

**Optional Modules**

Students should choose 40 credits of optional modules from the list available in the programme handbook.

**On-campus MSc Applied Statistics in Finance**

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| MM904 | Financial Stochastic Processes | 5 | 10 |
| MM905 | Financial Econometrics | 5 | 10 |
| MM550 | MSc Project | 5 | 60 |

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 listed above (with the exception of MM550 which cannot be substituted).

**Optional Modules**

Students should choose 40 credits of optional modules from the list available in the programme handbook.

**Online MSc Applied Statistics in Finance**

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| MM955 | Financial Econometrics | 5 | 10 |
| MM956 | Financial Stochastic Processes | 5 | 10 |
| MM930 | MSc Project | 5 | 60 |

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 listed above (with the exception of MM930 which cannot be substituted).

**Optional Modules**

Students should choose 40 credits of optional modules from the list available in the programme handbook.

**On-campus MSc Applied Statistics in Health Sciences**

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MM914 | Foundations of Probability and Statistics | 5 | 20 |
| MM916 | Data Analytics in R | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| MM909 | Medical Statistics | 5 | 20 |
| MM911 | Effective Statistical Consultancy | 5 | 10 |
| MM912 | Survey Design and Analysis | 5 | 10 |
| MM915 | Spatial Statistics | 5 | 10 |
| MM913 | Quantitative Risk Analysis | 5 | 10 |
| MM953 | Experimental Design | 5 | 10 |
| MM954 | Multivariate Analysis | 5 | 10 |
| MM550 | MSc Project | 5 | 60 |

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 listed above (with the exception of MM550 which cannot be substituted).

**Online MSc Applied Statistics in Health Sciences**

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| 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 |
| MM930 | MSc Project | 5 | 60 |

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 listed above (with the exception of MM930 which cannot be substituted).

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **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 (either MM550 or MM930).
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Statistics, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
3. **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Applied Statistics, a candidate must have accumulated no fewer than 60 credits from the taught 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including three research reports or a dissertation.

**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 |
| MM908 | Research Project\* | 5 | 40 |

\*For the degree of MSc only

**Optional Modules**

60 credits with students choosing 20 credits of modules from each of Lists A, B and C.

**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 |
| MM904 | Financial Stochastic Processes | 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 |

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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

#### Award

1. **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 either the dissertation or the research project MM908.
2. **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 taught modules of the programme.
3. **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 taught 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:
   1. 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
   2. 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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| PH959 | Experimental Quantum and Atom Optics | 5 | 20 |
| PH960 | Advanced Topics in Photonics | 5 | 20 |
| PH962 | Photonic Materials and Devices | 5 | 20 |
| PH963 | Advanced Photonic Devices and Applications | 5 | 20 |
| PH964 | Theoretical Quantum Information | 5 | 20 |
| PH965 | Quantum Optics, Nonlinearity and Open Quantum Systems | 5 | 20 |
| EE473 | Photonic Systems | 4 | 20 |
| PH452 | Topics in Physics | 4 | 20 |
| PH453 | Topics in Solid State Physics | 4 | 20 |
| PH454 | Topics in Nanoscience | 4 | 20 |
| PH455 | Topics in Photonics | 4 | 20 |
| PH456 | Topics in Computational and Complex Systems in Physics | 4 | 20 |
| PH457 | Topics in Theoretical Physics | 4 | 20 |
| PH459 | Topics in Atomic, Molecular and Nuclear Physics | 4 | 20 |
| PH462 | Topics in Quantum Optics | 4 | 20 |
| PH551 | Research Skills | 5 | 20 |
| PH552 | Advanced Topics in Physics | 5 | 20 |
| PH553 | Advanced Topics in Solid State Physics | 5 | 20 |
| PH554 | Advanced Topics in Nanoscience | 5 | 20 |
| PH556 | Advanced Topics in Complex Systems | 5 | 20 |
| PH557 | Advanced Topics in Theoretical Physics | 5 | 20 |
| PH558 | Advanced Topics in Quantum Physics | 5 | 20 |
| PH559 | Advanced Topics in Nuclear Physics | 5 | 20 |
| PH560 | Advanced Topics in Electromagnetism and Plasma Physics | 5 | 20 |
| PH562 | Advanced Topics in Quantum Optics | 5 | 20 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project.

#### Award

1. **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.
2. **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.
3. **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:
   1. 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
   2. 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

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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

**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 |
| PH959 | Experimental Quantum and Atom Optics | 5 | 20 |
| PH960 | Advanced Topics in Photonics | 5 | 20 |
| PH962 | Photonic Materials and Devices | 5 | 20 |
| PH963 | Advanced Photonic Devices and Applications | 5 | 20 |
| PH964 | Theoretical Quantum Information | 5 | 20 |
| PH965 | Quantum Optics, Nonlinearity and Open Quantum Systems | 5 | 20 |
| EE473 | Photonic Systems | 4 | 20 |
| PH452 | Topics in Physics | 4 | 20 |
| PH453 | Topics in Solid State Physics | 4 | 20 |
| PH454 | Topics in Nanoscience | 4 | 20 |
| PH455 | Topics in Photonics | 4 | 20 |
| PH456 | Topics in Computational and Complex Systems in Physics | 4 | 20 |
| PH457 | Topics in Theoretical Physics | 4 | 20 |
| PH459 | Topics in Atomic, Molecular and Nuclear Physics | 4 | 20 |
| PH462 | Topics in Quantum Optics | 4 | 20 |
| PH551 | Research Skills | 5 | 20 |
| PH552 | Advanced Topics in Physics | 5 | 20 |
| PH553 | Advanced Topics in Solid State Physics | 5 | 20 |
| PH554 | Advanced Topics in Nanoscience | 5 | 20 |
| PH556 | Advanced Topics in Complex Systems | 5 | 20 |
| PH557 | Advanced Topics in Theoretical Physics | 5 | 20 |
| PH558 | Advanced Topics in Quantum Physics | 5 | 20 |
| PH559 | Advanced Topics in Nuclear Physics | 5 | 20 |
| PH560 | Advanced Topics in Electromagnetism and Plasma Physics | 5 | 20 |
| PH562 | Advanced Topics in Quantum Optics | 5 | 20 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the first attempt examinations, coursework and the project.

#### Award

1. **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.
2. **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.
3. **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:
   1. 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
   2. 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

1. Some individual research projects may require off-campus work.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate – no fewer than 60 credits
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project.

#### Award

1. 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.
2. 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.
3. 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 taught 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:
   1. 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
   2. 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

1. Some individual research projects may require off-campus work.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project.

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| PH949 | Physics Skills | 5 | 20 |
| PH953 | Introductory Nanoscience | 5 | 20 |
| PH955 | Advanced Nanoscience 1 | 5 | 20 |
| PH956 | Advanced Nanoscience 2 | 5 | 20 |
| CH907 | Advanced Nanoscience 3 | 5 | 20 |
| PH954 | Physics Conversion Programme\* | 5 | 20 |
| CH906 | Chemistry Conversion Programme\* | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| PH952 | Project\*\* | 5 | 60 |

\*Either PH954 Physics Conversion Programme or CH906 Chemistry Conversion Programme

\*\*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.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, and the project.

#### Award

1. **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.
2. **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.
3. **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 taught modules of the programme.

**FACULTY OF SCIENCE DEPARTMENT OF PHYSICS**

**OPTICAL TECHNOLOGIES**

#### Master of Science in Optical Technologies Postgraduate Diploma in Optical Technologies Postgraduate Certificate in Optical Technologies

*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:
   1. 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
   2. 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

1. Some individual research projects may require off-campus work.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |

**Optional Modules**

No fewer than 100 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 |
| PH957 | Topics in Photonics | 5 | 20 |
| PH958 | Optical Design | 5 | 20 |
| PH959 | Experimental Quantum and Atom Optics | 5 | 20 |
| PH960 | Advanced Topics in Photonics | 5 | 20 |
| PH962 | Photonic Materials and Devices | 5 | 20 |
| PH963 | Advanced Photonic Devices and Applications | 5 | 20 |
| PH964 | Theoretical Quantum Information | 5 | 20 |
| PH965 | Quantum Optics, Nonlinearity and Open Quantum Systems | 5 | 20 |
| EE473 | Photonic Systems | 4 | 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.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| PH952 | Project | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project.

#### Award

1. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Optical Technologies, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH 952.
2. **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Optical Technologies, a candidate must have accumulated no fewer than 120 credits from the classes of the programme.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Optical Technologies, a candidate must have accumulated no fewer than 60 credits from the taught classes of the programme.

**FACULTY OF SCIENCE DEPARTMENT OF PHYSICS**

**QUANTUM INFORMATION AND COHERENCE**

#### Master of Science in Quantum Information and Coherence Postgraduate Diploma in Quantum Information and Coherence Postgraduate Certificate in Quantum Information and Coherence

*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:
   1. 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
   2. 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

1. Some individual research projects may require off-campus work.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |
| PH959 | Experimental Quantum and Atom Optics | 5 | 20 |
| PH964 | Theoretical Quantum Information | 5 | 20 |
| PH965 | Quantum Optics, Nonlinearity and Open Quantum Systems | 5 | 20 |

**Optional Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| PH953 | Introductory Nanoscience | 5 | 20 |
| PH955 | Advanced Nanoscience 1 | 5 | 20 |
| PH957 | Topics in Photonics | 5 | 20 |
| PH958 | Optical Design | 5 | 20 |
| PH960 | Advanced Topics in Photonics | 5 | 20 |
| PH952 | Project\* | 5 | 60 |

\*For the degree of MSc only

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

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project.

#### Award

1. **Degree of MSc**: In order to qualify for the award of the degree of MSc in Quantum Information and Coherence, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.
2. **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Quantum Information and Coherence, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.
3. **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Quantum Information and Coherence, 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 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:
   1. 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
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
   3. be deemed, by the Programme Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.
   4. In addition, applicants applying in terms of (iii) above should possess appropriate formal education in Chemistry.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of study

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

#### Place of Study

1. In accordance with the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |

#### Students for the degree of MSc only

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 99900 | Dissertation | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework together with the dissertation where undertaken.

#### Award

1. **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.
2. **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.
3. **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 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:
   1. they were originally enrolled in the OPTIMA CDT for a PhD with Integrated Study in Optical Medical Imaging with Healthcare Innovation and Entrepreneurship,
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits,
   2. for the Postgraduate Diploma no fewer than 120 credits,
   3. for the degree of MSc no fewer than 180 credits including a placement.
2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework together with the placement where undertaken.

#### Award

1. **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.
2. **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.
3. **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:

* 1. a degree in pharmacy from a United Kingdom university or;
  2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a Research Project.

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP803 | Advanced Clinical Assessment and Consultation | 5 | 20 |
| MP805 | Advanced Therapeutics and Health Innovation | 5 | 20 |
| MP802 | Quality Improvement Methodology | 5 | 20 |
| MP804 | Research Skills | 5 | 20 |
| MP801 | Clinical Service Development | 5 | 10 |
| MP806 | Clinical Practice Attachment | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| MP808 | Pharmacist Independent Prescribing\* | 5 | 30 |
| MP807 | 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the Project.

#### Award

1. **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 MP807 Research Project.
2. **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 MP807 Research Project and 30 must have been awarded in respect of MP808 Pharmacist Independent Prescribing.
3. **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.
4. **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 taught 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum period of study shall be as follows:
   1. Masters by full-time study 24 months
   2. PG Diploma by full-time study 18 months
   3. PG Certificate by full-time study 12 months
   4. Masters by part-time study 48 months elapsed time
   5. PG Diploma by part-time study 36 months elapsed time
   6. PG Certificate by part-time study 24 months elapsed time

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a research project.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP931 | Generic Biomedical and Pharmaceutical Research Skills | 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 |
| MP935 | Research Project\* | 5 | 60 |

\*For the degree of MSc only

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the written examinations and the coursework.

#### Award

1. **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 MP935.
2. **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 taught modules of the programme.
3. **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 taught 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum period of study shall be as follows:
   1. Masters by full-time study 24 months
   2. PG Diploma by full-time study 18 months
   3. PG Certificate by full-time study 12 months
   4. Masters by part-time study 48 months elapsed time
   5. PG Diploma by part-time study 36 months elapsed time
   6. PG Certificate by part-time study 24 months elapsed time

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a research project.

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP931 | Generic Biomedical and Pharmaceutical Research Skills | 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 |
| MP935 | Continuous Manufacturing Research Project\* | 5 | 60 |

\*For the degree of MSc only

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the written examinations and the coursework.

#### Award

1. **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 MP935.
2. **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 taught modules of the programme.
3. **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 taught 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 Advanced Immunology Master of Science Advanced Pharmacology Master of Science Advanced Biochemistry Master of Science Molecular Microbiology

**Master of Science 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum period of study shall be as follows:
   1. Masters by full-time study 24 months
   2. Masters by part-time study 48 months elapsed time

#### Mode of Study

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

#### Curriculum

1. All students shall complete an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits gained
   2. for the Postgraduate Diploma no fewer than 120 credits gained
   3. for the degree of MSc no fewer than 180 credits gained including a project.

**Compulsory Modules**

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

|  |  |  |  |
| --- | --- | --- | --- |
| MP931 | Generic Biomedical and Pharmaceutical Research Skills | 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 |
| BM906 | Biomedical Sciences Project\*\* | 5 | 60 |

\*MP942 is not compulsory for Neuroscience and Mental Health programmes

\*\*For the degree of MSc only

Together with optional modules appropriate to the chosen programme.

**Optional Modules**

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 |

**Optional Modules**

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 |
| BM944 | Postgraduate Studies in Applied Immunology | 5 | 20 |

**Optional Modules**

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 |
| BM946 | Postgraduate Studies in Applied Pharmacology | 5 | 20 |

**Optional Modules**

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 |
| BM942 | Postgraduate Studies in Applied Biochemistry | 5 | 20 |

**Optional Modules**

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 |
| BM943 | Postgraduate Studies in Applied 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the written examinations and the coursework.

#### Award

1. **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 BM906.
2. **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.
3. **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 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum period of study shall be as follows:
   1. Masters by full-time study 24 months
   2. Masters by part-time study 48 months elapsed time

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the degree of MSc – no fewer than 180 credits including a project
   2. for the Postgraduate Diploma – no fewer than 120 credits
   3. for the Postgraduate Certificate – no fewer than 60 credits

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP931 | Generic Biomedical and Pharmaceutical Research Skills | 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 |
| BM906 | Biomedical Sciences Project\* | 5 | 60 |

\*For the degree of MSc only

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the written examinations and the coursework.

#### Award

1. **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 BM906.
2. **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 taught modules of the programme.
3. **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 taught 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:
   1. a degree in pharmacy from a United Kingdom university; or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a Research Project

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP923 | Clinical Induction | 5 | 20 |
| MP924 | Clinical Assignment 1 | 5 | 20 |
| MP925 | Health Service Skills | 5 | 20 |
| MP926 | Clinical Assignment 2 | 5 | 20 |
| MP927 | Clinical Assignment 3 | 5 | 20 |
| MP928 | Clinical Assignment 4 | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| MP929 | Research Project\* | 5 | 60 |

\*For the degree of MSc only

1. Students who have appropriate experience or training on entry to the programme may be considered for the award of the credits for the modules MP923 Clinical Induction and/or MP924 Clinical Assignment 1 as Recognised Prior Learning.

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

#### Award

1. **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 MP929 Research Project.
2. **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 taught modules of the programme.

**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 taught modules of the programme. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, a student who has been granted exemption through credit transfer or Recognised Prior Learning must gain two-thirds of the overall credit requirement for the award of the Postgraduate Certificate from the taught modules of the programme.

**FACULTY OF SCINCE**

**STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

#### 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.

#### Duration of Study

1. The maximum period of study shall normally be 14 months.

#### Mode of study

1. The programme is only available by part-time study

#### Curriculum

1. 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

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply
2. The final assessment 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

1. In order to qualify for the award of Practice Certificate in Independent Prescribing, a student must have accumulated 30 credits.

1

**FACULTY OF SCIENCE**

**STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

**INDUSTRIAL BIOTECHNOLOGY**

#### Collaborative 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum period of study shall be as follows:
   1. Masters by full-time study 12 months
   2. PG Diploma by full-time study 9 months
   3. PG Certificate by full-time study 6 months
   4. Masters by part-time study 24 months elapsed time
   5. PG Diploma by part-time study 18 months elapsed time
   6. PG Certificate by part-time study 12 months elapsed time

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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 |

|  |  |  |  |
| --- | --- | --- | --- |
| EX942 | Bioinformatics | 5 | 10 |
| EX956 | Downstream Processing | 5 | 10 |
| BM929 | Industrial Biotechnology Research Project\* | 5 | 60 |

\*For the degree of MSc only

**Optional Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EX930 | 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 IBioIC HEI partner | | | |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the written examinations and the coursework.

#### Award

1. **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 BM929.
2. **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 taught modules of the programme.
3. **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 taught 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:
   1. 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
   2. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
   3. 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

1. Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, the maximum period of study shall be as follows:
   1. Masters by full-time study 24 months
   2. PG Diploma by full-time study 18 months
   3. PG Certificate by full-time study 12 months

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the degree of MSc no fewer than 180 credits including a project

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP917 | Chromatography: Principles, Application and Method Development | 5 | 20 |
| MP919 | Bioanalysis, Biotechnology and Quality Management | 5 | 20 |
| MP921 | Chromatographic and Bioanalytical Methods | 5 | 20 |

|  |  |  |  |
| --- | --- | --- | --- |
| MP931 | Generic Biomedical and Pharmaceutical Research Skills | 5 | 20 |
| MP814 | Spectroscopy: Principles, Application and Methods | 5 | 20 |
| MP812 | Chemical Analysis: Principes, Application and Methods | 5 | 20 |
| MP922 | Pharmaceutical Analysis: Project\* | 5 | 60 |

\*For the degree of MSc

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations, coursework and the project report or dissertation as appropriate.

#### Award

1. **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 MP922 project.
2. **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 taught modules of the programme.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Diploma in Pharmaceutical Analysis, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.

#### Transfer

1. The General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply. In addition, students registered for the Postgraduate Diploma who wish to transfer to the MSc programme may be required to demonstrate an acceptable level of performance on the programme and to meet prescribed criteria to the satisfaction of the Board of Examiners.

**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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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

1. In accordance with the General Academic Regulations - Postgraduate Taught Degree Programme Level, some off-campus work may be required.

#### Mode of Study

1. The programmes are available by part-time study only.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP975 | Pharmaceutical Quality and Good Manufacturing Practice (Project) | 5 | 60 |

**Examination, Progress and Final Assessment**

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. 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.
3. The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme.
3. **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 taught modules of the programme.

**FACULTY OF SCIENCE**

**STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

**PHARMACY PRACTICE - CLINICAL**

#### Master of Science in Pharmacy Practice - Clinical Postgraduate Diploma in Pharmacy Practice – Clinical Postgraduate Certificate in Pharmacy Practice – Clinical

*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:
   1. a degree in pharmacy from a United Kingdom university or
   2. 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

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

#### Mode of Study

1. The MSc is available by full-time study only: the PG Certificate and Diploma may be offered as part time study.

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the Postgraduate Certificate no fewer than 60 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. for the MSc no fewer than 240 credits

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP998 | Essential Clinical Therapeutics | 5 | 40 |
| MP940 | Health Service – Quality Improvement | 5 | 20 |
| MP949 | Clinical Pharmacy – Pharmaceutical Services | 5 | 20 |
| MP997 | Clinical Pharmacy Management | 5 | 20 |
| MP996 | Advanced Clinical Therapeutics | 5 | 20 |
| MP950 | Professional Experiential Learning | 5 | 120 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Taught Degree Programme Level.
2. The final assessment will be based on performance in the examinations and coursework.

#### Award

1. **MSc:** In order to qualify for the award of the MSc in Pharmacy Practice - Clinical, a candidate must normally have accumulated no fewer than 240 credits from the modules of the programme.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Pharmacy Practice - Clinical, a candidate must normally have accumulated no fewer than 120 credits from the taught modules of the programme.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Pharmacy Practice - Clinical, a candidate must normally have accumulated no fewer than 60 credits from the taught modules of the programme.

**POSTGRADUATE STUDY RESEARCH – GENERAL REGULATIONS**

# 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:](https://www.strath.ac.uk/whystrathclyde/universitygovernance/charterstatutes/)

Masters awards

* 1. The degree of Master of Philosophy (MPhil)
  2. The degree of Master of Research (MRes)

Doctoral awards

* 1. The degree of Doctor of Business Administration (DBA)The degree of Doctor of Education (EdD)
  2. The degree of Doctor of Educational Psychology (DEdPsy)
  3. The degree of Doctor of Engineering (EngD)
  4. The degree of Doctor of Information Science (DInfSci)
  5. The degree of Doctor of Pharmacy (DPharm)
  6. The degree of Doctor of Philosophy (PhD)
  7. The degree of Doctor of Philosophy with Integrated Studies (PhDIntSt) j.

Higher Research awards

1. The degree of Doctor of Science
2. The degree of Doctor of Letters
3. These regulations should be read in conjunction with the University’s [Code of Practice](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [for Postgraduate Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf), which expands on the processes mentioned within these Regulations.
4. 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.
5. Award of the degrees of Doctor of Business Administration, Doctor of Education, Doctor of Engineering, Doctor of Information Science, Doctor of Pharmacy, and Doctor of Philosophy with Integrated Studies 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.
6. 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.
7. 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.
8. 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.
9. Joint or dual research degrees established by University Departments or Schools with external partners should comply with the [Policy & Code of Practice on Collaborative](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Collaborative_Education_Provision_-_updated_Jan_2016.pdf) [Provision](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Collaborative_Education_Provision_-_updated_Jan_2016.pdf) when establishing these arrangements to ensure due process is followed.

# Admissions

1. The standard admissions criteria for research degree programmes are set out in the University’s [Admissions Policy](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Admissions_Policy_-_March_2019.pdf). Any additional criteria to the standard admissions policy are set out in annually published Individual Research Degree Regulations.
2. Applicants for Higher Research degrees should follow the guidelines and procedures in the University’s [Policy on Higher Doctorates](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Higher_Doctorate_-_Policy_Procedure_and_Guidelines_FINAL.pdf).
3. 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

1. 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.
2. A student can register at the start of any calendar month.
3. A student awarded funding must follow the terms and conditions set out by the funder and meet any reporting requirements.
4. 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.

# Mode of Study

1. 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.
2. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) provides more information on working hours, annual leave, public holidays and University closures.
3. Part-time students will follow a pattern of working in line with that of full-time students, on a pro-rata basis.
4. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Practice for Postgraduate Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) provides information about the process and criteria for changes to mode of study.
5. Students cannot change their mode of study when they have transferred to *completing*

status.

1. Students can enter voluntary suspension once they have transferred to *completing*

status, as stated in the [Voluntary Suspension Guidelines](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Voluntary_Suspension_guidelines_May_2019_approved.pdf).

# Period of Study

1. 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 period of their registration and the expected and final submission dates, in writing, at the point at which they are offered a place at the University of Strathclyde to study a research degree programme.
2. 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 |

1. 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.
2. In exceptional circumstances, students can seek a regulation waiver to reduce the minimum period of study.
3. In exceptional circumstances, Vice-Deans may approve an extension to the maximum period of study.

# Changes to Registration Status

1. Students will have one of four registration statuses:
   1. Valid to register;
   2. Registered;
   3. Completed;
   4. Terminated.
2. Once students have registered at the University for a research degree under these regulations, one of the following classifications will apply:
   1. Registered - Voluntary Suspension;
   2. Registered - Academic Suspension;
   3. Registered - Completing.
3. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) provides information on the review process and criteria for transferring to *completing* classification.
4. A final annual review will only be considered final if the student has completed all relevant research and training requirements as detailed in regulations 51 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.
5. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
6. Full-time and part-time students must submit before the final submission date regardless of when the transfer to *completing* occurs.
7. Submission reviews should be carried out during the completing period, following the guidelines in the [Code of Practice for Postgraduate Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
8. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).

# Supervision

1. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
2. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf), to be recognised by the University as eligible supervisors.
3. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf). Supervisors will be familiar with the policies, processes and responsibilities described in the more detail in the Code of Practice.
4. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).

# Engagement

1. 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.
2. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) and successfully complete a formal review. The formal review requirements for each year are also detailed in the Code of Practice.
3. In addition to regulation 39 and 40 above, students with visa requirements should also comply with the engagement and attendance requirements of their visa.
4. 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:
   1. academic withdrawal, based on one of the following reasons:
      1. an unsatisfactory outcome from an annual review, or;
      2. insufficient progress following the remedial period established by an interim or annual review, or;
      3. sustained lack of engagement under the terms of regulations 39 and 40 between reviews, or;
   2. recommendation of examining committee, or;
   3. the student elects to voluntarily withdraw.
5. 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 that 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

1. 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 39 and 40. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
2. 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 39 and 40. 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

1. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
2. 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.
3. 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

1. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) 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

1. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
2. The student’s teaching responsibilities will be clearly defined in writing.
3. All students will complete mandatory and any other appropriate training provided by their department/school before commencing any teaching and/or assessment.
4. Students will be fairly paid for any teaching work, as per University policy.

# Professional Development

1. Students are required to engage with the personal and professional development component of their programme.
2. Professional Development activities are an integral component of the taught elements of the following programmes:
   1. Doctor of Business Administration (DBA)
   2. Doctor of Education (EdD)
   3. Doctor of Engineering (EngD)
   4. Doctor of Information Science (DInfSci)
   5. Doctor of Pharmacy (DPharm)
   6. PhD with Integrated Studies (PhDIntSt)
3. 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.
4. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_on_the_Recognition_of_Prior_Learning_and_Credit_Transfer.pdf)outlines the procedure for applying for exemption from programmes and modules on the basis of prior experiential or accredited learning.
5. 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.
6. Students registered for DLitt and DSci are not required to undertake accredited transferable skills training.
7. 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.
8. 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 to for establishing the scope and nature of the visit, and for monitoring engagement during the visit.
9. 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

1. 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.
2. 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.
3. A student registered on a standard PhD programme must satisfy the requirements of the professional development programme specified in regulations 54 or 55 before submitting their thesis for examination.
4. A student registered on an MPhil programme must satisfactorily complete the 20-credit professional development requirement in regulation 57 before they can submit their thesis for examination.
5. 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.
6. 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.
7. The thesis must be submitted for examination by the final submission date. The [Code of](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Practice for Postgraduate Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) provides detailed information on the scope, content and format of the thesis, and planned and final submission dates.
8. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf), will result in the student being withdrawn from the programme of study and ineligible for examination.
9. 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.
10. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf). 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

1. The purpose of the oral examination and the role of the examining committee is to determine that:
   1. the thesis is a record of the candidate’s original research or other advanced scholarship on primary data sources or similar;
   2. the thesis makes an identifiable contribution to knowledge leading to original insight or understanding of a specific topic within the field of study;
   3. the performance of the student in the oral examination was satisfactory;
   4. the literary style and presentation of the thesis is satisfactory;
   5. the thesis is worthy of publication, in part or in whole;
   6. 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.
2. The examining committee is appointed for each individual candidate and includes:
   1. A convenor
   2. at least one internal examiner; and
   3. at least one examiner external to, and independent of, the University.
3. 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.
4. 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](https://www.strath.ac.uk/exams/externalexaminers-postgraduateresearch/) for appointing the examining committee.
5. 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.
6. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) indicate how taught or training components are examined.

# Results of Examination

1. The outcome of the first oral examination will be one of the following:
   1. Pass with final award made;
   2. Pass subject to minor amendments assessed by the internal examiner only;
   3. Pass subject to minor amendments assessed by the full examining committee;
   4. Resubmission following major amendments assessed by the full examining committee;
   5. Resubmission following major amendments assessed by the full examining committee and a second oral examination;
   6. Resubmission following further research and re-examination of the thesis by the full examining committee and a second oral examination;
   7. Fail with a lower, related exit award made at this point;
   8. Fail with lower, related exit award made at this point with minor corrections being required and assessed by the internal examiner only;
   9. Fail with transfer to a lower, related exit award with the requirement to resubmit assessed by the full examining committee;
   10. 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.
   11. Fail with no award and compulsorily withdrawn.
2. Details on the process and deadlines following each of these outcomes are provided in the [Code of Practice for Postgraduate Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
3. 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.
4. A student will have one further opportunity to resubmit the thesis for examination following outcome *d, e, f, g, h, i and j* of regulation 79.
5. Following re-submission under points *d, e and f* of regulation 79, the outcomes available to the examining committee are:
   1. Pass with award made;
   2. Pass with minor corrections assessed by the internal examiner only;
   3. Fail with transfer to a lower, related exit award with the award being made at this point;
   4. Fail with no award and compulsorily withdrawn.
6. Following resubmission for a lower, related award for *i and j* of regulation 79, the outcomes available to the examining committee are:
   1. Pass and award made;
   2. Pass subject to minor amendments assessed by the internal examiner only;
   3. Fail with no award and compulsorily withdrawn.
7. Following outcomes *i and j* of regulation 79, the student can be transferred to one of the possible exit awards listed in regulation 89 and confirmed in the Research Degree Regulations for individual programmes.

# Student Conduct and appeals

1. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf). 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

1. A student can achieve an exit award through the following routes:
   1. Progress is deemed unsatisfactory at a formal review and student is recommended to submit and be examined for an exit award;
   2. the examining committee recommend that the student be considered for an exit award following the oral examination;
   3. the student requests a transfer to an exit award during the period of supervised research, or under the circumstances described in regulation 81.

*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.*

1. A student withdrawn from their programme on the grounds of academic, professional, or research misconduct will not be eligible for an exit award.
2. The following exit award levels may be available, depending on Individual Research Degree Regulations:

|  |  |
| --- | --- |
| **Registered award** | **Possible exit awards** |
| Doctor of Business Administration (DBA) | MSc/PG Dip/PG Cert |
| Doctor of Education (EdD) | MPhil/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 |

# Availability of Thesis

1. Following the ratification of an awarded research degree undertaken at the University, the thesis will be electronically available within the public domain and a hard copy placed in the University library. 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.
2. A student may request a delay to the release of a print and/or electronic 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.
3. 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.
4. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).
5. 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)

1. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf) [Postgraduate Research Students](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).

# Enhancement and continuous improvement

1. 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](https://www.strath.ac.uk/media/ps/cs/gmap/academicaffairs/policies/Policy_and_Code_of_Practice_for_PGR_Study.pdf).

**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:
   1. a first or second class Honours degree from a United Kingdom university (in Architecture, Engineering, or closely related subject); or
   2. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to i. above; or
   3. 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**

### The General Academic Regulations - Postgraduate Research Degree Regulations shall apply.

#### Mode of Study

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

#### Curriculum

1. 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

1. The General Academic Regulations - Postgraduate Research Degree Regulations shall apply.
2. 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.
3. The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

#### Award

1. **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.
2. **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

*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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Award

1. **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.

#### Transfer

1. A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Biofluid Mechanics may be transferred to the Postgraduate Certificate in Biofluid Mechanics provided the appropriate progress regulations are satisfied.

**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 Master of Research in Biomedical Engineering with Medical Devices**

**Master of Research in Biomedical Engineering with Prosthetics and Orthotics Technologies**

**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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Credit Transfer and Recognition of Prior Learning

1. 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

1. 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.

Plus, 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.

#### MRes in Biomedical Engineering with Medical Devices

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BE920 | The Medical Device Regulatory Process | 5 | 10 |

Plus, no fewer than 10 credits chosen from the list of optional modules.

#### MRes in Biomedical Engineering with Prosthetics and Orthotics Technologies

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BE902 | Prosthetics and Orthotics | 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 |
| 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 |

#### Examination, Progress and Final Assessment

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Award

1. **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.
2. **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

1. 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

*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:
   1. a Master’s or an Integrated Master’s degree; or,
   2. a first or upper second class Honours degree from a United Kingdom University; or,
   3. 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,
   4. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Credit Transfer and Recognition of Prior Learning

1. 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

1. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 | 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 |

1. **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

1. 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.
2. Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.
3. 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

1. **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.

#### Transfer

1. A candidate who fails to satisfy the progress or award requirements of the EngD may be transferred to the MSc in Medical Devices.

**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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Award

1. **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.
2. **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:
   1. a first or upper second class Honours degree from a United Kingdom university (in Engineering, Physical Science or closely related subject); or
   2. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or
   3. 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

1. See the General Academic Regulations - Postgraduate Research Degree Regulations.
2. Notwithstanding the General Academic Regulations - Postgraduate Research Degree Regulations, the maximum duration of study will be:
   1. for the degree of MRes by full-time study - 24 months
   2. for the degree of MRes by part-time study - 36 months

#### Mode of Study

1. The programme is available by full-time and part-time study either via on-campus or off- campus (online learning).

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL971 | Air Pollution, Climate Change & Human Health | 5 | 10 |
| CL907 | MRes Dissertation | 5 | 120 |

|  |  |  |  |
| --- | --- | --- | --- |
| Either | | | |
| CL931 | Research Protocols for Science & Engineering | 5 | 10 |
| Or | | | |
| CL939 | Principles of Research Methodology and Research Design | 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 |

**Optional Modules**

No fewer than 20 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL954 | Contaminated Land | 5 | 10 |
| CL904 | Waste Management and Landfill Design | 5 | 10 |
| CL906 | 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 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| EC957 | International Development | 5 | 10 |
| Or | | | |
| EC956 | International Development | 5 | 10 |
| Either | | | |
| EC959 | Environmental Economics | 5 | 10 |
| Or | | | |
| EC927 | Environmental Economics | 5 | 10 |

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

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

#### Examination, Progress and Final Assessment

1. Candidates are required to pass all examinations and to perform to the satisfaction of the Board of Examiners in the coursework and the Dissertation.
2. 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.
3. The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

#### Award

1. **Degree of 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.
2. **Award of 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**

*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:
   1. a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or
   2. a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or
   3. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.
2. Notwithstanding the General Academic Regulations - Postgraduate Research Degree Regulations, the maximum duration of study will be:
   1. for the degree of MRes by full-time study - 24 months
   2. for the degree of MRes by part-time study - 36 months

#### Mode of Study

1. The programme is available by full-time and part-time study either via on-campus or Distance Learning.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL954 | Contaminated Land | 5 | 10 |
| CL906 | Site Investigation and Risk Assessment | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| CL935 | Hydrogeology | 5 | 10 |
| CL907 | MRes Dissertation | 5 | 120 |

All students should also undertake one of the following modules:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Either | | | |
| CL931 | Research Protocols for Science & Engineering | 5 | 10 |
| Or | | | |
| CL939 | Principles of Research Methodology and Research Design | 5 | 10 |

**Optional Modules**

No fewer than 20 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL971 | Air Pollution, Climate Change & Human Health | 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 |
| EV939 | 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 |
| CL990 | Environmental Geochemistry | 5 | 10 |
| Either | | | |
| CL994 | Circular economy and transformations Towards sustainability | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| Or | | | |
| CL988 | Leading Issues in Circular Economy | 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

1. Candidates are required to pass all examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the Dissertation.
2. 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.
3. The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

#### Award

1. **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.
2. **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**

*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:
   1. possess a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth or Physical Science, or closely related subject); or
   2. possess a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to i. above; or
   3. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.
2. Notwithstanding the General Academic Regulations - Postgraduate Research Degree Regulations, the maximum duration of study will be:
   1. for the degree of MRes by full-time study - 24 months
   2. for the degree of MRes by part-time study - 36 months

#### Mode of Study

1. The programme is available by full-time and part-time study either via on-campus or Distance Learning.

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL970 | Environmental Pollution Management | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| CL904 | Waste Management and Landfill Design | 5 | 10 |
| CL990 | Environmental Geochemistry | 5 | 10 |
| CL907 | MRes Dissertation | 5 | 120 |

All students should also undertake one of the following modules:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Either | | | |
| CL931 | Research Protocols for Science & Engineering | 5 | 10 |
| Or | | | |
| CL939 | Principles of Research Methodology and Research Design | 5 | 10 |

**Optional Modules**

No fewer than 20 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| CL971 | Air Pollution, Climate Change & Human Health | 5 | 10 |
| CL946 | Global Water Policy | 5 | 10 |
| CL954 | Contaminated Land | 5 | 10 |
| CL960 | Fundamentals of Environmental Forensics | 5 | 10 |
| EV908 | Pollution and Rehabilitation of Degraded Ecosystems | 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 |

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

1. Candidates are required to pass all examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the Dissertation.
2. 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.
3. The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

#### Award

1. **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.
2. **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 DESIGN MANUFACTURE AND ENGINEERING MANAGEMENT**

**ADVANCED MANUFACTURING: FORGING AND FORMING**

#### Doctor of Engineering (EngD) 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

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

#### Curriculum

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

#### First Year Compulsory Modules

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM920 | Strategic Technology Management | 5 | 10 |
| DM932 | Postgraduate Individual Project | 5 | 60 |
| 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 |
| BE919 | Research Methodology | 5 | 10 |

**Optional Modules**

No fewer than 60 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| DM986 | Mechatronic Systems Design Techniques | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| DM925 | Systems Integration | 5 | 10 |
| DM927 | Strategic Supply Chain Management | 5 | 10 |
| DM929 | CAED Systems | 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 |
| DM949 | Design of Experiments for Process Optimisation | 5 | 10 |
| EF930 | Information Management | 5 | 10 |
| EF931 | Project Management | 5 | 10 |

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

#### 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

1. 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.
2. Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.
3. 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

1. **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 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.

#### Transfer

1. A candidate who fails to satisfy the progress and award requirements for the award of the EngD may be transferred to the MSc Advanced Manufacturing: Forging and Forming.

**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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Place of Study

1. 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

1. 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:

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| 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

1. 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.
2. Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.
3. 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

1. **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:
   1. accumulated no fewer than 180 credits from the programme curriculum
   2. submitted a piece of satisfactory original research in the form of a portfolio as specified in the General Academic Regulations - Postgraduate Research Degree Regulations
   3. performed satisfactorily in an oral examination.

#### Transfer

1. 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 PHOTONICS**

**Doctor of Engineering in Applied Photonics**

**Doctor of Philosophy in Applied Photonics Doctor of Engineering in Photonics**

**Doctor of Engineering in Optics and Photonics Technologies**

1. This programme is offered jointly by the University of Strathclyde, the University of Glasgow, Heriot-Watt University and University of St Andrews. The awards are made in the name of one of these four 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 four universities. Students shall be subject to the Programme Regulations that have been adopted by all four 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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Curriculum

1. 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:

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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Award

1. **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.
2. **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 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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Award

1. **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.
2. **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:
   1. 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
   2. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Curriculum

1. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Award

1. **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.
2. **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.

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**FACULTY OF ENGINEERING FACULTY PROGRAMMES NUCLEAR ENGINEERING**

#### Doctor of Engineering 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****.***

1. This degree is part of a collaborative Engineering and Physical Sciences Research Council (EPSRC) research initiative comprising the University of Strathclyde, Imperial College, the University of Bristol, the University of Leeds and the University of Sheffield. 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.

#### Admission

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Duration of Study

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Place of Study

1. 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.
2. Students may also be required to attend the University of Manchester to undertake modules delivered in a “short programme” format from the portfolio of MSc/MBA programmes offered by the Manchester Business School, and by the Nuclear Technology Education Consortium (NTEC) MSc in Nuclear Science and Technology.

#### Curriculum

1. All students shall undertake research project(s) together with the following:

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| EE953 | External Study 1 (Management) | 5 | 15 |

The module EE953 External Study 1 comprises the University of Manchester’s Professional Development Programme, accredited by the Institution of Mechanical Engineers and the

Institution of Electrical Technology as an approved Monitored Professional Development Scheme.

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

**Compulsory Modules**

Four modules chosen from the curriculum of the Manchester University Diploma in Management together with Technical Modules as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Either | | | |
| EE954 | External Study 2 (Management)\* | 5 | 30 |
| Or | | | |
| No fewer than 30 credits chosen, with the permission of the student’s Academic Supervisor, from the portfolio of MSc modules offered by the Department of Electronic and Electrical Engineering. | | | |

\*The module EE954 External Study 2 comprises two modules chosen from the list in Regulation 20.46.10.

**Second Year** - All students shall undertake an approved curriculum as follows:

**Compulsory Modules**

Four modules chosen from the list in Regulation 20.46.9 together with Technical Modules as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| Either | | | |
| EE955 | External Study 3\* | 5 | 15 |
| Or | | | |
| No fewer than 20 credits chosen, with the permission of the student’s Academic Supervisor, from the portfolio of MSc modules offered by the Department of Electronic and Electrical Engineering. | | | |

\* The module EE955 External Study 3 comprises one module chosen from the list in Regulation 20.46.10.

**Third and Fourth Years** - All students shall undertake a doctoral research project.

The following modules will be undertaken from the University of Manchester Diploma in Management. Full details are available from the University of Manchester.

Project Management

Managerial Economics

Individuals, Groups and Organisations Industrial Relations

Marketing Management Total Quality Management Management Accounting Production Systems

The following technical modules are available from the Nuclear Technology Education Consortium MSc in Nuclear Science and Technology. Full details are available from the University of Manchester.

Criticality Safety Management Decommissioning Technology and Robotics

Decommissioning/Waste/Environmental Management Design of Safety Critical Systems

Environmental Decision Making Applied to the Nuclear Industry Environmental Impact Assessment

Geotechnical Aspects of Radioactive Waste Disposal Management of the Decommissioning Process Nuclear Fuel Cycle

Particle and Colloid Engineering in the Nuclear Industry Policy, Regulation and Licensing

Processing, Storage and Disposal of Nuclear Waste Public and Political Aspects of Nuclear Decommissioning Radiation and Radiological Protection

Reactor Materials and Lifetime Behaviour Reactor Physics, Criticality and Design Reactor Thermal Hydraulics

Risk Management

Water Reactor Performance and Safety

#### Progress

1. In order to proceed to the second year of the programme, a student must normally have accumulated 30 credits from the technical modules in the programme curriculum, passed four modules from the Manchester University Diploma in Management Science and satisfied the research topic supervisory team that satisfactory progress is being made on the research project(s).
2. In order to proceed to the third year of the programme, a student must normally have accumulated at least 45 credits from the technical modules in the programme curriculum and obtained the Diploma in Management Science from the University of Manchester Business School. A student must also satisfy the research topic supervisory team that satisfactory progress is being made on the research project(s).
3. In order to proceed to the fourth year of the programme, a student must satisfy the research topic supervisory team that satisfactory progress is being made on the research project(s).

#### Award

1. **Degree of EngD:** In order to qualify for the award of the degree of EngD in Nuclear Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have:
   1. accumulated at least 45 credits from the technical modules and 15 credits from EE953 External Study 1 in the programme curriculum;
   2. successfully completed the Diploma in Management Science from University of Manchester Business School;
   3. submitted a piece of satisfactory original research in the form of a portfolio as specified in the General Academic Regulations - Postgraduate Research Degree Regulations; and
   4. performed satisfactorily in an oral examination.

**FACULTY OF ENGINEERING FACULTY PROGRAMMES SENSORS AND IMAGING SYSTEMS**

#### Doctor of Engineering in Sensors and Imaging Systems

1. This programme is offered jointly by the University of Strathclyde, the University of Edinburgh, the University of Glasgow and Heriot-Watt University. The awards are made in the name of one of these four 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 four Universities. Students shall be subject to the Programme Regulations that have been adopted by all four 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 Glasgow University and full details of Programme Regulations applicable are shown in that University’s Calendar.

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**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 HUMANITIES AND SOCIAL SCIENCES SCHOOL 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:
   1. a Master’s degree in Education from a university in the United Kingdom; or
   2. a qualification deemed by the Head of Department (or nominee) acting on behalf of Senate to be equivalent to (i) above; or
   3. 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:

* 1. possess a teaching qualification; or
  2. possess other relevant professional qualification.

1. In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

#### Duration of Study

1. 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

1. 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

1. 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

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

**Compulsory Modules**

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| X3902 | Introduction to Philosophy & Philosophical Practice | 5 | 20 |
| X3901 | Philosophy with Children Theory | 5 | 20 |
| X3903 | Philosophy with Children Facilitation | 5 | 20 |

**Autism**

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| X9743 | Understanding Inclusive Education | 5 | 20 |
| X9744 | Providing Effective Educational Support | 5 | 20 |
| X9701 | Inclusive Pedagogy | 5 | 20 |

**Educational Leadership**

60 credits from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| 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 2nd 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 | GIfT Pedagogy 1: Language Learning and Teaching | 5 | 20 |
| X7928 | GIfT Pedagogy 2: Gaelic-medium Education | 5 | 20 |
| X7929 | GIfT 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**

1. 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*) .

1. Candidates are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.
2. 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.
3. 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.
4. The final assessment will be based on performance in the coursework, the thesis and an oral examination.

#### Award

1. 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).
2. 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

1. 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**

*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

1. See General Academic Regulations - Postgraduate Research Degree Regulations

#### Mode of Study

1. The degree is available by full-time and part-time study.

#### Curriculum

1. 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 |

**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 |
| 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations
2. The final assessment will be based on performance in the coursework, examinations, and dissertation and, if appropriate, in an oral examination.

#### Award

1. **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 SCHOOL OF PSYCHOLOGICAL SCIENCES AND HEALTH EDUCATIONAL PSYCHOLOGY**

#### Doctor of Educational Psychology

*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 General Academic Regulations - Postgraduate Research Degree Regulations, applicants shall possess:
   1. a MSc in Educational Psychology; or
   2. a qualification and experience deemed by the Head of Department action on behalf of Senate to be equivalent to (i) above; and
   3. currently be engaged in work in the field as a practising Educational Psychologist.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Duration of Study

1. The programme consists of at least 33 consecutive months study on a full-time basis.

The Board of Study may grant exemption of up to nine months of full-time study on the basis of performance on a two-year MSc in Educational Psychology programme recognised by the University for this purpose.

#### Mode of Study

1. Students undertake a full-time programme of research and fieldwork.

#### Curriculum

1. During the first stage of the programme, students must complete a portfolio of 3 pieces of small-scale research work carried out in practice. Students who hold a Master degree approved by the University will have this requirement waived by the Head of Department (or nominees) in accord with the University policy on Credit Transfer and Recognition of Prior Learning (RPL).
2. During the second stage of the programme, students must complete the research programme and a reflective self-evaluation report on their professional practice.

#### Examination, Progress and Final Assessment

1. To proceed to the second stage of the programme consisting of professional practice and the research programme a student must perform satisfactorily in the portfolio.
2. To proceed to the second stage of the thesis a student must submit both a satisfactory Research Proposal and a satisfactory Part 1 Literature Review.
3. Before being allowed to proceed to examination of the thesis a student must have received a satisfactory report from the Principal Educational Psychologist.
4. Students who do not satisfy the Curriculum requirements detailed above may be required to withdraw from the programme.
5. The General Academic Regulations - Postgraduate Research Degree Regulations on examinations, progress, final assessment shall apply.

#### Award

1. The award of the degree of Doctor of Educational Psychology will be based on performance in both the Professional Practice elements (self-evaluation report, and the report of the Principal Educational Psychologist) and the thesis.
2. A candidate who has completed the work for the Doctor of Educational Psychology but has failed to satisfy the examiners at doctoral level, may be considered by the Examining Committee for transfer to, and the award of, the Master of Philosophy.

**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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

1. 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

1. 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

1. 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

1. 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** |
| BF929 | Research Project | 5 | 60 |

#### Thesis Stage

1. 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

1. 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.
2. If a candidate fails to fulfil this requirement, the General Academic Regulations - Postgraduate Taught Degree Programme Level shall apply.
3. Candidates are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.
4. The final assessment will be based on performance in the coursework, the thesis and an oral examination.

#### Award

1. 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.

1. 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

1. 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.
2. 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.
3. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Mode of Study

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

#### Curriculum

1. 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** |
| BF949 | Dissertation | 5 | 120 |
| BF949 Dissertation comprises: | | | |
| BF949 | Research Project | 5 | 60 |
| BF992 | Research Methods | 5 | 20 |
| BF991 | Research Philosophy | 5 | 20 |
| BF984 | Research Colloquium | 5 | 10 |
| BF801 | Reviewing Literature in Business Subjects | 5 | 10 |
| Either | | | |
| BF994 | Introduction to Quantitative Methods: Survey Design and Analysis | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| And | | | |
| BF998 | Advanced Quantitative Methods | 5 | 10 |
| Or | | | |
| BF995 | Advanced Qualitative Methods | 5 | 20 |

**ESRC** funded students must take **ALL** the compulsory modules in the list above.

**Optional Modules**

No fewer than 40 credits chosen from:

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| BF977 | Special Topics 1 | 5 | 20 |
| BF978 | Special Topics 2 | 5 | 20 |
| BF979 | Special Topics 3 | 5 | 20 |
| 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 | Writing-up Postgraduate Research | 5 | 10 |
| RD905 | Researcher Professional Development Elective | 5 | 10 |

For **ESRC** funded students only 20 credits to be chosen from the list above.

Such other modules at Level 5 offered by the Business School as may be approved by the Programme Leader.

#### Examination, Progress and Final Assessment

1. 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.
2. The final assessment will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

#### Award

1. **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 120 must have been awarded in respect of the Dissertation BF949.
2. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Research Methods, a candidate must have accumulated no fewer than 120 credits from the programme curriculum.
3. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Research Methods, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme curriculum.

#### Transfer

1. 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.

**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:
   1. a Master’s degree in a relevant discipline from a university in the United Kingdom; or
   2. a qualification deemed by the Programme Director (or nominee) acting on behalf of Senate to be equivalent to (i) above; or
   3. 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

1. Notwithstanding the General Academic Regulations - Postgraduate Research Degree Regulations, the minimum duration of study will normally be:
   1. for the degree of DInfSci by full-time study – 36 months
   2. for the degree of DInfSci by part-time study – 48 months
2. Notwithstanding the General Academic Regulations - Postgraduate Research Degree Regulations, the maximum duration of study will normally be:
   1. for the degree of DInfSci by full-time study – 60 months
   2. for the degree of DInfSci by part-time study – 96 months.

#### Mode of Study

1. 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

1. 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

1. Candidates are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.
2. 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.
3. 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.
4. The final assessment will be based on performance in the programme work, the thesis and an oral examination.

#### Award

1. 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

1. 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.
2. 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 MATHEMATICS AND STATISTICS**

#### Master of Science in Applied Mathematical Sciences Postgraduate Diploma in Applied Mathematical Sciences Postgraduate Certificate in Applied 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:
   1. 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

* 1. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above.

1. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

#### Mode of Study

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

#### Curriculum

1. All students shall undertake an approved curriculum as follows:
   1. for the degree of MSc no fewer than 180 credits
   2. for the Postgraduate Diploma no fewer than 120 credits
   3. 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)

1. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.
2. The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

#### Award

1. **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.
2. **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 taught modules of the programme, including at least 100 credits at Level 5.
3. **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 taught modules of the programme, including at least 50 credits at Level 5.

# FACULTY OF SCIENCE

**DEPARTMENT OF PHYSICS PHYSICS**

#### Master of Research in Physics

**Master of Research in Physics (in specific research area**)

*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:
   1. a first or second class Honours degree from a United Kingdom university (in Physics or a closely related subject); or
   2. 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

1. The General Academic Regulations - Postgraduate Research Degree Regulations shall apply.

#### Mode of Study

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

#### Curriculum

1. Students will follow a specialisation that relates to the research interests of the Department.
2. 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**

1. 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

1. 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.
2. The final assessment will be based on performance in the examinations, coursework, and the Project.

#### Award

1. 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.

#### Transfer

1. A candidate for the degree of MRes who fails to meet the requirements for the award of the degree, but who has satisfied the requirements for the award of the Postgraduate Diploma in Advanced Physics may be considered for the award of the Postgraduate Diploma and have his or her registration so transferred subject to the approval of the Board of Study, acting on behalf of Senate, and in accordance with the recommendation of the Board of Examiners.

**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*](https://www.strath.ac.uk/media/1newwebsite/documents/academicregulations/General_Regulations_Postgraduate_Research_Degree_Regulations.pdf)*.*

*For regulations relating to taught (compulsory/optional) modules, please refer to the*[*General Academic Regulations - Postgraduate Taught Degree Programme Level*](https://www.strath.ac.uk/media/1newwebsite/documents/academicregulations/PGT_General_Regulations.pdf%22%20/t%20%22_blank)*.*

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](https://www.strath.ac.uk/media/1newwebsite/documents/academicregulations/General_Regulations_Postgraduate_Research_Degree_Regulations.pdf) shall apply.

**Duration of Study**

1. The [General Academic Regulations - Postgraduate Research Degree Regulations](https://www.strath.ac.uk/media/1newwebsite/documents/academicregulations/General_Regulations_Postgraduate_Research_Degree_Regulations.pdf) shall apply.

**Mode of Study**

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

**Place of Study**

1. 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**

1. 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**

1. 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.
2. 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.
3. 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**

1. **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.

1. **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**

1. 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 PURE AND APPLIED CHEMISTRY**

**OPTICAL MEDICAL IMAGING WITH HEALTHCARE INNOVATION AND ENTREPRENEURSHIP**

#### Doctor of Philosophy with Integrated Study in Optical Medical Imaging with Healthcare Innovation and Entrepreneurship

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**

**BIOMEDICAL SCIENCES**

#### Master of Research in Biochemistry Master of Research in Immunology Master of Research in Microbiology Master of Research in In Vivo Sciences Master of Research in Neuroscience Master of Research in Parasitology Master of Research in Pharmacology

*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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.
2. Notwithstanding the General Academic Regulations - Postgraduate Research Degree Regulations, the maximum period of study shall be as follows:
   1. Master’s by full-time study – 16 months
   2. Master’s by part-time study – 36 months elapsed time

#### Nature of Study

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

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP931 | Generic Biomedical and Pharmaceutical Research Skills | 5 | 20 |
| Z1931 | Entrepreneurship, Innovation and Commercialisation | 5 | 10 |

**Optional Modules**

No fewer than 150 credits including 120 from List A and no fewer than 10 from each of Lists B and C.

**List A**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP961 | Biochemistry Project and Thesis | 5 | 120 |
| MP962 | Immunology Project and Thesis | 5 | 120 |
| BM915 | In Vivo Project and Thesis | 5 | 120 |
| MP963 | Microbiology Project and Thesis | 5 | 120 |
| MP964 | Molecular Biology Project and Thesis | 5 | 120 |
| BM916 | Neuroscience Project and Thesis | 5 | 120 |
| MP965 | Parasitology Project and Thesis | 5 | 120 |
| MP966 | Pharmacology Project and Thesis | 5 | 120 |

**List B**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP941 | Advanced Techniques in Biochemistry | 5 | 10 |
| MP942 | Advanced Techniques in Biomedical Research | 5 | 10 |
| MP944 | Advanced Techniques in Immunology | 5 | 10 |
| MP968 | Advanced Techniques in In Vivo Biology | 5 | 10 |
| MP945 | Advanced Techniques in Microbiology | 5 | 10 |
| MP946 | Advanced Techniques in Molecular Biology | 5 | 10 |
| MP947 | Advanced Techniques in Pharmacology | 5 | 10 |
| MP977 | Advanced Techniques in Toxicological Analysis | 5 | 10 |

**List C**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP951 | Advanced Topics in Biochemistry | 5 | 10 |
| MP953 | Advanced Topics in Immunology | 5 | 10 |
| BM901 | Advanced Applications of In Vivo Research | 5 | 10 |

|  |  |  |  |
| --- | --- | --- | --- |
| MP954 | Advanced Topics in Microbiology | 5 | 10 |
| BM902 | Advanced Topics in Neuroscience | 5 | 10 |
| MP955 | Advanced Topics in Molecular Biology | 5 | 10 |
| MP956 | Advanced Topics in Parasitology | 5 | 10 |
| MP957 | Advanced Topics in Pharmacology | 5 | 10 |
| MP976 | Advanced Topics in Toxicology | 5 | 10 |

1. To qualify for the award of the degree of MRes the student must normally undertake the following modules:

|  |  |
| --- | --- |
| Biochemistry: | MP941, MP951 and MP961 |
| Immunology: | MP944, MP953 and MP962 |
| In Vivo Sciences: | BM915, MP968, BM901 |
| Microbiology: | MP945, MP954 and MP963 |
| Molecular Biology: | MP946, MP955 and MP964 |
| Neuroscience: | BM916, BM902 and an appropriate techniques module from option List B |
| Parasitology: | MP956, MP965 and an appropriate techniques module from option List B |
| Pharmacology: | MP947, MP957 and MP966 |

#### Examination, Progress and Final Assessment

1. Candidates are required to perform to the satisfaction of the examiners in the coursework and in the Project and Thesis.
2. The final assessment will be based on performance in the written examinations, the coursework, the Project and Thesis and, if required, in an oral examination.

#### Award

1. Degree of MRes: In order to qualify for the degree of MRes, a candidate 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 Project and Thesis.

#### Transfer

1. A candidate who fails to satisfy the progress or award requirements for the degree of MRes may be transferred to the Postgraduate Certificate in Biomedical Sciences provided the appropriate progress regulations are satisfied.

**FACULTY OF SCIENCE**

**STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

**CLINICAL PHARMACY**

#### Master of Research in Clinical 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 subject to the following requirements. Applicants shall possess:
   1. a degree in pharmacy from a United Kingdom university or
   2. 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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.

#### Nature of Study

1. The programme is available by full-time and part-time study. The programme consists of training in research methods and includes a substantial research project and training in transferable research skills.

#### Curriculum

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP922 | Research Project | 5 | 120 |
| MP923 | Clinical Induction | 5 | 20 |
| MP924 | Clinical Assignment 1 | 5 | 20 |
| MP925 | Health Service Skills | 5 | 20 |
| Such other Level 5 classes as may be approved by the Module Director. | | | |

1. Students who have appropriate experience or training on entry to the programme may be considered for the award of the credits for the classes MP923 Clinical Induction and/or MP924 Clinical Assignment 1 as Recognised Prior Learning.

#### Examination, Progress and Final Assessment

1. Candidates are required to pass written examinations and to perform to the satisfaction of the examiners in the course work and in the Research Project.
2. The final assessment will be based on performance in the written examinations, the coursework, the Research Project and, if required, in an oral examination.

#### Award

1. **Degree of MRes**: In order to qualify for the degree of MRes in Clinical Pharmacy a candidate must have performed to the satisfaction of the Examiners and must have accumulated no fewer than 180 credits, of which 140 must have been awarded in respect of MP925 Health Service Skills and MP922 Research Project.

#### Transfer

1. A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Clinical Pharmacy may be transferred to the Postgraduate Certificate in Clinical Pharmacy.

**FACULTY OF SCIENCE**

**STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

**DOCTOR OF PHILOSPOHY PLUS POSTGRADUUATE 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

1. 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

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

#### Place of Study

1. The doctoral research project may take place within University of Strathclyde or at the place of employment approved by the Board of Study.
2. The postgraduate certificate and doctoral research will normally take place within the University of Strathclyde.

#### Curriculum

1. 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 |

1. All students shall undertake a doctoral research project.

#### Examination, Progress and Final Assessment

1. 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

1. **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.
2. These classes are taken in addition to those associated with the Researcher Professional Development programme.

**FACULTY OF SCIENCE**

**STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES**

**PHARMACEUTICAL SCIENCES**

#### Master of Research in Drug Delivery Systems Master of Research in Drug Discovery Master of Research in Toxicology

*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

1. See General Academic Regulations - Postgraduate Research Degree Regulations.
2. Notwithstanding the General Academic Regulations - Postgraduate Research Degree Regulations, the maximum period of study shall be as follows:
   1. For the degree of MRes by full-time study – 16 months
   2. For the degree of MRes by part-time study – 36 months elapsed time

#### Nature of Study

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

#### Curriculum

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

**Compulsory Modules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP931 | Generic, Biomedical and Pharmaceutical Research Skills | 5 | 20 |
| Z1931 | Entrepreneurship, Innovation and Commercialisation | 5 | 10 |

**Optional Modules**

No fewer than 150 credits including 120 from List A and at least 10 from each of Lists B and C.

**List A**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP903 | Drug Delivery Project and Thesis | 5 | 120 |
| MP982 | Drug Discovery Project and Thesis | 5 | 120 |
| MP967 | Pharmaceutical Materials and Formulation Project and Thesis | 5 | 120 |
| MP935 | Toxicology Project and Thesis | 5 | 120 |

**List B**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP943 | Advanced Techniques in Drug Delivery | 5 | 10 |
| MP979 | Advanced Techniques in Drug Discovery | 5 | 10 |
| MP948 | Advanced Techniques in Pharmaceutical Materials and Formulation | 5 | 10 |
| MP977 | Advanced Techniques in Toxicological Analysis | 5 | 10 |
| MP968 | Advanced Techniques in In Vivo Research | 5 | 10 |

**List C**

|  |  |  |  |
| --- | --- | --- | --- |
| **Module Code** | **Module Title** | **Level** | **Credits** |
| MP952 | Advanced Topics in Drug Delivery | 5 | 10 |
| MP978 | Advanced Topics in Drug Discovery | 5 | 10 |
| MP955 | Advanced Topics in Molecular Biology | 5 | 10 |
| MP957 | Advanced Topics in Pharmacology | 5 | 10 |
| MP958 | Advanced Topics in Pharmaceutical Materials and Formulation | 5 | 10 |
| MP976 | Advanced Topics in Toxicology | 5 | 10 |

To qualify for the award of the degree of MRes the student must normally undertake the following combination of classes:

|  |  |
| --- | --- |
| Drug Delivery Systems | MP903, MP943 and MP952 or MP967, MP948 and MP958 |
| Drug Discovery | MP982, MP979 and MP978 |
| Toxicology | MP935, MP977 and MP976 |

#### Examination, Progress and Final Assessment

1. Candidates are required to perform to the satisfaction of the examiners in the course work and in the Project and Thesis.
2. The final assessment will be based on performance in the written examinations, the coursework, the Project and Thesis and, if required, in an oral examination.

#### Award

1. **Degree of MRes**: In order to qualify for the degree of MRes, a candidate 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 Project and Thesis.

#### Transfer

1. A candidate who fails to satisfy the progress or award requirements for the degree of MRes may be transferred to the Postgraduate Certificate in Pharmaceutical Sciences or Biomedical Sciences provided the appropriate progress regulations are satisfied.

**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

1. 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

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

#### Place of Study

1. The doctoral research project may take place within Strathclyde or at the place of employment approved by the Board of Study.

#### Curriculum

1. 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

1. Candidates are required to pass modules and to perform to the satisfaction of the Board of Examiners in the taught component of the programme.
2. 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.
3. 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

1. 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.

#### Transfer

1. A candidate who fails to satisfy the requirements for the award of the DPharm may be transferred to the MRes in Clinical Pharmacy.