General and Course Regulations for Graduate and Postgraduate Awards and Degrees 2014-15

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<td>J Kyle</td>
<td>n/a</td>
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28/4/2015 Version 2.0

General and Course Regulations for Graduate and Postgraduate Awards and Degrees 2014-15

(Course Regulations 19-30 covering the postgraduate, continuing education and sub-degree courses of the four Faculties)

the place of useful learning
The University of Strathclyde is a charitable body, registered in Scotland, number SC015263
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- MSc in Civil Engineering with Geoenvironmental Engineering and Project Management
- Postgraduate Certificate in Integrated Pollution Prevention and Control
- Postgraduate Certificate in Geoenvironmental Engineering
- Postgraduate Certificate in Climate Change Adaption
- MSc in Geotechnics
- MSc in Global Water Sustainability
- MSc in Environmental Health
- MSc in Sustainability and Environmental Studies
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19.45 Department of Design, Manufacture and Engineering Management

- MSc in Computer Aided Engineering Design
- MSc in Mechatronics and Automation
- MSc in Digital Creativity
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- MSc in Systems Engineering
- Supply Chain and Operations Management Programme (UK)
- MSc in Supply Chain and Operations Management
- MSc in Supply Chain and Logistics Management
- MSc in Supply Chain and Procurement Management
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- MSc in Supply Chain and Operations Management
- MSc in Supply Chain and Logistics Management
- MSc in Supply Chain and Procurement Management
- MSc in Global Innovation Management
- Postgraduate Diploma in Global Innovation Management
- MSc in Lean Six Sigma for Process Excellence
- MSc in Product Engineering Design
- MSc in Advanced Manufacturing: Technology and Systems
- MSc in Advanced Manufacturing: Forging and Forming

19.46 Department of Electronic and Electrical Engineering

- MSc in Communications, Control and Digital Signal Processing
- MSc in Electrical Power Engineering with Business
- MSc in Electricity Industry Management and Technology
- MSc in Electronic and Electrical Engineering
- MSc in Signal Processing
- MSc in Communications Technology and Policy
- MSc in Wind Energy Systems
- MSc in Advanced Electrical Power Engineering

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20.17 Department of Physics
MRes in Physics

20.18 PhD in Applications of Next Generation Accelerators

20.22 Strathclyde Institute of Pharmacy and Biomedical Sciences
MRes in Biochemistry
MRes in Immunology
MRes in Microbiology
MRes in In Vivo Sciences
MRes in Neuroscience
MRes in Parasitology
MRes in Pharmacology
MRes in Drug Delivery Systems
MRes in Drug Discovery
MRes in Toxicology
MRes in Clinical Pharmacy
Doctor of Pharmacy

Faculties of Science and Engineering: Joint Courses

Doctor of Engineering in Photonics
Doctor of Engineering in System Level Integration
Doctor of Engineering in Sensors and Imaging Systems

Faculty of Engineering

20.40 Faculty Courses
MRes in Engineering
Doctor of Engineering (EngD) in Nuclear Engineering
Doctor of Engineering in Sensors and Imaging Systems

20.41 Department of Architecture
Master of Research in Building Design and Management for Sustainability

20.42 Department of Bioengineering
MRes in Biomedical Engineering
Doctor of Engineering (EngD) in Medical Devices
MRes in Medical Technology

20.44 Department of Civil and Environmental Engineering
MRes in Geoenvironmental Engineering
MRes in Integrated Pollution Prevention and Control
MRes in Climate Change Adaptation

20.45 Department of Design Manufacture and Engineering Management
Doctor of Engineering (EngD) in Systems Engineering
Doctor of Engineering (EngD) in Advanced Manufacturing: Forging and Forming

20.46 Department of Electronic and Electrical Engineering
MRes in Wind Energy Systems
Strathclyde Business School

20.80 Faculty Courses
- Doctor of Business Administration
- MRes in Research Methodology in Business and Management
- MRes in Research Methodology in Business and Management (Risk and Reliability)

Faculty of Humanities and Social Sciences

20.120 Faculty Courses
- Master of Research (MRes)
- Doctor of Education (EdD)
- Professional Doctorate in Counselling Psychology

20.132 School of Psychological Sciences and Health
- Doctor of Educational Psychology
- MRes in Social Research

Continuing Education

22.1 Continuing Education
- Certificate of Continuing Education

Faculty of Humanities and Social Sciences

- Certificate of Continuing Education in French
- Certificate of Continuing Education in Italian
- Certificate of Continuing Education in Spanish
- Certificate of Applied Language Study in French
- Certificate of Applied Language Study in Italian
- Certificate of Applied Language Study in Spanish

22.3 Centre for Lifelong Learning
- Open Studies Certificate

Strathclyde Business School

22.92 Department of Economics
- Certificate of Continuing Education in Economics
General Regulations for Graduate Diplomas and other Courses requiring Graduate Entry

For admission to courses in this section of the Calendar, a first degree or equivalent qualification is required. These qualifications are typically for graduates or equivalent, but the outcomes are not of postgraduate level.

The University confers the following awards by the authority of Senate under Ordinances 3 and 5 in accordance with the following Regulation 18.1.

Taught Awards
Graduate Diploma
Professional Graduate Diploma

Notes
1 Decisions on admission are taken by Course Directors (or nominee)
2 Decisions on awards are taken by Boards of Study on behalf of the Senate.
3 All decisions taken by the Boards of Study, acting on behalf of Senate, shall subsequently be reported to Senate.
4 All decisions taken by Boards of Examiners acting on behalf of the relevant Board of Study shall subsequently be reported to that Board.
5 Where reference is made in Regulations to information in Course Handbooks, that information shall have been approved by the relevant Board of Study.
6 In interpreting these regulations, regard should be had to the University’s Policy and Procedures for Teaching and Learning and, where appropriate, Course Handbooks. Students should also have regard to the Regulations contained in Part 1 of the University Calendar.
7 In the unlikely event of any conflict between the Regulations and other University publications including Course Handbooks, Regulations take precedence.
18.1 General Regulations for Graduate Diplomas and other Courses Requiring Graduate Entry

[The following General Regulations should be read in conjunction with the regulations governing specific courses]

**Admission**

18.1.1 Applicants shall normally:
(i) possess a degree from a United Kingdom University; or
(ii) possess other qualifications deemed, by the Course Director (or nominee) acting on behalf of Senate, to be equivalent to (i) above; or
(iii) be deemed, by the Course Director (or nominee) acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

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

The University will operate a screening procedure for applicants in respect of criminal convictions.

Courses which involve students in contact with children under 18 or vulnerable adults will require students to be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, to apply for an update.

18.1.3 Applicants who satisfy the provisions of Regulation 18.1.1 may, in addition, be required to have had a period of relevant experience acceptable to the Senate.

**Credit Transfer and Recognition of Prior Learning (RPL)**

18.1.4 The relevant Course Director (or nominee) may admit applicants and/or approve exemption from part of a course by credit transfer or RPL provided this is done in accordance with University procedures and against criteria defined on a course by course basis.

Credit granted for credit transfer or RPL may only be used once and, when used to gain exemption, will normally relate to achievements within 5 years of registration on a University of Strathclyde programme.

Exemption granted on the basis of credit transfer or RPL will be allowed primarily where students can demonstrate that the relevant specific learning outcomes have been achieved (i.e. primarily for specific rather than general credit). The extent of any allowed exemption shall be preferably no greater than 34% and normally not exceed 50% of the credits appropriate to the course. Exceptionally, by formal resolution, the Senate may approve up to 67% exemption in special circumstances.

Where any such exemption is granted, the Board of Study, acting on behalf of Senate, may approve an appropriate reduction in the minimum period of study.

**Minimum Periods of Study**

18.1.5 The minimum period of study shall normally be as follows:

*For full-time study*

<table>
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<tr>
<th>Course</th>
<th>Period</th>
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<tbody>
<tr>
<td>Graduate Diploma</td>
<td>9 months</td>
</tr>
<tr>
<td>Professional Graduate Diploma</td>
<td>9 months</td>
</tr>
</tbody>
</table>
For part-time study, the minimum period of study shall be the learning equivalent of the full-time study period required taking account of the conditions under which the student will work. The overall duration of study will normally be greater than for full-time study.

**Maximum Periods of Study**

18.1.6 Unless specifically stated otherwise in the relevant course regulations, students shall be required to complete their course including the submission of any dissertation, design or report within a prescribed period from the date of the student’s registration as follows:

*For full-time study*
- Graduate Diploma: 24 months
- Professional Graduate Diploma: 21 months

*For part-time study*
- Graduate Diploma: 48 months elapsed time
- Professional Graduate Diploma: 36 months elapsed time

Exceptionally, the maximum period of study may be extended by Senate on the recommendation of the Board of Study.

**Mode of Study**

18.1.7 Courses may be offered on a full-time and/or part-time basis. At the discretion of the relevant Board of Study on the recommendation of the relevant Course Director (or nominee), a student may transfer from full-time to part-time study and vice-versa where an appropriate course is available, at which time the relevant minimum and maximum periods of study will be reviewed.

**Place of Study**

18.1.8 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 (see Regulation 20.6 and University Guidelines and Procedures for collaborative provision leading to awards or joint awards of the University).

**Course Structure and Curriculum**

18.1.9 Each candidate for an award must follow the curriculum as prescribed in the relevant course regulations. This shall be set out in the course regulations and shall indicate which classes are compulsory or optional. The Senate on the recommendation of the relevant Board of Study may amend these from time to time.

The curriculum of every student must be approved in advance by the relevant Course Director or equivalent acting on behalf of the Board of Study. Where a pass in a particular class is a necessary condition for progress or for an award, this shall be clearly stated in the relevant course regulations. The choice of classes 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 classes passed.
18.1.10 The curriculum may include a design or other project or the submission of a dissertation.
Course delivery, materials, assessed work and oral examination shall be in English unless stated otherwise in individual course regulations and published in the Course Handbook.
The University cannot guarantee that all optional classes will be available in any given academic year.

18.1.11 In accordance with the University Awards Framework in Regulation 18.1.12, individual classes shall be assigned a level based on expected learning outcomes and a credit rating based on the volume of learning required.

18.1.12 The structure of taught courses shall normally accord with the following table:

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<th>Award</th>
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<th>Minimum Level Requirement</th>
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<tr>
<td>Graduate Diploma</td>
<td>120</td>
<td>Graduate entry and 90 credits at Level 4</td>
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<tr>
<td>Professional Graduate Diploma</td>
<td>minimum 120</td>
<td>Graduate entry and all credits at Level 4</td>
</tr>
</tbody>
</table>

For the avoidance of doubt, credits at a higher level shall, where necessary, be deemed to satisfy the requirements at a lower level.
Note: For a typical student one credit equates to approximately 10 hours of total student effort.

18.1.13 Where a dissertation is required, a student will normally be expected to have performed satisfactorily in the taught components of the course before being permitted to proceed to the dissertation. 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 Course Handbook.

18.1.14 Any dissertation submitted under the provisions of Regulation 18.1.13 must be written in English. Exceptionally, having regard to the nature and content of the dissertation, the Board of Study concerned, acting on behalf of Senate, may permit submission in another language, in which case a translation of the abstract as a minimum into English must accompany the dissertation.

18.1.15 Attendance and Performance
Every applicant admitted to a course of study shall be required to attend regularly and to perform satisfactorily the work of each class in their curriculum.
A student has an obligation to inform the University Student Experience – Student Business at the first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.
A student who, in the opinion of the Head(s) of the Department(s) offering a class and the relevant Vice Dean Academic, does not satisfy the requirements as to attendance and to performance and having been informed in writing, shall not be entitled to take the examination in the
subject of that class and shall be so informed. A student may subsequently be permitted by the Course Director (or nominee) to take the examination in the subject of the class at the next available opportunity subject to satisfactory completion of appropriate course work.

Examinations and Assessment

18.1.16 The Board of Examiners shall consist of not less than four persons including an External Examiner and academic staff responsible for the conduct of the course. It shall normally meet under the Convenership of the Course Director or Head of Department.

18.1.17 Students shall normally complete the assessments during the academic year in which the classes were undertaken unless permitted by the relevant Board of Study to postpone the assessment.

18.1.18 Classes shall be assessed by
(i) coursework assignments; or
(ii) written examinations; or
(iii) oral examinations; or
(iv) any combination of the above
unless specified otherwise in the relevant Course Handbook.

Except where a course includes an integrative/reflective class that will draw on work in other classes, each item of work may only be assessed in one class.

18.1.19 Candidates are required to pass written and oral examinations and to perform to the satisfaction of the Board of Examiners in the course work, and where required, in the dissertation or project.

18.1.20 A student who is deemed to have failed an assessment or who has been debarred in terms of Regulation 18.1.15 shall normally have one further opportunity to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide. The nature of re-assessment shall be identified in module descriptors and/or Course Handbooks. The attempt shall normally be made at the next available diet of examinations.

18.1.21 Notwithstanding Regulation 18.1.20, Boards of Examiners may exceptionally permit alternative forms of re-assessment for a class where they consider it to be in a student’s interest.

The Board of Examiners may also require the student to re-attend the class.

18.1.22 The Board of Examiners may discount an attempt for a class where appropriate medical or other evidence has been provided subject to report to the relevant Board of Study.

18.1.23 At the discretion of the Board of Examiners or Course Director (or nominee), and, where appropriate, in conjunction with the External Examiner, a student may be required to attend and participate in an oral examination.

Award of Credits

18.1.24 A student who satisfies the Board of Examiners in a class will be awarded the number of credits for that class.

Progress of Students

18.1.25 Details of any required minimum level of performance to permit a student to progress are shown in individual course regulations hereafter.

Where a course is available on a part-time basis, progress requirements shall be specified in the relevant course regulations.
Where credits in particular classes are required for progress, these shall be specified in the relevant course regulations.

18.1.26 Subject to prior approval of the Senate, Boards of Study may permit a Board of Examiners to apply compensation procedures according to prescribed criteria. In such cases, the criteria shall be detailed in the Course Handbooks.

18.1.27 The Board of Examiners acting on behalf of Senate, shall ratify one of the following:
(i) award of the appropriate diploma or other qualification with distinction;
(ii) award of the appropriate diploma or other qualification with merit;
(iii) award of the appropriate diploma or other qualification;
(iv) progress to subsequent stages of the course;
(v) withholding of the award of the diploma or other qualification pending further study or submission/resubmission of assignments;
(vi) transfer or termination of registration.

Transfer of Registration, Suspension and Withdrawal

18.1.28 Where a candidate 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
(i) suspend a student from attendance at classes but require them to undertake assessments in accord with Regulations 18.1.20 – 18.1.23 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 course; or
(ii) recommend the award (as appropriate); or
(iii) terminate the student’s registration and require the student to withdraw.

18.1.29 On the recommendation of the relevant Course Director (or nominee), the relevant Vice Dean Academic may permit a student to undertake voluntary suspension for the whole or part of an academic year or transfer to part-time study subject to this mode of study being available.

18.1.30 Notwithstanding Regulation 18.1.20, a student who is reported to the relevant Board of Study under Regulation 18.1.15 or Regulation 5.5.5 for persistent non-attendance at classes, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw from the course.

18.1.31 A student may be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulations 5.4 and 5.5.

Appeals against Transfer of Registration, Suspension, Termination, Withdrawal or Award Classification

18.1.32 A student who has been required to transfer registration or is suspended from attendance at classes or is required to withdraw under the provisions of Regulation 18.1.28 - 18.1.31 may appeal to the relevant Board of Study for reconsideration of the case.

18.1.33 A student may appeal to the relevant Board of Study for reconsideration of the classification of the award. Such an appeal must be submitted and the
outcome of any such appeal must be decided upon before the student’s award is confirmed.

The grounds for appeals under Regulations 18.1.32 and 18.1.33 may be any of the following:

(i) 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

(ii) 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

(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.

Such an appeal shall be lodged in writing with the relevant Faculty Officer 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 the award classification. The appeal shall be supported by appropriate documentary evidence not previously available.

A student has the 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 supported by all appropriate documentary evidence and shall be lodged with the Deputy Secretary within a period of six weeks from the date of notification to the student of the outcome of the preceding appeal to the Board of Study and shall be supported by all the appropriate documentary evidence. The student will have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

Classification of Award

A student may be awarded a Graduate Diploma, Professional Graduate Diploma or other award with merit or with distinction. In reaching their decision, Boards of Examiners shall have regard to a student's performance against criteria approved by Senate.

Award

A candidate who satisfies the conditions of the Ordinances governing the award of degrees, diplomas and certificates and of the general and course regulations will, on payment of the required fees, be entitled to receive the appropriate award. To qualify for the award, a candidate must have obtained passes in classes at all levels of the curriculum as specified in the course regulations. The candidate will receive a parchment setting forth the course of study in which the award has been granted and, if appropriate, the classification in which the candidate has been placed.
Course Regulations

Faculty of Engineering

18.46 Department of Electronic and Electrical Engineering

Electronic and Electrical Engineering

Graduate Diploma in Electronic and Electrical Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 18.1.]

Admission
18.46.1 Regulation 18.1.1 shall apply.

Duration of Study
18.46.2 Regulations 18.1.5 and 18.1.6 shall apply.

Mode of Study
18.46.3 The courses are available by full-time and part-time study.

Curriculum
18.46.4 All students shall undertake an approved curriculum of no fewer than 120 credits as follows:

Compulsory Class Level Credits
EE 420 Individual Project 4 40

Optional Classes
80 credits chosen from the list in Regulation 18.46.5

Optional classes must incorporate no fewer than 60 credits at Level 4 or above.

Optional Classes at Levels 3 and 4

EE 315 Analogue and Digital System Design 3 20
EE 317 Renewable Energy Technologies 3 20
EE 466 Power Electronics, Machines and Applications 4 20
EE 467 Power System Design, Operation and Protection 4 20
EE 468 Analogue Systems 4 20
EE 469 Digital Signal Processing Principles 4 20
EE 470 Information Transmission and Security 4 20
EE 471 Communications Networks 4 20
EE 472 Control Principles 4 20
EE 473 Photonic Systems 4 20

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

Examination, Progress and Final Assessment
Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the course work and in the Individual Project.

Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es) normally in the same academic year.

**Award**

Graduate Diploma: In order to qualify for the award of Graduate Diploma in Electronic and Electrical Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and have accumulated no fewer than 120 credits with at least 100 credits from Level 4 or above of which 40 must have been awarded in respect of the Individual Project.

(Numbers not used.)

**Information Technology Systems**

**Graduate Diploma in Information Technology Systems**  
(Conversion Course)

**Course Regulations**  
[These regulations are to be read in conjunction with Regulation 18.1.]

**Admission**

Regulation 18.1.1 shall apply.

**Duration of Study**

Regulations 18.1.5 and 18.1.6 shall apply.

**Mode of Study**

The courses are available by full-time and part-time study. Students follow a course of instruction including a dissertation.

**Curriculum**

All students shall undertake an approved curriculum of no fewer than 150 credits as follows:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 400 Dissertation</td>
<td>4</td>
<td>30</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 120 credits (including at least 60 at level 3 or above) chosen from:

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>19 205</td>
<td>Analogue Electronics</td>
</tr>
<tr>
<td>19 206</td>
<td>Digital Electronics</td>
</tr>
<tr>
<td>19 267</td>
<td>Electronic Processing Systems 2</td>
</tr>
<tr>
<td>19 313</td>
<td>Signals and Systems</td>
</tr>
<tr>
<td>19 325</td>
<td>Communications</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>19 343</td>
<td>Electronic CAD Project 1</td>
</tr>
<tr>
<td>19 345</td>
<td>Analogue Electronics 3</td>
</tr>
<tr>
<td>19 359</td>
<td>Electronic Processing Systems 3</td>
</tr>
<tr>
<td>19 449</td>
<td>Computer Vision</td>
</tr>
<tr>
<td>19 511</td>
<td>Mobile Communication Systems</td>
</tr>
<tr>
<td>19 980</td>
<td>Microcontroller Applications</td>
</tr>
<tr>
<td>19 981</td>
<td>Digital Signal Processing</td>
</tr>
<tr>
<td>19 983</td>
<td>Advanced Microprocessing Design and Neurocomputing</td>
</tr>
<tr>
<td>19 984</td>
<td>Photonic Systems</td>
</tr>
<tr>
<td>19 989</td>
<td>Information Transmission and Security</td>
</tr>
<tr>
<td>19 990</td>
<td>Communication Networks</td>
</tr>
<tr>
<td>53 202</td>
<td>Statistics for Engineers</td>
</tr>
<tr>
<td>56 103</td>
<td>Fundamentals of Engineering Management</td>
</tr>
<tr>
<td>56 201</td>
<td>Fundamentals of E-Business</td>
</tr>
<tr>
<td>56 205</td>
<td>Facilities Management</td>
</tr>
<tr>
<td>56 206</td>
<td>Management of Design Process</td>
</tr>
<tr>
<td>56 304</td>
<td>Engineering Economics</td>
</tr>
<tr>
<td>56 310</td>
<td>Sales Purchasing and Marketing</td>
</tr>
<tr>
<td>56 315</td>
<td>Managing People</td>
</tr>
<tr>
<td>EE 401</td>
<td>Engineering Analysis</td>
</tr>
<tr>
<td>EE 402</td>
<td>VHDL</td>
</tr>
<tr>
<td>Z1 104</td>
<td>Entrepreneurship: Introduction to Business</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

18.46.15 Regulations 18.1.18 – 18.1.19 shall apply.

**Award**

18.46.16 **Graduate Diploma:** In order to qualify for the award of Graduate Diploma in Information Technology Systems, a candidate must have performed to the satisfaction of the Board of Examiners and have accumulated no fewer than 120 credits with at least 90 credits from Level 4 or above and obtained a pass in the dissertation.

18.47 to 18.121 (Numbers not used.)
Faculty of Humanities and Social Sciences

Professional Graduate Diploma in Education (Primary)
Professional Graduate Diploma in Education (Secondary)

Course Regulations
[These regulations are to be read in conjunction with Regulation 18.1]

Admission

18.122.1 Regulation 18.1.1 shall apply. In addition, applicants must possess entry qualifications which meet the requirements of the Scottish Government’s “Memorandum on Entry Requirements to Courses of Teacher Education in Scotland (2009)”.

18.122.2 An applicant possessing a qualification deemed appropriate by Senate may undertake elements of the course in the Gaelic Medium.

18.122.3 Applicants will register for either the Professional Graduate Diploma in Education (Primary) or the Professional Graduate Diploma in Education (Secondary in a named subject).

18.122.4 Applicants are normally required to submit to an interview.

Duration of Study

18.122.5 Regulations 18.1.5 and 18.1.6 shall apply.

Mode of Study

18.122.6 The courses are available by full-time and part-time study.

Place of Study

18.122.7 The courses involve placements in schools and other establishments for which students must be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, must apply for an update.

18.122.8 The courses may be also offered at campuses of the UHI Millennium Institute by distance and blended learning.

18.122.9 The specialisms may be offered at local authority premises by distance and blended learning.

Course Structure

18.122.10 The Professional Graduate Diplomas in Education have a common overall structure where award of qualifications depends upon the pursuance of a named specialisation. Elements of the course may be undertaken in the Gaelic Medium.

The structure of the courses is as follows:
Pedagogy and the Curriculum 40 credits
Pedagogy and Placement Learning 40 credits
Educational Studies 40 credits

Students are entitled, with the approval of the Course Director, to undertake a maximum of 80 credits at Level 5 from their curriculum towards their award of PGDE.

Curriculum: Primary Specialism

18.122.11 All students shall undertake an approved curriculum as follows:
Compulsory Classes  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9 917</td>
<td>Pedagogy and Placement Learning 1A</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or X9 909</td>
<td>Educational Studies 1</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or X9 518</td>
<td>Educational Studies 2</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>and either</td>
<td>X9 900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or X9 516</td>
<td>Pedagogy and Curriculum for Primary 1</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or X9 517</td>
<td>Pedagogy and Curriculum for Primary 2</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

**Curriculum: Primary Specialism in the Gaelic Medium**

18.122.12  
All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9 818</td>
<td>Pedagogy and Placement Learning (Gaelic Medium) 1B</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>together with</td>
<td>X9 903</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or X9 517</td>
<td>Pedagogy and Curriculum for Primary (Gaelic Medium) 1</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>and either</td>
<td>X9 909</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or X9 518</td>
<td>Educational Studies 2</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

**Curriculum: Secondary Specialism**

18.122.13  
All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9 917</td>
<td>Pedagogy and Placement Learning 1A</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>and either</td>
<td>X9 909</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or X9 518</td>
<td>Educational Studies 2</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>or X9 912</td>
<td>Pedagogy and Curriculum Art and Design 1</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or X9 519</td>
<td>Pedagogy and Curriculum Art and Design 2</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Art and Design

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9 920</td>
<td>Pedagogy and Curriculum Biology with Science 1</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or X9 520</td>
<td>Pedagogy and Curriculum Biology with Science 2</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Biology with Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9 900</td>
<td>Pedagogy and Curriculum for Primary 1</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or X9 516</td>
<td>Pedagogy and Curriculum for Primary 2</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>
### Business Education
X9 922 Pedagogy and Curriculum Business Education 1 4 40
or
X9 521 Pedagogy and Curriculum Business Education 2 5 40

### Chemistry with Science
X9 923 Pedagogy and Curriculum Chemistry with Science 1 4 40
or
X9 522 Pedagogy and Curriculum Chemistry with Science 2 5 40

### Computing
X9 924 Pedagogy and Curriculum Computing 1 4 40
or
X9 523 Pedagogy and Curriculum Computing 2 5 40

### Drama
X9 926 Pedagogy and Curriculum Drama 1 4 40
or
X9 524 Pedagogy and Curriculum Drama 2 5 40

### English
X9 928 Pedagogy and Curriculum English 1 4 40
or
X9 525 Pedagogy and Curriculum English 2 5 40

### Gaelic
X9 929 Pedagogy and Curriculum Gaelic 1 4 40
or
X9 526 Pedagogy and Curriculum Gaelic 2 5 40

### Geography
X9 930 Pedagogy and Curriculum Geography 1 4 40
or
X9 527 Pedagogy and Curriculum Geography 2 5 40

### History
X9 931 Pedagogy and Curriculum History 1 4 40
or
X9 528 Pedagogy and Curriculum History 2 5 40

### Home Economics
X9 933 Pedagogy and Curriculum Home Economics 1 4 40
or
X9 529 Pedagogy and Curriculum Home Economics 2 5 40

### Mathematics
X9 934 Pedagogy and Curriculum Mathematics 1 4 40
or
X9 530 Pedagogy and Curriculum Mathematics 2 5 40
Modern Languages (French)
X9 935  Pedagogy and Curriculum Modern Languages (French) 1  4  40
or
X9 531  Pedagogy and Curriculum Modern Languages (French) 2  5  40

Modern Languages (German)
X9 939  Pedagogy and Curriculum Modern Languages (German) 1  4  40
or
X9 532  Pedagogy and Curriculum Modern Languages (German) 2  5  40

Modern Languages (Italian)
X9 940  Pedagogy and Curriculum Modern Languages (Italian) 1  4  40
or
X9 533  Pedagogy and Curriculum Modern Languages (Italian) 2  5  40

Modern Languages (Spanish)
X9 944  Pedagogy and Curriculum Modern Languages (Spanish) 1  4  40
or
X9 534  Pedagogy and Curriculum Modern Languages (Spanish) 2  5  40

Modern Languages (French and German)
X9 700  Pedagogy and Curriculum Modern Languages (French and German) 1  4  40
X9 535  Pedagogy and Curriculum Modern Languages (French and German) 2  5  40

Modern Languages (French and Italian)
X9 707  Pedagogy and Curriculum Modern Languages (French and Italian) 1  4  40
or
X9 536  Pedagogy and Curriculum Modern Languages (French and Italian) 2  5  40

Modern Languages (French and Spanish)
X9 748  Pedagogy and Curriculum Modern Languages (French and Spanish) 1  4  40
or
X9 537  Pedagogy and Curriculum Modern Languages (French and Spanish) 2  5  40

Modern Languages (German and French)
X9 749  Pedagogy and Curriculum Modern Languages (German and French) 1  4  40
or
X9 538  Pedagogy and Curriculum Modern Languages (German and French) 2  5  40

Modern Languages (German and Italian)
X9 746  Pedagogy and Curriculum Modern Languages (German and Italian) 1  4  40
or
X9 539  Pedagogy and Curriculum Modern Languages (German and Italian) 2  5  40

Modern Languages (German and Spanish)
X9 747  Pedagogy and Curriculum Modern Languages (German and Spanish) 1  4  40
or
X9 540  Pedagogy and Curriculum Modern Languages (German and Spanish) 2  5  40

Modern Languages (French and Italian and Spanish)
X9 749  Pedagogy and Curriculum Modern Languages (French and Italian and Spanish) 1  4  40
or
X9 541  Pedagogy and Curriculum Modern Languages (French and Italian and Spanish) 2  5  40

Modern Languages (German and French and Italian)
X9 749  Pedagogy and Curriculum Modern Languages (German and French and Italian) 1  4  40
or
X9 542  Pedagogy and Curriculum Modern Languages (German and French and Italian) 2  5  40

Modern Languages (German and French and Spanish)
X9 749  Pedagogy and Curriculum Modern Languages (German and French and Spanish) 1  4  40
or
X9 543  Pedagogy and Curriculum Modern Languages (German and French and Spanish) 2  5  40

Modern Languages (German and Italian and Spanish)
X9 749  Pedagogy and Curriculum Modern Languages (German and Italian and Spanish) 1  4  40
or
X9 544  Pedagogy and Curriculum Modern Languages (German and Italian and Spanish) 2  5  40

Modern Languages (French and Spanish and Italian)
X9 749  Pedagogy and Curriculum Modern Languages (French and Spanish and Italian) 1  4  40
or
X9 545  Pedagogy and Curriculum Modern Languages (French and Spanish and Italian) 2  5  40

Modern Languages (German and French and Spanish and Italian)
X9 749  Pedagogy and Curriculum Modern Languages (German and French and Spanish and Italian) 1  4  40
or
X9 546  Pedagogy and Curriculum Modern Languages (German and French and Spanish and Italian) 2  5  40

Modern Languages (French and German and Italian and Spanish)
X9 749  Pedagogy and Curriculum Modern Languages (French and German and Italian and Spanish) 1  4  40
or
X9 547  Pedagogy and Curriculum Modern Languages (French and German and Italian and Spanish) 2  5  40

Modern Languages (French, German, Italian, and Spanish)
X9 749  Pedagogy and Curriculum Modern Languages (French, German, Italian, and Spanish) 1  4  40
or
X9 548  Pedagogy and Curriculum Modern Languages (French, German, Italian, and Spanish) 2  5  40
<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Languages (German and French) 1</td>
<td>X9 538</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or Modern Languages (German and French) 2</td>
<td></td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Modern Languages (Spanish and French)

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Languages (Spanish and French) 1</td>
<td>X9 750</td>
<td>4</td>
<td>40</td>
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<tr>
<td>or Modern Languages (Spanish and French) 2</td>
<td></td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Modern Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Studies 1</td>
<td>X9 751</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or Modern Studies 2</td>
<td>X9 540</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music 1</td>
<td>X9 752</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or Music 2</td>
<td>X9 541</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Physics with Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics with Science 1</td>
<td>X9 753</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or Physics with Science 2</td>
<td>X9 542</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Physical Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education 1</td>
<td>X9 754</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or Physical Education 2</td>
<td>X9 543</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Religious Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religious Education 1</td>
<td>X9 755</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or Religious Education 2B</td>
<td>X9 544</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Technological Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technological Education 1</td>
<td>X9 756</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>or Technological Education 2B</td>
<td>X9 545</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Curriculum: Secondary Specialism in the Gaelic Medium

18.122.14 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Year</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Placement Learning (Gaelic Medium) 1B</td>
<td>X9 818</td>
<td>4</td>
<td>40</td>
</tr>
</tbody>
</table>
and either
X9 909 Educational Studies 1  4  40
or
X9 518 Educational Studies 2  5  40
together with classes appropriate to the chosen subject specialisation

*Art and Design (Gaelic Medium)*
X9 757 Pedagogy and Curriculum Art and Design (Gaelic Medium) 1  4  40
or
X9 546 Pedagogy and Curriculum Art and Design (Gaelic Medium) 2  5  40

*Biology with Science (Gaelic Medium)*
X9 758 Pedagogy and Curriculum Biology with Science (Gaelic Medium) 1  4  40
or
X9 547 Pedagogy and Curriculum Biology with Science (Gaelic Medium) 2  5  40

*Business Education (Gaelic Medium)*
X9 759 Pedagogy and Curriculum Business Education (Gaelic Medium) 1  4  40
or
X9 548 Pedagogy and Curriculum Business Education (Gaelic Medium) 2  5  40

*Chemistry with Science (Gaelic Medium)*
X9 760 Pedagogy and Curriculum Chemistry with Science (Gaelic Medium) 1  4  20
or
X9 549 Pedagogy and Curriculum Chemistry with Science (Gaelic Medium) 2  5  40

*Computing (Gaelic Medium)*
X9 761 Pedagogy and Curriculum Computing (Gaelic Medium) 1  4  40
or
X9 550 Pedagogy and Curriculum Computing (Gaelic Medium) 2  5  40

*Drama (Gaelic Medium)*
X9 762 Pedagogy and Curriculum Drama (Gaelic Medium) 1  4  40
or
X9 551 Pedagogy and Curriculum Drama (Gaelic Medium) 2  5  40

*Geography (Gaelic Medium)*
X9 763 Pedagogy and Curriculum Geography (Gaelic Medium) 1  4  40
Pedagogy and Curriculum Geography (Gaelic Medium) 2

Pedagogy and Curriculum History (Gaelic Medium) 1

Pedagogy and Curriculum History (Gaelic Medium) 2

Home Economics (Gaelic Medium)

Pedagogy and Curriculum Home Economics (Gaelic Medium) 1

Pedagogy and Curriculum Home Economics (Gaelic Medium) 2

Mathematics (Gaelic Medium)

Pedagogy and Curriculum Mathematics (Gaelic Medium) 1

Pedagogy and Curriculum Mathematics (Gaelic Medium) 2

Modern Languages (French) (Gaelic Medium)

Pedagogy and Curriculum Modern Languages (French) (Gaelic Medium) 1

Pedagogy and Curriculum Modern Languages (French) (Gaelic Medium) 2

Modern Languages (German) (Gaelic Medium)

Pedagogy and Curriculum Modern Languages (German) (Gaelic Medium) 1

Pedagogy and Curriculum Modern Languages (German) (Gaelic Medium) 2

Modern Languages (Italian) (Gaelic Medium)

Pedagogy and Curriculum Modern Languages (Italian) (Gaelic Medium) 1

Pedagogy and Curriculum Modern Languages (Italian) (Gaelic Medium) 2

Modern Languages (Spanish) (Gaelic Medium)

Pedagogy and Curriculum Modern Languages (Spanish) (Gaelic Medium) 1

Pedagogy and Curriculum Modern Languages (Spanish) (Gaelic Medium) 2
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modern Languages (French and German) (Gaelic Medium)</td>
<td>X9 771</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (French and German) (Gaelic Medium) 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>X9 560</td>
<td>5 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (French and German) (Gaelic Medium) 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Languages (French and Italian) (Gaelic Medium)</td>
<td>X9 772</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (French and Italian) (Gaelic Medium) 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>X9 561</td>
<td>5 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (French and Italian) (Gaelic Medium) 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Languages (French and Spanish) (Gaelic Medium)</td>
<td>X9 773</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (French and Spanish) (Gaelic Medium) 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>X9 562</td>
<td>5 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (French and Spanish) (Gaelic Medium) 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Languages (German and French) (Gaelic Medium)</td>
<td>X9 774</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (German and French) (Gaelic Medium) 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>X9 563</td>
<td>5 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (German and French) (Gaelic Medium) 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Languages (Spanish and French) (Gaelic Medium)</td>
<td>X9 775</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (Spanish and French) (Gaelic Medium) 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>X9 564</td>
<td>5 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Languages (Spanish and French) (Gaelic Medium) 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Studies (Gaelic Medium)</td>
<td>X9 776</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Studies (Gaelic Medium) 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>X9 565</td>
<td>5 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Modern Studies (Gaelic Medium) 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music (Gaelic Medium)</td>
<td>X9 777</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Music (Gaelic Medium) 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or</td>
<td>X9 566</td>
<td>5 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Music (Gaelic Medium) 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics with Science (Gaelic Medium)</td>
<td>X9 778</td>
<td>4 40</td>
</tr>
<tr>
<td>Pedagogy and Curriculum Physics with Science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
or X9 567 Pedagogy and Curriculum Physics with Science (Gaelic Medium) 2 5 40

Physical Education (Gaelic Medium)
X9 779 Pedagogy and Curriculum Physical Education (Gaelic Medium) 1 4 40
or X9 568 Pedagogy and Curriculum Physical Education (Gaelic Medium) 2 5 40

Religious Education (Gaelic Medium)
X9 780 Pedagogy and Curriculum Religious Education (Gaelic Medium) 1 4 40
or X9 569 Pedagogy and Curriculum Religious Education (Gaelic Medium) 2 5 40

Technological Education (Gaelic Medium)
X9 781 Pedagogy and Curriculum Technological Education (Gaelic Medium) 1 4 40
or X9 570 Pedagogy and Curriculum Technological Education (Gaelic Medium) 2 5 40

Examination, Progress and Final Assessment

18.122.15 Notwithstanding the provisions of Regulation 18.1.30, a student who has failed to achieve a satisfactory standard in the assignments may be permitted by the Board of Examiners to have one further attempt to obtain a pass in the outstanding assignments no later than the October of the year following registration on the course.

18.122.16 Notwithstanding the provisions of Regulation 18.1.30, a student who has failed to achieve a satisfactory standard in Placement Experience by the June of the year following registration on the course may be permitted one further period of Placement Experience in order to achieve a satisfactory standard.

18.122.17 Notwithstanding the provisions of Regulation 18.1.20 and as permitted by Regulation 18.1.31, a student who has performed unsatisfactorily at the first assessment for a class at Level 5, may be permitted one further attempt at the class at Level 4.

18.122.18 The final assessment for the award of the Professional Graduate Diploma in Education will be based on performance in Placement Experience, coursework and, if required, an oral examination.

Award

18.122.19 In order to qualify for the award of a Professional Graduate Diploma in Education, a candidate must have demonstrated that they have met the Standard for Initial Teacher Education as specified by the General Teaching Council for Scotland and the Scottish Government.

18.122.20 Professional Graduate Diploma in Education (Primary): In order to qualify for the award of Professional Graduate Diploma in Education (Primary), a
candidate must have accumulated no fewer than 120 credits from the course curriculum.

18.122.21  Professional Graduate Diploma in Education (Secondary in a named subject): In order to qualify for the award of Professional Graduate Diploma in Education (Secondary in named subject) a candidate must have accumulated no fewer than 120 credits from the course curriculum including those from classes in the named subject.

18.122.22
to 18.122.30  (Numbers not used)
Education (Adult Literacies)

Professional Graduate Diploma in Education (Adult Literacies)

Course Regulations
[These regulations are to be read in conjunction with Regulation 18.1]

Admission
18.122.31 Applicants are normally required to possess a degree of a United Kingdom university or a qualification deemed to be equivalent by the Senate. In addition, applicants must have a minimum of 2 years experience as Adult Literacies tutors or in an equivalent adult education area and must at the time of the enrolling on course and have a current Adult Literacies post (voluntary, part-time, sessional or full-time).

Duration of Study
18.122.32 Regulations 18.1.4 and 18.1.5 shall apply. The normal duration of study will be 18 months.

Place of Study
18.122.33 The course will involve work-based learning and study time based at Strathclyde divided between learning centre work in groups and participating in the virtual learning environment (distance learning).

Mode of Study
18.122.34 The course is available by part-time study only.

Curriculum
18.122.35 All students shall undertake classes amounting to no fewer than 120 credits as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 868 Making Mental Models of Literacies and Learning 2</td>
<td>4</td>
<td>30</td>
</tr>
<tr>
<td>X7 869 The Enabling Net of Support for Literacies Learners 2</td>
<td>4</td>
<td>30</td>
</tr>
<tr>
<td>X7 870 Expanding our Repertoire of Literacies Teaching and Learning Strategies 2</td>
<td>4</td>
<td>30</td>
</tr>
<tr>
<td>X7 871 Learning Worlds and Literacies 2</td>
<td>4</td>
<td>30</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
18.123.36 Regulations 18.1.19 and 18.1.20 shall apply.
18.123.37 The final assessment will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

Award
18.122.38 Professional Graduate Diploma: In order to qualify for the award of the Professional Graduate Diploma in Education (Adult Literacies), a candidate must have accumulated no fewer than 120 credits from the course curriculum.
Graduate Diploma in English Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 18.1]

Admission
18.123.1 Notwithstanding Regulation 18.1.1, applicants shall normally possess
(i) a degree, in a discipline other than English Literature, of a United
Kingdom university; or
(ii) a qualification deemed by the Course Director acting on behalf of
Senate to be the equivalent of (i) above.

Duration of Study
18.123.2 Regulations 18.1.5 and 18.1.6 shall apply.

Mode of Study
18.123.3 The course is available by full-time and part-time study.

Curriculum
18.123.4 All students shall undertake an approved curriculum comprising no fewer
than 120 credits as follows:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES 400 Dissertation</td>
<td>4</td>
<td>30</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 90 credits chosen from the Level 4 optional classes available
in Regulation 15.60.55.

Examination, Progress and Final Assessment
18.123.5 Candidates are required to pass written examinations and to perform
satisfactorily in the course work and in the Dissertation.
18.123.6 Candidates who fail to satisfy the examiners in any class shall be permitted
one further attempt to pass the relevant class(es) normally in the same
academic year.
18.123.7 Progress between semesters, and where appropriate between years, may
be dependent on satisfactory performance in the earlier part of the course.
18.123.8 The final assessment will be based on performance in the examinations,
coursework, the dissertation and, if required, in an oral examination.

Award
18.123.9 **Graduate Diploma in English Studies:** In order to qualify for the award of
the Graduate Diploma in English Studies, a candidate must have performed
to the satisfaction of the Board of Examiners and must have accumulated no
fewer than 120 credits of which 30 must have been awarded in respect of
the Dissertation.
18.123.10 **Graduate Diploma in English Studies with distinction:** A candidate who
satisfies the requirements of the regulations governing the award of the
Graduate Diploma and who has, in the opinion of the Board of Examiners
and according to prescribed criteria, attained a high level of overall
performance in the coursework, may be awarded the Graduate Diploma in English Studies with distinction.

English Language Teaching Division

The Graduate Diploma in English for Postgraduate Study is frequently a precursor to a postgraduate programme leading to admission to a Master’s or doctoral degree.

Graduate Diploma in English for Postgraduate Study

Course Regulations

[These regulations are to be read in conjunction with Regulation 18.1]

Admission

18.123.11 Regulation 18.1 shall apply.

Duration of Study

18.123.12 Regulations 18.1.5 and 18.1.6 shall apply.

Mode of Study

18.123.13 The course is available by full-time study only.

Curriculum

18.123.14 All students shall undertake an approved curriculum comprising no fewer than 120 credits as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
</table>
| Unit 1
| AF 401 English Language Skills                          | 4     | 10      |
| AF 402 Reading and Writing Skills                        | 4     | 10      |
| AF 403 English for Academic Purposes                     | 4     | 10      |
| AF 404 Effective Study Skills                            | 4     | 10      |
| Unit 2
| AF 405 Academic Listening/Academic Reading              | 4     | 10      |
| AF 406 Academic Writing                                 | 4     | 10      |
| AF 407 Study Skills for Postgraduate Study              | 4     | 10      |
| AF 413 Speaking and Listening in Specific Academic Contexts | 4     | 10      |
| Unit 3
| AF 408 British Life and Institutions                    | 4     | 10      |
| AF 411 Academic Speaking                                | 4     | 10      |
| AF 412 Postgraduate Study Project                        | 4     | 10      |
| AF 414 Integrated EAP Skills                             | 4     | 10      |

Examination, Progress and Final Assessment

18.123.15 Candidates are required to pass oral and written examinations and to perform satisfactorily in the coursework assignments set and in an extended project.

18.123.16 Progress between units may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
The final overall assessment will be based on the aggregated results achieved in each of the 12 classes.

**Award**

**Graduate Diploma in English for Postgraduate Study:** In order to qualify for the award of the Graduate Diploma in English for Postgraduate Study, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits.
Postgraduate Study

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

The University confers the following awards by the authority of the Senate under Ordinances 3, 4 and 5 in accordance with the following Regulation 19.1.

Taught Degrees [Degrees with a predominant or significant taught content]
Master in Management (MiM)
Master of Architecture (MArch)
Master of Arts (MA)
Master of Business Administration (MBA)
Master of Communications Management (MCM)
Master of Education (MEd)
Master of Environmental Studies (MEnvS)
Master of Laws (LLM)
Master of Letters (MLitt)
Master of Science (MSc)
Master of Technology Management (MTM)

Taught Diplomas and Certificates
Postgraduate Diploma, Postgraduate Certificate

Notes
1 Decisions on admission are taken by Course Directors (or nominee)
2 Decisions on awards are taken by Boards of Study on behalf of the Senate.
3 All decisions taken by the Boards of Study, acting on behalf of Senate, shall subsequently be reported to Senate.
4 All decisions taken by Boards of Examiners acting on behalf of the relevant Board of Study shall subsequently be reported to that Board.
5 Where reference is made in Regulations to information in Course Handbooks, that information shall have been approved by the relevant Board of Study.
6 In interpreting these regulations, regard should be had to the University’s Policy and Procedures for Teaching and Learning and, where appropriate, Course Handbooks. Students shall also have regard to the Regulations contained in Part 1 of the University Calendar.
7 In the unlikely event of any conflict between the Regulations and other University publications including Course Handbooks, Regulations take precedence.
19.1 General Regulations for Postgraduate Awards by Instruction
[The following General Regulations should be read in conjunction with the regulations governing specific courses]

Admission

19.1.1 Applicants shall normally:
(i) possess a degree (or in the case of direct entry to a Masters programme, a first or second class honours degree) from a United Kingdom University; or
(ii) possess other qualifications deemed, by the Course Director (or nominee) acting on behalf of Senate, to be equivalent to (i) above; or
(iii) be deemed, by the Course Director (or nominee) acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above

19.1.2 In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language. The University will operate a screening procedure for applicants in respect of criminal convictions. Courses which involve students in contact with children under 18 or vulnerable adults will require students to be a member of the PVG (Protecting Vulnerable Groups) Scheme or, if already a member, to apply for an update.

19.1.3 Applicants who satisfy the provisions of Regulation 19.1.1 may, in addition, be required to have had a period of relevant experience acceptable to the Senate.

Credit Transfer and Recognition of Prior Learning (RPL)

19.1.4 The relevant Course Director (or nominee) may admit applicants and/or approve exemption from part of a course by credit transfer or RPL provided this is done in accordance with University procedures and against criteria defined on a course by course basis. Credit granted for credit transfer or RPL may only be used once and, when used to gain exemption, will normally relate to achievements within 5 years of registration on a University of Strathclyde programme. Exemption granted on the basis of credit transfer or RPL will be allowed primarily where students can demonstrate that the relevant specific learning outcomes have been achieved (i.e. primarily for specific rather than general credit). The extent of any allowed exemption shall be preferably no greater than 34% and normally not exceed 50% of the credits appropriate to the course. Exceptionally, by formal resolution, the Senate may approve up to 67% exemption in special circumstances. Where any such exemption is granted, the Board of Study, acting on behalf of Senate, may approve an appropriate reduction in the minimum period of study.

Minimum Periods of Study

19.1.5 The minimum period of study shall normally be as follows:

For full-time study
Masters by full-time study 12 months
PG Diploma by full-time study 8 months
PG Certificate by full-time study 4 months
For part-time study, the minimum period of study shall be the learning equivalent of the full-time study period required taking account of the conditions under which the student will work. The overall duration of study will normally be greater than for full-time study.

**Maximum Periods of Study**

19.1.6 Unless specifically stated otherwise in the relevant course regulations, students shall be required to complete their course including the submission of any dissertation, design or report within a prescribed period from the date of the student’s registration as follows:

*For full-time study*
- Masters by full-time study: 36 months
- PG Diploma by full-time study: 24 months
- PG Certificate by full-time study: 12 months

*For part-time study*
- Masters by part-time study: 60 months elapsed time
- PG Diploma by part-time study: 48 months elapsed time
- PG Certificate by part-time study: 24 months elapsed time

Exceptionally, the maximum period of study may be extended by Senate on the recommendation of the Board of Study.

**Mode of Study**

19.1.7 Courses may be offered on a full-time and/or part-time basis. At the discretion of the relevant Board of Study on the recommendation of the relevant Course Director (or nominee), a student may transfer from full-time to part-time study and vice-versa where an appropriate course is available, at which time the relevant minimum and maximum periods of study will be reviewed.

**Place of Study**

19.1.8 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 (see Regulation 20.6 and University Guidelines and Procedures for collaborative provision leading to awards or joint awards of the University).

**Course Structure and Curriculum**

19.1.9 Each candidate for an award must follow the curriculum as prescribed in the relevant course regulations. These may be amended from time to time by the Senate on the recommendation of the relevant Board of Study.

19.1.10 In accordance with the University Awards Framework, individual classes shall be assigned a level based on expected learning outcomes and a credit rating based on the volume of learning required.

19.1.11 The structure of taught courses shall normally accord with the following table:
<table>
<thead>
<tr>
<th>Award</th>
<th>Credit Requirements</th>
<th>Minimum Level Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate Certificate</td>
<td>60</td>
<td>50 credits at Level 5</td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>120</td>
<td>100 credits at Level 5</td>
</tr>
<tr>
<td>Masters Degree</td>
<td>180</td>
<td>150 credits at Level 5</td>
</tr>
</tbody>
</table>

Notes:
1. For a typical student one credit equates to approximately 10 hours of total student effort.
2. In certain circumstances, for example to meet professional accreditation requirements, the credit requirement may exceed the above framework.

19.1.12 The curriculum of every student must be approved in advance by the relevant Course Director or equivalent acting on behalf of the relevant Board of Study.

19.1.13 Where a pass in a particular class is a necessary condition for progress or for an award, this shall be clearly stated in the relevant course regulations.

19.1.14 The curriculum may include a design or other project or a dissertation.

19.1.15 Course delivery, materials, assessed work and oral examination shall be in English unless stated otherwise in individual course regulations and published in the Course Handbook.

19.1.16 Notwithstanding the provisions of Regulation 19.11.12, where unlisted optional classes may be chosen as part of the curriculum, the approval of the Head of Department (or nominee) responsible for offering each class is also required.

19.1.17 The University cannot guarantee that all optional classes will be available in any given academic year. The choice of classes 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 classes passed.

19.1.18 In order to qualify for a University of Strathclyde award, a student who has been granted exemption from part of a University of Strathclyde course through credit transfer or RPL (in accord with Regulation 19.1.3) must gain from the University of Strathclyde course curriculum a minimum of one-third of the overall credit requirement for that award.

**Dissertation**

19.1.19 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 course before being permitted to proceed to the dissertation. 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 Course Handbook.

19.1.20 Any dissertation submitted under the provisions of Regulation 19.1.19 must be written in English. Exceptionally, having regard to the nature and content of the dissertation, the Board of Study concerned, acting on behalf of Senate, may permit submission in another language, in which case a translation of the abstract as a minimum into English must accompany the dissertation.

**Attendance and Performance**
19.1.21 Every applicant admitted to a course of study shall be required to attend regularly and to perform satisfactorily the work of each class in their curriculum.

19.1.22 A student has an obligation to inform the University Student Experience – Student Business at the first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.

19.1.23 A student who, in the opinion of the Head(s) of the Department(s) offering a class and the relevant Vice Dean Academic, does not satisfy the requirements as to attendance and to performance and having been informed in writing, shall not be entitled to take the examination in the subject of that class and shall be so informed.

19.1.24 Notwithstanding Regulation 19.1.23, a student may subsequently be permitted by the Course Director (or nominee) to take the examination in the subject of the class at the next available opportunity subject to satisfactory completion of appropriate course work.

Examinations and Assessment

19.1.25 The Board of Examiners shall consist of not less than four persons including an External Examiner and academic staff responsible for the conduct of the course. It shall normally meet under the Convenership of the Course Director or Head of Department.

19.1.26 A student shall normally complete the assessments during the academic year in which the classes were undertaken unless permitted by the relevant Board of Study to postpone the assessment.

19.1.27 Classes shall be assessed by
(i) coursework assignments; or
(ii) written examinations; or
(iii) oral examinations; or
(iv) any combination of the above
unless specified otherwise in the relevant Course Handbook.

19.1.28 Except where a course includes an integrative/reflective class that will draw on work in other classes, each item of work may only be assessed in one class.

19.1.29 Candidates are required to pass written and oral examinations and to perform to the satisfaction of the Board of Examiners in the course work, and in the case of candidates for the degree of Master, in the dissertation or project.

19.1.30 A student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have one further opportunity to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide. The nature of re-assessment shall be identified in module descriptors and/or Course Handbooks. The attempt shall normally be made at the next available diet of examinations.

Exceptionally, candidates for taught masters degrees who fail to satisfy the Board of Examiners may, in the light of their overall performance and subject to the approval of the Board of Examiners, be permitted to revise and re-submit their dissertation, normally within one year of the first submission.

19.1.31 Notwithstanding Regulation 19.1.30, Boards of Examiners may exceptionally permit alternative forms of re-assessment for a class where they consider it to be in a student’s interest.
The Board of Examiners may also require the student to re-attend the class.

19.1.32 The Board of Examiners may discount an attempt for a class where appropriate medical or other evidence has been provided subject to report to the relevant Board of Study.

19.1.33 At the discretion of the Board of Examiners or Course Director (or nominee), and, where appropriate, in conjunction with the External Examiner, a student may be required to attend and participate in an oral examination.

**Award of Credits**

19.1.34 The relevant Board of Examiners shall award the credits for the classes passed.

**Progress of Students**

19.1.35 Details of any required minimum level of performance to permit a student to progress from Certificate to Diploma and from Diploma to Masters are shown in individual course regulations hereafter.

19.1.36 To proceed to the next year of a course, a full-time student must normally accumulate the minimum number of credits in accordance with the following general framework:

<table>
<thead>
<tr>
<th>Progression</th>
<th>Minimum Number of Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>First – Second Year</td>
<td>90</td>
</tr>
</tbody>
</table>

Individual courses may specify minimum credit numbers greater than those given above in which case these shall be given in the relevant course regulations.

Where a course is available on a part-time basis, progress requirements shall be specified in the relevant course regulations.

Where credits in particular classes are required for progress, these shall be specified in the relevant course regulations.

19.1.37 Candidates for the degree of Master will normally be expected to perform to the satisfaction of the Board of Examiners on the taught components of the course before being permitted to proceed to the project and/or dissertation. Notwithstanding Regulation 19.1.30, a candidate may be subject to a restriction in the number of classes that may be re-assessed.

19.1.38 Subject to prior approval of the Senate, Boards of Study may permit a Board of Examiners to apply compensation procedures according to prescribed criteria. In such cases, the criteria shall be detailed in the Course Handbooks.

19.1.39 The Board of Examiners, acting on behalf of Senate, shall ratify one of the following:

(i) award of the appropriate degree, diploma or certificate with distinction;
(ii) award of the appropriate degree, diploma or certificate with merit;
(iii) award of the appropriate degree, diploma or certificate;
(iv) progress to subsequent stages of the course;
(v) withholding of the award of the degree or other qualification pending further study or submission/resubmission of assignments;
(vi) transfer or termination of registration.

**Transfer of Registration, Suspension and Withdrawal**
19.1.40 Where a candidate 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

(i) require that registration be transferred to Postgraduate Diploma or Postgraduate Certificate course by instruction (as appropriate), subject to a related course being available; or

(ii) suspend a student from attendance at classes but require them to undertake assessments in accord with Regulations 19.1.30 – 19.1.32 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 course; or

(iii) recommend the award of such a Postgraduate Diploma or Postgraduate Certificate (as appropriate); or

(iv) terminate the student’s registration and require the student to withdraw.

19.1.41 On the recommendation of the relevant Course Director (or nominee), the relevant Vice Dean Academic may permit a student to undertake voluntary suspension for the whole or part of an academic year or transfer to part-time study subject to this mode of study being available.

19.1.42 A student may be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulations 5.4 and 5.5.

19.1.43 On the recommendation of the relevant Course Director (or nominee), the Board of Study may approve transfer of a student’s registration between

(i) a Masters degree
(ii) a Postgraduate Diploma;
(iii) a Postgraduate Certificate.
as appropriate, subject to a related course being available.
The Board of Study shall determine what recognition towards the fulfillment of the requirements may be given to the period that the student has completed.

19.1.44 Where a candidate for 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 Course Director or Board of Examiners, may

(i) permit registration to be transferred to Postgraduate Diploma or Postgraduate Certificate course by instruction (as appropriate), subject to a related course being available; or

(ii) recommend the award of such a Postgraduate Diploma or Postgraduate Certificate (as appropriate); or

(iii) terminate the candidate’s registration.

Appeals against Transfer of Registration, Suspension, Termination, Withdrawal or Award Classification

19.1.45 A student who has been required to transfer registration or is suspended from attendance at classes or is required to withdraw under the provisions of Regulation 19.1.39 - 19.1.43 may appeal to the relevant Board of Study for reconsideration of the case.
A student may appeal to the relevant Board of Study for reconsideration of the classification of the award. Such an appeal must be submitted and the outcome of any such appeal must be decided upon before the student’s award is confirmed.

The grounds for appeals under Regulations 19.1.45 and 19.1.46 may be any of the following:

(i) 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

(ii) 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

(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.

Such an appeal shall be lodged in writing with the relevant Faculty Manager 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 the award classification. The appeal shall be supported by appropriate documentary evidence not previously available.

A student has the 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 supported by all appropriate documentary evidence and shall be lodged with the Deputy Secretary within a period of six weeks from the date of notification to the student of the outcome of the preceding appeal to the Board of Study and shall be supported by all the appropriate documentary evidence. The student will have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

Classification of Degrees

A student may be awarded a degree, a degree with merit or a degree with distinction.

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>
<thead>
<tr>
<th>Classification</th>
<th>Composite Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distinction</td>
<td>70 -100</td>
</tr>
<tr>
<td>Merit</td>
<td>60 – 69</td>
</tr>
<tr>
<td>Award</td>
<td>50 – 59</td>
</tr>
</tbody>
</table>

A candidate who satisfies the conditions of the Ordinances governing the award of degrees, diplomas and certificates and of the general and course regulations will, on payment of the required fees, be entitled to receive the appropriate award. To qualify for the award, a candidate must have obtained passes in classes at all levels of the curriculum as specified in the course regulations. The candidate will receive a parchment setting forth the course of study in which the award has been granted and, if appropriate, the classification in which the candidate has been placed.
19.1.51 A candidate on a course that has multiple exit points (e.g. Postgraduate Certificate, Postgraduate Diploma and degree of Master) may only retain one of the possible awards.

19.1.52 Notwithstanding the provision of 19.1.50 where such a course 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 courses governed by distinct course regulations.

19.2 to 19.11 (Numbers not used.)
Faculty of Science

19.12 Department of Chemistry, Pure and Applied

Forensic Science

MSc in Forensic Science
Postgraduate Diploma in Forensic Science
Postgraduate Certificate in Forensic Science

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.12.1 Notwithstanding Regulation 19.1.1, applicants shall
(i) possess a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
(ii) possess a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to (i) above; or
(iii) be deemed, by the Course Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above. In addition, applicants applying in terms of (iii) above should possess appropriate formal education in Chemistry.

Duration of Study
19.12.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of study
19.12.3 The courses are available by full-time study only.

Place of Study
19.12.4 In accordance with Regulation 19.1.8, some off-campus work may be required.

Curriculum
19.12.5 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS 986</td>
<td>Professional and Career Skills</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>FS 934</td>
<td>Essentials of Forensic Science 2*</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>FS 905</td>
<td>Essentials of Forensic Science: Practical*</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>FS 906</td>
<td>Practical Crime Scene and Court Exercise</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS 935</td>
<td>Forensic Biology 1*</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

No fewer than 50 credits chosen from:
FS 936 Forensic Biology 2* 5 20
FS 937 Forensic Chemistry 1* 5 10
FS 938 Forensic Chemistry 2* 5 20
FS 910 Practical Examination in Optional Class* 5 20

Students for the degree of MSc only:
99 900 Dissertation 5 60

Examination, Progress and Final Assessment

19.12.7 The final assessment will be based on performance in the examinations and coursework together with the dissertation where undertaken.

Award

19.12.8 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.
19.12.9 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 course curriculum.
19.12.10 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 course curriculum including at least 30 credits from a theory component.

Forensic Science Studies

MSc in Forensic Science Studies
Postgraduate Diploma in Forensic Science Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.12.21 Notwithstanding Regulation 19.1.1, applicants shall
(i) possess a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
(ii) possess a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to (i) above; or
(iii) be deemed, by the Course Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above. In addition, applicants applying in terms of (iii) above should possess appropriate formal education in Chemistry.

Duration of Study

19.12.22 Regulations 19.1.5 and 19.1.6 shall apply.
Mode of study
19.12.23 The courses are available by part-time study only.

Curriculum
19.12.24 All students shall undertake an approved curriculum as follows:

for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

In accordance with Regulation 19.1.4 and at the discretion of the Course Director, exemption from part of the course may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

Compulsory Classes

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 908</td>
<td>Basic Forensic Science</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 60 credits from:

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 905</td>
<td>Forensic Molecular Biology</td>
</tr>
<tr>
<td>99 906</td>
<td>Forensic Analytical Chemistry</td>
</tr>
<tr>
<td>99 907</td>
<td>Specialist Topics</td>
</tr>
</tbody>
</table>

Such other classes as may be approved by the Course Director

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 900</td>
<td>Dissertation</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.12.26 Candidates for the degree of MSc will normally be expected to perform satisfactorily on the taught components of the course and in the dissertation before being permitted to proceed to the final oral and practical examinations.
19.12.27 The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.

Award

19.12.28 Degree of MSc: In order to qualify for the award of the degree of MSc in Forensic Science Studies, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation and have satisfied the Board of Examiners in respect of the final oral and practical examinations.
19.12.29 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Forensic Science Studies, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.12.30 (Number not used)

Forensic Science (Distance Learning)

MSc in Forensic Science (Distance Learning)
Postgraduate Diploma in Forensic Science (Distance Learning)
Postgraduate Certificate in Principles of Forensic Science
Postgraduate Certificate in Specialist Aspects of Forensic Science
Postgraduate Certificate in Forensic Science Research

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.12.31 Normally students are, in the first instance, admitted to any one of the Postgraduate Certificates. On successful completion of this Postgraduate Certificate, students are eligible to transfer to the Postgraduate Diploma in Forensic Science (Distance Learning) which must include the Postgraduate Certificate in Principles of Forensic Science. On successful completion of the Postgraduate Diploma in Forensic Science (Distance Learning), students are eligible to transfer to the degree of MSc in Forensic Science (Distance Learning).

19.12.32 Notwithstanding Regulation 19.1.1, applicants shall normally
(i) possess a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
(ii) possess a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to (i) above; or
(iii) be deemed, by the Course Director acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of competence in the English language.

19.12.31 Duration of Study
Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study

19.12.32 The courses are available by part-time study only.

Place of Study

19.12.33 The courses are delivered off-campus via distance learning arrangements except for FS 975 Laboratory Based Experiments which will be delivered on-campus.

Curriculum
Structure

19.12.34 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate in Principles of Forensic Science – 60 credits

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS 933</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>FS 934</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>FS 972</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>FS 973</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

Essentials of Forensic Science 1
Essentials of Forensic Science 2
Essentials of Forensic Science: Computer Based Experiments
Case Investigation Exercise
FS 974  Fingerprint  s  5  10

for the Postgraduate Certificate in Specialist Aspects of Forensic Science – 60 credits

Compulsory Classes
FS 979  Computer Based Experiments  5  10
FS 975  Laboratory Based Experiments  5  10
FS 976  Research Methods I  5  10

Optional Classes
Either
FS 935  Forensic Biology 1  5  10
FS 936  Forensic Biology 2  5  20
Or
FS 937  Forensic Chemistry 1  5  10
FS 938  Forensic Chemistry 2  5  20

for the Postgraduate Certificate in Forensic Science Research – 60 credits

Compulsory Classes
FS 977  Research Project (including Research Methods 2)  5  60

for the Postgraduate Diploma in Forensic Science (Distance Learning) – 120 credits from the successful completion of the Certificate in Principles of Forensic Science and one of the two other Certificates above.

for the degree of MSc in Forensic Science (Distance Learning) – 180 credits from the successful completion of all three of the Certificates above.

Students who intend to pursue the Postgraduate Diploma or Masters Degree in Forensic Science (Distance Learning) and who have appropriate experience or training on entry to the programme may be considered for the award of up to 60 credits as Recognised Prior Learning.

Examination, Progress and Final Assessment

19.12.36 Candidates must successfully complete each Postgraduate Certificate examination before admission to the next chosen course.
19.12.37 The final assessment will be based upon performance in the examinations, coursework and project where undertaken and, if required, in an oral examination.

Award

19.12.38 Degree of MSc: In order to qualify for the degree of MSc in Forensic Science (Distance Learning), a candidate must have accumulated 180 credits from the course curriculum of which 60 must have been awarded in respect of the Project.
19.12.39 Postgraduate Diploma: In order to qualify for the award of a Postgraduate Diploma in Forensic Science (Distance Learning), a candidate must have accumulated 120 credits by completing the Principles of Forensic Science
pathway in addition to one of the other two Postgraduate Certificates described above.

19.12.40 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in the chosen course, a candidate must have accumulated 60 credits from the course curriculum.

19.12.41 to 19.12.65 (numbers not used)

Pure and Applied Chemistry

Medicinal Chemistry

MSc in Medicinal Chemistry
Postgraduate Diploma in Medicinal Chemistry
Postgraduate Certificate in Medicinal Chemistry

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.12.66 Regulation 19.1.1 shall apply subject to the following requirement. Applicants shall
(i) possess a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate Science); or
(ii) possess a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to (i) above; or
(iii) be deemed, by the Course Director acting on behalf of Senate, to have achieved an academic standard 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

19.12.67 Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study

19.12.68 The courses are available by full-time and part-time study.

Curriculum

19.12.69 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a Research Project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 909 Advanced Organic Chemistry</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CH 910 Chemical Biology</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
CH 911 Principals of Modern Medicinal Chemistry 5 20
BM 907 Advanced Biochemical Methods 5 20
MP 921 Chromatographic and Bioanalytical Methods 5 20
MP 931 Generic Research Skills 5 20

In addition, students for the degree of MSc only:
CH 908 Research Project 5 60

Examination, Progress and Final Assessment
19.12.70 Regulations 19.1.25 to 19.1.33 shall apply.
The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

Award
19.12.71 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Medicinal Chemistry, a candidate must normally have accumulated no fewer than 180 credits from the course curriculum, of which 60 must have been awarded in respect of the research project and dissertation.
19.12.72 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Medicinal Chemistry, a candidate must normally have accumulated no fewer than 120 credits from the classes of the course curriculum.
19.12.73 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Medicinal Chemistry, a candidate must normally have accumulated no fewer than 60 credits from the taught classes of the course curriculum.

19.12.74 to
19.12.99 (numbers not used)
19.13 Department of Computer and Information Sciences
(See also Regulation 19.30)

Information and Library Studies

MSc in Information and Library Studies
Postgraduate Diploma in Information and Library Studies
Postgraduate Certificate in Information and Library Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.13.1 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.13.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.13.3 The courses are available by full-time study only.

Curriculum
19.13.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 954</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 955</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CS 957</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CS 959</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 960</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 961</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 962</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 958</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.13.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.13.6 The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

Award
19.13.7 Degree of MSc: In order to qualify for the award of the degree of MSc in Information and Library Studies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project.
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 classes of the course.

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 classes of the course.

(Numbers not used)

Information Management

MSc in Information Management
Postgraduate Diploma in Information Management
Postgraduate Certificate in Information Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission
19.13.25 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.13.26 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.13.27 The courses are available by full-time study only.

Curriculum
19.13.28 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 951</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 952</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 954</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 955</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CS 956</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 957</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CS 961</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 958</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken and, if required, in an oral examination.

**Award**

19.13.31 **Degree of MSc:** 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.

19.13.32 **Postgraduate Diploma:** 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 classes of the course.

19.13.33 **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 classes of the course.

19.13.34 to 19.13.90 (Numbers not used)

### Advanced Computer Science

- **MSc in Advanced Computer Science**
- **MSc in Advanced Software Engineering**
- **MSc in Enterprise Information Systems**
- **MSc in Mobile Computing**

**Postgraduate Diploma in Advanced Computer Science**

**Postgraduate Certificate in Advanced Computer Science**

### Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

#### Admission

19.13.91 Regulation 19.1.1 shall apply subject to the following requirements. Applicants shall possess

(i) a first or second class Honours degree from a United Kingdom university (in Computer Science or a closely related subject); or

(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.

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

19.13.92 Regulations 19.1.5 and 19.1.6 shall apply.

#### Mode of Study

19.13.93 The course is available by full-time study only.

#### Curriculum

19.13.94 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

43
## Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 957</td>
<td>Research Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CS 969</td>
<td>Personal Study</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Together with classes appropriate to the chosen course:

### Advanced Computer Science

#### Optional Classes

No fewer than 100 credits of which no more than 20 may be from level 4 chosen from the classes listed in this Regulation.

### Advanced Software Engineering

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 547</td>
<td>Advanced Topics in Software Engineering</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 548</td>
<td>Designing Usable Systems</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 549</td>
<td>Distributed Information Systems</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 551</td>
<td>Mobile Software Applications</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 409</td>
<td>Software Architecture and Design</td>
<td>4</td>
<td>20</td>
</tr>
</tbody>
</table>

### Enterprise Information Systems

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 549</td>
<td>Distributed Information Systems</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 951</td>
<td>Information Systems Architecture</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 954</td>
<td>Information Retrieval and Access</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 956</td>
<td>Business Analytics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 965</td>
<td>Computer Security</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

### Mobile Computing

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 548</td>
<td>Designing Usable Systems</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 549</td>
<td>Distributed Information Systems</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 551</td>
<td>Mobile Software and Applications</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 965</td>
<td>Computer Security</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 413</td>
<td>Embedded Systems</td>
<td>4</td>
<td>20</td>
</tr>
</tbody>
</table>

Such other Level 5 classes as may be approved by the Course Director.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 958</td>
<td>Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

## Examination, Progress and Final Assessment

19.13.95 Regulations 19.1.25 – 19.1.33 shall apply.
19.13.96 The final assessment will be based on performance in the examinations, coursework and the project, where undertaken.

## Award

19.13.97 **Degree of MSc**: In order to qualify for the award of MSc in the chosen course, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the Project.

19.13.98 **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Advanced Computer Science, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.13.99 **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Advanced Computer Science, a candidate must
have accumulated no fewer than 60 credits from the taught classes of the course.


19.15  Department of Mathematics and Statistics

Mathematics and Statistics

MSc in Mathematical Sciences
Postgraduate Diploma in Mathematical Sciences
Postgraduate Certificate in Mathematical Sciences

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.15.1 Regulation 19.1.1 shall apply subject to the following requirements. Applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in Mathematics or a closely related subject); or
(ii) a qualification deemed by the Course 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.

Mode of Study
19.15.2 The courses are available by full-time and part-time study.

Curriculum
19.15.3 All students shall undertake an approved curriculum as follows

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project.

Optional Classes

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fewer than 60 credits chosen from List A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>List A*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MM 552   Applied Analysis and PDEs 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 554   Applied Mathematics Methods 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 556   Mathematical Models 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 558   Pure Analysis 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 560   Statistics 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 562   Probability 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>List B*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MM 553   Applied Analysis and PDEs 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 555   Applied Mathematics Methods 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 557   Mathematical Models 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 559   Pure Analysis 2</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>
MM 561  Statistics 2  5  15
MM 563  Probability 2  5  15

* Such other Level 5 classes chosen from Regulations 16.15.8 as may be approved by the Course.

Students for the degree of Postgraduate Diploma and MSc only in addition shall undertake a further 60 credits chosen from the lists above of which at least 45 credits shall be chosen from List B.

Students for the degree of MSc only:
MM 550  MSc Project  5  60

Examination, Progress and Final Assessment
19.15.4 Regulations 19.1.25 – 19.1.33 shall apply.
19.15.5 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

Award
19.15.6 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 course curriculum, of which 60 must have been awarded in respect of the Project.
19.15.7 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 classes of the course.
19.15.8 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 classes of the course.

Transfer
19.15.9 A candidate who has performed in the taught classes at the level specified for the degree of MRes in Mathematical Sciences may be considered for transfer to the MRes, subject to the approval of the Board of Study, acting on behalf of Senate, and on the recommendation of the Course Director.

MSc in Quantitative Finance
Postgraduate Diploma in Quantitative Finance
Postgraduate Certificate in Quantitative Finance

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.15.10 Regulations 19.1.1 and 19.1.2 shall apply

Duration of Study
19.15.11 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
The courses are available by full-time or part-time study.

**Curriculum**

All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including three research reports or a dissertation

**Compulsory Classes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 910</td>
<td>Principles of Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG 912</td>
<td>International Financial Markets and Banking</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MM 907</td>
<td>Foundations of Mathematical and Statistical Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CS 970</td>
<td>Foundations of Computer Science</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

**Optional Classes**

60 credits with students choosing 20 credits of classes in each of Lists A, B and C.

- **List A**
  - AG 916 Behavioural Finance 5 10
  - AG 918 Security Analysis 5 10
  - AG 924 Portfolio Theory and Management 5 10
  - AG 925 Derivatives and Treasury Management 5 20

- **List B**
  - MM 906 Games and Networks in Finance 5 10
  - MM 905 Financial Econometrics 5 10
  - MM 904 Financial Stochastic Processes 5 10

- **List C**
  - CS 971 Evolutionary Computation For Finance 5 20
  - CS 952 Database and Web Systems Development 5 20
  - CS 956 Business Analytics 5 20

With the approval of the Course Director, students may substitute other Level 5 classes offered by the University for one or more of the optional classes listed above.

Students for the degree of MSc only:

- Either
  - MM 908 Research Project 5 40
- or
  - **MM 9ee** Dissertation 5 40

**Examination, Progress and Final Assessment**
19.15.14 Regulations 19.1.25 – 19.1.33 shall apply.
19.15.15 The final assessment will be based on performance in the examinations, coursework and the dissertation or research projects where undertaken.

**Award**

19.15.16 **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 projects.

19.15.17 **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 classes of the course.

19.15.18 **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 classes of the course.
Advanced Physics

Msc in Advanced Physics
Postgraduate Diploma in Advanced Physics
Postgraduate Certificate in Advanced Physics

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]
[Note: the Postgraduate Diploma in Advanced Physics is not currently offered]

Admission
19.17.10 Regulation 19.1.1 shall apply subject to the following requirements. Applicants shall possess
(i) a degree (or, in the case of direct entry to the degree of MSc, a first or
second class Honours degree) from a United Kingdom university (in
an appropriate discipline); or
(ii) a qualification deemed by the Course 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.

Mode of Study
19.17.11 The course is available by full-time and part-time study.

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

Compulsory Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 950</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 951</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No Fewer than 80 credits chosen from Regulations 12.17.11 and 19.17.54

Students for the degree of Msc:

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 952</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.17.13 Regulations 19.1.19 shall apply.
The final assessment will be based on performance in the examinations, coursework, the project and, if required, in an oral examination.

**Award**

**Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Physics, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH 952.

**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 classes of the course.

**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 classes of the course.

High Power RF Science and Engineering

**MSc in High Power RF Science and Engineering**
**Postgraduate Diploma in High Power RF Science and Engineering**
**Postgraduate Certificate in High Power RF Science and Engineering**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

Notwithstanding Regulation 19.1.1, applicants shall possess either

(i) a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or

(ii) a qualification deemed by the Course Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.

Applicants may be required to submit to an interview.

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

**Place of Study**

Some individual research projects may require off-campus work.

**Mode of Study**

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

**Curriculum**

All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Classes*</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 951</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 970</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
PH 971  HPRF Physical Processes and Material Science  5  20
PH 972  HPRF Passive Devices  5  20
PH 973  HPRF Active Devices  5  20
PH 974  Professional Skills  5  20

* Subject to the approval of the Course Director, students may substitute a maximum of 20 credits with other Level 5 postgraduate classes.

Students for the degree of MSc:
PH 952  Project  5  60

Examination, Progress and Final Assessment

19.17.35 Regulations 19.1.25 – 19.1.33 shall apply.
19.17.36 The final assessment will be based on performance in the examinations, coursework, the project and, if required, in an oral examination.

Award

19.17.37 **Degree of MSc**: In order to qualify for the award of the degree of MSc in High Power RF Science and Engineering, a candidate must have accumulated no fewer than 180 credits of which 90 must have been awarded in respect of the project PH 952.
19.17.38 **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in High Power RF Science and Engineering, a candidate must have accumulated no fewer than 120 credits from the classes of the course.
19.17.39 **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in High Power RF Science and Engineering, a candidate must have accumulated no fewer than 60 credits from the classes of the course.
19.17.40 (Number not used)

Nanoscience

**MSc in Nanoscience**
**Postgraduate Diploma in Nanoscience**
**Postgraduate Certificate in Nanoscience**

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.17.41 Notwithstanding Regulation 19.1.1, applicants shall possess either
(i) a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
(ii) a qualification deemed by the Course Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.
Applicants may be required to attend an interview.

Place of Study
Some individual research projects may require off-campus work.

Mode of Study

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

Curriculum

All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Compulsory Classes*</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 950 Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 953 Introductory Nanoscience</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 955 Advanced Nanoscience 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 956 Advanced Nanoscience 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 957 Advanced Nanoscience 3</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>either</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 954 Physics Conversion Course</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CH 906 Chemistry Conversion Course</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

* Subject to the approval of the Course Director, students may substitute a maximum of two Level 5 classes with other Level 5 classes.

Students for the degree of MSc only:

| PH 952 Project | 5 | 60 |

Examination, Progress and Final Assessment

Regulations 19.1.25 – 19.1.33 shall apply.

The final assessment will be based on performance in the examinations, coursework, the project and, if required, in an oral examination.

Award

Degree of MSc: In order to qualify for the award of the degree of MSc in Nanoscience, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project.

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 classes of the course.

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 classes of the course.

Optical Technologies

MSc in Optical Technologies
Postgraduate Diploma in Optical Technologies
Postgraduate Certificate in Optical Technologies
Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.17.51 Notwithstanding Regulation 19.1.1, applicants shall possess either
(i) a degree (or, in the case of direct entry to the degree of MSc, a first or
second class Honours degree) from a United Kingdom University (in
an appropriate discipline); or
(ii) a qualification deemed by the Course Director (or nominees) acting on
behalf of Senate to be equivalent to (i) above. This may include a
requirement for appropriate industrial experience.

Applicants may be required to attend an interview.

Place of Study

19.17.52 Some individual research projects may require off-campus work.

Mode of Study

19.17.53 The courses are available by full-time and part-time study.

Curriculum

19.17.54 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

Compulsory Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 950</td>
<td>Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 951</td>
<td>Project Training</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 80 credits chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 953</td>
<td>Introductory Nanoscience</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 955</td>
<td>Advanced Nanoscience 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 957</td>
<td>Topics in Photonics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 958</td>
<td>Optical Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 959</td>
<td>Experimental Quantum and Atom Optics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 960</td>
<td>Advanced Topics in Photonics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 961</td>
<td>Device Microfabrication-Principle and Practice</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 962</td>
<td>Photonic materials and devices</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 963</td>
<td>Advanced Photonic Devices and Applications</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 964</td>
<td>Theoretical Quantum Information</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 965</td>
<td>Quantum Optics, Nonlinearity and Open Quantum Systems</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 473</td>
<td>Photonic Systems</td>
<td>4</td>
<td>20</td>
</tr>
</tbody>
</table>

Such other Level 5 classes as may be approved by the Adviser of Study.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 952</td>
<td>Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.17.56 The final assessment will be based on performance in the examinations, coursework, the project and, if required, in an oral examination.

Award

19.17.57 **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.

19.17.58 **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 course.

19.17.59 **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 course.

19.17.60 (Number not used)
Photonics and Device Microfabrication

MSc in Photonics and Device Microfabrication
Postgraduate Diploma in Photonics and Device Microfabrication
Postgraduate Certificate in Photonics and Device Microfabrication

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.17.61 Notwithstanding Regulation 19.1.1, applicants shall possess either
(i) a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
(ii) a qualification deemed by the Course Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.
Applicants may be required to attend an interview.

Place of Study
19.17.62 Some individual research projects may require off-campus work.

Mode of Study
19.17.63 The courses are available by full-time and part-time study.

Curriculum
19.17.64 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>For the Postgraduate Certificate</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fewer than 60 credits</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For the Postgraduate Diploma</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fewer than 120 credits</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For the degree of MSc</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fewer than 180 credits including a project</td>
<td></td>
</tr>
</tbody>
</table>

Compulsory Classes*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 950</td>
<td>Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 951</td>
<td>Project Training</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 957</td>
<td>Topics in Photonics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 961</td>
<td>Device Microfabrication-Principle and Practice</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 962</td>
<td>Photonic Materials and Devices</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 963</td>
<td>Advanced Photonic Devices and Applications</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

*Subject to the approval of the Course Director, students may substitute a maximum of two Level 5 classes with other Level 5 classes.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 952</td>
<td>Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.17.65 Regulations 19.1.25 – 19.1.33 shall apply.
19.17.66 The final assessment will be based on performance in the examinations, coursework, the project and, if required, in an oral examination.
Award

Degree of MSc: In order to qualify for the award of the degree of MSc in Photonics and Device Microfabrication, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project.

Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Photonics and Device Microfabrication, a candidate must have accumulated no fewer than 120 credits from the classes of the course.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Photonics and Device Microfabrication, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

Quantum Information and Coherence

MSc in Quantum Information and Coherence
Postgraduate Diploma in Quantum Information and Coherence
Postgraduate Certificate in Quantum Information and Coherence

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

Notwithstanding Regulation 19.1.1, applicants shall possess either

(i) a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or

(ii) a qualification deemed by the Course Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.

Applicants may be required to attend an interview.

Place of Study

Some individual research projects may require off-campus work.

Mode of Study

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

Curriculum

All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

Compulsory Classes*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 950</td>
<td>Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 951</td>
<td>Project Training</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 959</td>
<td>Experimental Quantum and Atom Optics</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
PH 964  Theoretical Quantum Information  5  20
PH 965  Quantum Optics, Nonlinearity and Open Quantum Systems  5  20

Optional Classes
No fewer than 20 credits chosen from
PH 953  Introductory Nanoscience  5  20
PH 954  Advanced Nanoscience 1  5  20
PH 957  Topics in Photonics  5  20
PH 958  Optical Design  5  20
PH 960  Advanced Topics in Photonics  5  20
Such other classes Level 5 as may be approved by the Course Director.

*Subject to the approval of the Course Director, students may substitute a maximum of two Level 5 classes with other Level 5 classes.

For MSc Candidates only
PH 952  Project  5  60

Examination, Progress and Final Assessment

19.17.75 Regulations 19.1.25 – 19.1.33 shall apply.
19.17.76 The final assessment will be based on performance in the examinations, coursework, the project and, if required, in an oral examination.

Award

19.17.77 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.
19.17.78 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 classes of the course.
19.17.79 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 classes of the course.
Applications of Next Generation Accelerators

MSc in Applications of Next Generation Accelerators
Postgraduate Diploma in Applications of Next Generation Accelerators
Postgraduate Certificate in Applications of Next Generation Accelerators

Course Regulations
[These regulations are to be read in conjunction with Regulation 19 and 19.1]

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 classes offered by the external partners have been through the appropriate QAA processes

Admission
19.17.80 Students will normally have been admitted in the first instance to the degree of PhD in Applications of Next Generation Accelerators.

Duration of Study
19.17.81 Regulations 19.1.5 and 19.1.6 shall apply.

Nature of Study
19.17.82 The course is available by full-time study only.

Curriculum
19.17.83 All students shall undertake an approved curriculum of at least 180 comprising classes offered by Strathclyde and the partner institutions as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 980 Group Project</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>PH 981 Individual Project</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>PH 983 Accelerators</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

Offered by Huddersfield, Queen’s University Belfast and Surrey
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 Classes
No fewer than 15 credits chosen from the classes offered by members of the Centre for Doctoral Training:

**Strathclyde**
- PH 984 Plasma Physics A 5 5
- PH 985 Laser Driven Plasma Accelerators 5 5

**Scottish Universities Physics Alliance**
- Mathematical Modelling 5
- Nuclear Instrumentation 5
- Discussion Classes 5

**Surrey**
- Computers in Medicine and Safety Issues 15
- Applications of Ionising Radiation 15

**Queen's University Belfast**
- Plasma Physics B 20
- Physics and Medicine 20
- Medical Physics and Applications 20

**Examination, Progress and Final Assessment**

19.17.84 Regulations 19.1.19, 19.1.20 and 19.1.27 shall apply.

19.17.85 The final assessment will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

**Award**

19.17.86 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Applications of Next Generation Accelerators, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits.

19.17.87 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applications of Next Generation Accelerators, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

19.17.88 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applications of Next Generation Accelerators, a candidate must have accumulated no fewer than 60 credits from the course curriculum.

19.17.89 to 19.17.110 (Numbers not used)

**Applied Physics**

**MSc Applied Physics**
**Postgraduate Diploma in Applied Physics**
**Postgraduate Certificate in Applied Physics**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1]
[Note: the Postgraduate Diploma in Applied Physics is not currently offered]
Admission

19.17.111 Regulation 19.1.1 shall apply subject to the following requirements. Applicants shall possess
(i) a degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
(ii) a qualification deemed by the Course 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.

Mode of Study

19.17.112 The course is available by full-time and part-time study.

Curriculum

19.17.113 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 950 Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 951 Project Training</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 80 credits chosen from Regulations 12.17.11 and 19.17.54

Students for the degree of MSc:

PH 952 Project 5 60

Examination, Progress and Final Assessment

19.17.115 The final assessment will be based on performance in the first attempt examinations, coursework and the project

Award

19.17.116 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 PH 952.
19.17.117 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 classes of the course.
19.17.118 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 classes of the course.

19.17.119 to 19.17.200 (Numbers not used)
Analysis of Medicines

MSc in the Analysis of Medicines
Postgraduate Diploma in the Analysis of Medicines
Postgraduate Certificate in the Analysis of Medicines

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.22.1 Regulation 19.1.1 shall apply.

Duration of Study

19.22.2 Regulation 19.1.5 shall apply.

Notwithstanding regulation 19.1.6, the maximum period of study shall be

For part-time study
Masters by part-time study 48 months elapsed time
PG Diploma by part-time study 36 months elapsed time
PG Certificate by part-time study 24 months elapsed time

Nature and Mode of Study

19.22.3 The courses are available by part time distance learning only.

Curriculum

19.22.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma and degree of MSc – no fewer than 120 credits

In accordance with Regulation 19.1.4 and at the discretion of the Course Director, exemption from part of the course may be granted to students submitting evidence of appropriate academic attainment of Recognized Prior Learning. The total value of exemption shall not normally exceed 20 credits for the Postgraduate Certificate or 40 credits for the Postgraduate Diploma and MSc.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 983</td>
<td>Chemical and Spectrophotometric Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 984</td>
<td>Introduction to Separation Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 985</td>
<td>Structure Elucidation Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 986</td>
<td>Advanced Separation Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 999</td>
<td>Validation, quality management and control</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 987</td>
<td>Bioanalytical Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

In addition, students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 922</td>
<td>Research Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

19.22.5 Regulations 19.1.25 to 19.1.34 shall apply.
19.22.6 Progression will be based on satisfactory completion of coursework. The final assessment will be based on performance in the examinations, coursework, and the project where undertaken.

Award

19.22.7 Degree of MSc: In order to qualify for the award of the degree of MSc in the Analysis of Medicines, a candidate must have accumulated no fewer than 180 credits from the course curriculum, of which 60 must have been awarded in respect of the research project and dissertation.

19.22.8 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in the Analysis of Medicines, a candidate must have accumulated no fewer than 120 credits from the classes of the course curriculum.

19.22.9 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in the Analysis of Medicines, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course curriculum.

19.22.10 (Numbers not used)
Clinical Pharmacy

MSc in Clinical Pharmacy
Postgraduate Diploma in Clinical Pharmacy
Postgraduate Certificate in Clinical Pharmacy

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.22.21 Regulation 19.1.1 shall apply subject to the following requirements. Applicants shall possess
(i) a degree in pharmacy from a United Kingdom university or
(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
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
19.22.22 Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study
19.22.23 The courses are available by full-time and part-time study.

Curriculum
19.22.24 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 923</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 924</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 925</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 926</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 927</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 928</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:
MP 929 Research Project 5 60

Students who have appropriate experience or training on entry to the programme may be considered for the award of the credits for the classes MP 923 Clinical Induction and/or MP 924 Clinical Assignment 1 as Recognised Prior Learning.

Examination, Progress and Final Assessment
The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

**Award**

19.22.27 **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 MP 929 Research Project.

19.22.28 **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 classes of the course.

19.22.29 **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 classes of the course. Notwithstanding Regulation 19.1.11, a student who has been granted exemption through credit transfer or RPL must gain two-thirds of the overall credit requirement for the award of the Postgraduate Certificate.

19.22.30 to 19.22.60 (Numbers not used)

**Pharmaceutical Analysis**

**MSc in Pharmaceutical Analysis**  
**Postgraduate Diploma in Pharmaceutical Analysis**  
**Postgraduate Certificate in Pharmaceutical Analysis**

**Course Regulations**  
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.22.61 Regulation 19.1.1 shall apply subject to the following requirement. Applicants shall

(i) possess a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university (in an appropriate Science); or

(ii) possess a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to (i) above; or

(iii) be deemed, by the Course Director acting on behalf of Senate, to have achieved an academic standard 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**

19.22.62 Regulation 19.1.6 shall apply. Notwithstanding Regulation 19.1.5, the minimum duration of study for both the degree of MSc, the Postgraduate Diploma and the Postgraduate Certificate shall be 12 months.

**Mode of Study**

19.22.63 The courses are available by full-time study only.
**Curriculum**

19.22.64 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 916 Spectrophotometric and Spectroscopic Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 917 Chromatography: Principles, Application and Method Development</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 918 Chemical and Spectroscopic Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 919 Bioanalysis, Biotechnology and Quality Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 920 Chemical and Statistical Analysis: Principles and Application</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 921 Chromatographic and Bioanalytical Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only

MP 922 Pharmaceutical Analysis: Project 5 60

**Examination, Progress and Final Assessment**

19.22.65 Regulations 19.1.25 – 19.1.33 shall apply.

19.22.66 The final assessment will be based on performance in the examinations, coursework and the project report or dissertation as appropriate.

**Award**

19.22.67 **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 dissertation.

19.22.68 **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 classes listed in Regulation 19.11.64.

19.22.69 **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 classes listed in Regulation 19.22.64.

**Transfer**

19.22.70 Regulation 19.1.33 shall apply. In addition, students registered for the Postgraduate Diploma who wish to transfer to the MSc course may be required to demonstrate an acceptable level of performance on the course and to meet prescribed criteria to the satisfaction of the Board of Examiners.

19.22.71 to 19.22.80 (Numbers not used)
Pharmaceutical Quality and Good Manufacturing Practice

MSc 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

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.22.81 Regulations 19.1.1 and 19.1.2 shall apply. In addition relevant industrial experience will be taken into account. Applicants will normally be registered initially for the Postgraduate Diploma.

Exemption by Recognised Prior Learning (RPL) from MP971 Pharmaceutical Quality and Good Manufacturing Practice (Part 1A) and PG972 Pharmaceutical Quality and Good Manufacturing Practice (Part 2A) is permitted for those students who have successfully completed six or twelve David Begg Associates modules.

Duration of Study
19.22.82 Regulations 19.1.5 and 19.1.6 shall apply.

The minimum duration of study for those students admitted with Recognised Prior Learning (RPL) from David Begg Associates will be reduced accordingly by agreement of the Board of Study.

Place of Study
19.22.83 In accordance with Regulation 19.1.8, some off-campus work may be required.

Mode of Study
19.22.84 The courses are available by part-time study only.

Curriculum
19.22.85 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 971</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>MP 973</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc and Postgraduate Diploma in addition shall undertake

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 972</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

19.22.86 Regulations 19.1.25 – 19.1.33 shall apply.
19.22.87 Notwithstanding Regulation 19.1.20, a candidate who fails to satisfy the Board of Examiners in respect of any aspect of assessment of a class 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 class.
19.22.88 The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

Award

19.22.89 **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.
19.22.90 **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 classes of the course.
19.22.91 **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 classes of the course.

19.22.92 to 19.22.100 (Numbers not used)
Biomedical Sciences

MSc in Biomedical Sciences
Postgraduate Diploma in Biomedical Sciences
Postgraduate Certificate in Biomedical Sciences

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.22.101 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.22.102 Regulations 19.1.5 shall apply.

Notwithstanding regulation 19.1.6 the maximum period of study shall be as follows:

For full-time study
Masters by full-time study 24 months
PG Diploma by full-time study 18 months
PG Certificate by full-time study 12 months

For part-time study
Masters by part-time study 48 months elapsed time
PG Diploma by part-time study 36 months elapsed time
PG Certificate by part-time study 24 months elapsed time

Mode of Study
19.22.103 The course is available by full-time and part-time study.

Curriculum
19.22.104 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

Compulsory Classes
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 931</td>
<td>Generic Biomedical And Pharmaceutical Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM 903</td>
<td>Practice and Application of Biomedical Sciences</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
Students for the Postgraduate Certificate in Biomedical Sciences shall undertake, in addition, no fewer than 20 credits from either List A or List B.

Students for the degree of MSc and Postgraduate Diploma in Biomedical Sciences shall undertake, in addition, no fewer than 40 credits from List A and at least 40 credits from List B.
List A

BM 907  Advanced Biomedical Methods 1  5  20
BM 914  Advanced Biomedical Methods 2  5  20

List B

BM 904  Advanced Biomedical Topics 1  5  20
BM 905  Advanced Biomedical Topics 2  5  20

Students for the degree of MSc only

BM 906  Biomedical Sciences Project  5  60

Examination, Progress and Final Assessment

19.22.106 The final assessment will be based on performance in the written examinations, the coursework, and, if required, an oral examination.

Award

19.22.107 Degree of MSc: In order to qualify for the award of the degree of MSc in Biomedical Sciences, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project.
19.22.108 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Biomedical Sciences, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.22.109 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Biomedical Sciences, a candidate must have accumulated no fewer than 60 credits.

19.22.110 to 19.22.120 (Numbers not used)
Biotechnology

MSc in Biotechnology
Postgraduate Diploma in Biotechnology
Postgraduate Certificate in Biotechnology

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.22.121 Regulations 19.1.1 and 19.1.2 shall apply

Duration of Study
19. 22.122 Regulations 19.1.5 shall apply.

Notwithstanding regulation 19.1.6 the maximum period of study shall be as follows:

For full-time study
Masters by full-time study 24 months
PG Diploma by full-time study 18 months
PG Certificate by full-time study 12 months

For part-time study
Masters by part-time study 48 months elapsed time
PG Diploma by part-time study 36 months elapsed time
PG Certificate by part-time study 24 months elapsed time

Mode of Study
19. 22.123 The course is available by full-time and part-time study.

Curriculum
19. 22.124 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 931</td>
<td>Generic Biomedical And Pharmaceutical Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM917</td>
<td>Microbes, proteins and enzymes</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM908</td>
<td>Laboratory Methods in Biotechnology</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM909</td>
<td>Applications and commercialization in Biotechnology</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM910</td>
<td>Fermentation and Microbial Exploitation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM911</td>
<td>Molecular Biology, Bioinformatics and Genomics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM 912</td>
<td>Biocatalysis and Bioprocessing</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only
Examination, Progress and Final Assessment

19.22.126 The final assessment will be based on performance in the written examinations, the coursework, and, if required, an oral examination.

Award

19.22.127 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Biotechnology, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project.
19.22.128 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Biotechnology, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.22.129 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Biotechnology, a candidate must have accumulated no fewer than 60 credits.

Pharmaceutical Sciences

**MSc in Pharmaceutical Sciences**
**Postgraduate Diploma in Pharmaceutical Sciences**
**Postgraduate Certificate in Pharmaceutical Sciences**

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.22.131 Regulations 19.1.1 and 19.1.2 shall apply

Duration of Study

19.22.132 Regulations 19.1.5 shall apply.

Notwithstanding regulation 19.1.6 the maximum period of study shall be as follows:

*For full-time study*
Masters by full-time study 24 months
PG Diploma by full-time study 18 months
PG Certificate by full-time study 12 months

*For part-time study*
Masters by part-time study 48 months elapsed time
PG Diploma by part-time study 36 months elapsed time
PG Certificate by part-time study 24 months elapsed time

Mode of Study

19.22.133 The course is available by full-time and part-time study.

Curriculum

19.22.134 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 931</td>
<td>Generic Biomedical And Pharmaceutical Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP990</td>
<td>Practice and Application of Pharmaceutical Sciences</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP992</td>
<td>Advanced Drug Delivery Methods &amp; Topics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP993</td>
<td>Advanced Formulation Methods &amp; Topics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP994</td>
<td>Advanced Drug Discovery Methods &amp; Topics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP995</td>
<td>Advanced Toxicology Methods &amp; Topics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM907</td>
<td>Advanced Biomedical Methods 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM914</td>
<td>Advanced Biomedical Methods 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM904</td>
<td>Advanced Biomedical Topics 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM905</td>
<td>Advanced Biomedical Topics 2</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP991</td>
<td>Pharmaceutical Sciences Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.22.135 Regulations 19.1.25 – 19.1.33 shall apply.
19.22.136 The final assessment will be based on performance in the written examinations, the coursework, and, if required, an oral examination.

Award

19.22.137 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Pharmaceutical Sciences, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project.
19.22.138 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Pharmaceutical Sciences, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.22.139 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Pharmaceutical Sciences, a candidate must have accumulated no fewer than 60 credits.

19.22.140 to 19.22.165 (Not used)

MSc in Advanced Pharmaceutical Manufacturing
Postgraduate Diploma in Advanced Pharmaceutical Manufacturing
Postgraduate Certificate in Advanced Pharmaceutical Manufacturing

Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.22.166 Regulations 19.1.1 and 19.1.2 shall apply

**Duration of Study**

19. 22.167 Regulations 19.1.5 shall apply.

Notwithstanding regulation 19.1.6 the maximum period of study shall be as follows:

- Masters by full-time study: 24 months
- PG Diploma by full-time study: 18 months
- PG Certificate by full-time study: 12 months

*For part-time study*
- Masters by part-time study: 48 months elapsed time
- PG Diploma by part-time study: 36 months elapsed time
- PG Certificate by part-time study: 24 months elapsed time

**Mode of Study**

19. 22.168 The course is available by full-time and part-time study.

**Curriculum**

19. 22.169 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 931</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MP 930</td>
<td>5</td>
<td>20</td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MP 936</td>
<td>5</td>
<td>20</td>
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<tr>
<td>CH 913</td>
<td>5</td>
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<tr>
<td>MP 937</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MP 939</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only

- Mp 935 Continuous Manufacturing Research Project: 5 60

**Examination, Progress and Final Assessment**


19. 22.171 The final assessment will be based on performance in the written examinations, the coursework, and, if required, an oral examination.

**Award**
19. 22.172 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Continuous Manufacturing and Crystallisation, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project.

19. 22.173 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Continuous Manufacturing and Crystallisation, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19. 22.174 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Continuous Manufacturing and Crystallisation, a candidate must have accumulated no fewer than 60 credits.

19.22.175 to 19.22.199 (numbers not used)

**Collaborative MSc in Industrial Biotechnology**
**Postgraduate Diploma in Industrial Biotechnology**
**Postgraduate Certificate in Industrial Biotechnology**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**
19.22.200 Regulations 19.1.1 and 19.1.2 shall apply

**Duration of Study**
19. 22.201 Regulations 19.1.5 shall apply.

Notwithstanding regulation 19.1.6 the maximum period of study shall be as follows:

- Masters by full-time study: 12 months
- PG Diploma by full-time study: 9 months
- PG Certificate by full-time study: 6 months

*For part-time study*
- Masters by part-time study: 24 months elapsed time
- PG Diploma by part-time study: 18 months elapsed time
- PG Certificate by part-time study: 12 months elapsed time

**Mode of Study**
19. 22.202 The course is available by full-time and part-time study.

**Curriculum**
19. 22.203 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including the project
### Compulsory Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX930</td>
<td>Introduction to Industrial Biotechnology and its Governance (Innogen)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BM923</td>
<td>Bioprocessing (Strathclyde)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BM924</td>
<td>Applied Biocatalysis (Strathclyde)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EX933</td>
<td>Synthetic Biology (Glasgow)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EX926</td>
<td>Systems Biology (Edinburgh)</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

### Optional classes

All students shall undertake 30 credits from the following classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX928</td>
<td>Quality, IP and Regulations in an Industrial Context (UHI)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EX929</td>
<td>Blue Biotechnology (SAMS)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EX931</td>
<td>Renewable Energy Technologies</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>EX927</td>
<td>Business and Operations Management in the Food and Beverage Industries</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>EX932</td>
<td>Sustainable &amp; Resource Efficient Formulation (UWS)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP520</td>
<td>Membrane Technology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM926</td>
<td>Supply Chain Operations</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Or any other approved course form IBioIB HEI partner

Students for the degree of MSc only

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM929</td>
<td>Industrial Biotechnology Research Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

### Examination, Progress and Final Assessment

19.22.204 Regulations 19.1.25 – 19.1.33 shall apply.

19.22.205 The final assessment will be based on performance in the written examinations, the coursework, and, if required, an oral examination.

### Award

19.22.206 **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.

19.22.207 **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 classes of the course.

19.22.208 **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.

19.22.209 to 19.22.219 (numbers not used)
Strathclyde Institute of Pharmacy and Biomedical Sciences

Practice Certificate in Independent Prescribing

Course Regulations
These regulations are to be read in conjunction with Regulation 19.1

19.22.220 Admission
Regulation 19.1.1 shall apply subject to the following. Applicants shall have appropriate qualifications and
i. Current registration with GPhC &/or PSNI as a practising pharmacist.

Or, if they already have a Supplementary Prescribing qualification:
  i. be a registered pharmacist with the GPhC or the Pharmaceutical Society of Northern Ireland. (PSNI) with annotation as a supplementary prescriber
  ii. be able to provide evidence of prescribing experience which is no longer than 2 years’ old
  iii. provide a statement of support from a medical practitioner that confirms their competence as a supplementary prescriber

19.22.221 Credit Transfer and Recognition of Prior Learning
Regulation 19.1.4 shall apply.

19.22.222 Duration of Study
The maximum period of study shall normally be 14 months or 6 months for those holding the Supplementary Prescribing qualification

19.22.223 Mode of study
The course is only available by part-time study

19.22.224 Curriculum
Students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP904 Therapeutics</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MP905 Prescribing and public health</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MP906 Care planning</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MP907 Period of learning in practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MP908 Communicating with patients and colleagues</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

Students who already have a Supplementary Prescribing qualification will undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP980 Independent Prescribing Conversion</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

19.22.225 Examination, Progress and Final Assessment
Regulations 19.1.25 – 19.1.33 shall apply

19.22.226 **Award**
In order to qualify for the award of Practice Certificate in Independent Prescribing, a student must have accumulated 30 credits.
19.23 Validated Courses

Department of Chemistry, Pure and Applied

Forensic Science

Forensic Science Society Professional MSc
Forensic Science Society Professional Postgraduate Diploma
Forensic Science Society Professional Postgraduate Certificate
in
Crime Scene Investigation
Document Examination
Fire Investigation
Firearms Examination
Forensic Imaging
Forensic Toxicology
Identity Document Examination

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.23.1 Notwithstanding Regulation 19.1.1, applicants shall normally
(i) possess a degree from a United Kingdom university (in an appropriate
discipline) or
(ii) be deemed, by the Forensic Science Society diploma managers and
the academic administrator acting on behalf of Senate to have
achieved an academic standard equivalent to (i) above be equivalent.
(i) have at least three years’ experience as a forensic practitioner in the
subject relevant to the award applied for.
In all cases, applicants whose first language is not English, shall be required
to demonstrate an appropriate level of competence in the English language.

Mode of study

19.23.2 The courses are available by self study only. Candidates will register with
the Forensic Science Society and through them with the University at least
three months prior to the first examination that they propose to sit.

Duration of Study

19.23.3 Regulation 19.1.5 shall apply. Notwithstanding Regulation 19.1.6, the
maximum duration of study will be:

for the Postgraduate Certificate - 18 months post registration
for the Postgraduate Diploma – 18 months post registration
for the degree of MSc – 30 months post registration.

Place of Study

19.23.4 The courses are followed through self study and work related practical
experience according to a detailed curriculum that has been approved by the
University and is available from the Forensic Science Society.
Curriculum

19.23.5 All candidates shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the theory class in the appropriate subject area
for the Postgraduate Diploma – no fewer than 120 credits in the appropriate subject area
for the degree of MSc – no fewer than 180 credits in the appropriate subject area including a Dissertation

Compulsory Class (appropriate to the chosen course) Level Credits

Crime Scene Investigation
FS 951 Crime Scene Investigation: Theory 5 60

Document Examination
FS 960 Document Examination: Theory 5 60

Fire Investigation
FS 954 Fire Investigation: Theory 5 60

Firearms Examination
FS 957 Firearms Examination: Theory 5 60

Forensic Imaging
FS 963 Forensic Imaging: Theory 5 60

Forensic Toxicology
FS 966 Forensic Toxicology: Theory 5 60

Identity Document Examination
FS 942 Identity Document Examination: Theory 5 60

Students for the Postgraduate Diploma and degree of MSc in addition shall undertake (appropriate to the chosen course):

Crime Scene Investigation
FS 952 Crime Scene Investigation: Practical 5 30  
FS 953 Crime Scene Investigation: Oral 5 30

Document Examination
FS 961 Document Examination: Practical 5 30
FS 962 Document Examination: Oral 5 30

Fire Investigation
FS 955 Fire Investigation: Practical 5 30  
FS 956 Fire Investigation: Oral 5 30

Firearms Examination
FS 958 Firearms Examination: Practical 5 30
FS 959 Firearms Examination: Oral 5 30
### Forensic Imaging
- **FS 964** Forensic Imaging: Practical 5 30
- **FS 965** Forensic Imaging: Oral 5 30

### Forensic Toxicology
- **FS 967** Forensic Toxicology: Practical 5 30
- **FS 968** Forensic Toxicology: Oral 5 30

### Identity Document Examination
- **FS 943** Identity Document Examination: Practical 5 30
- **FS 971** Identity Document Examination: Oral 5 30

Students for the degree of MSc only in addition shall undertake (appropriate to the chosen course):

### Crime Scene Investigation
- **FS 969** Crime Scene Investigation: Dissertation 5 60

### Document Examination
- **FS 940** Document Examination: Dissertation 5 60

### Fire Investigation
- **FS 978** Fire Investigation: Dissertation 5 60

### Firearms Examination
- **FS 939** Firearms Examination: Dissertation 5 60

### Forensic Imaging
- **FS 970** Forensic Imaging: Dissertation 5 60

### Forensic Toxicology
- **FS 941** Forensic Toxicology: Dissertation 5 60

### Identity Document Examination
- **FS 944** Identity Document Examination: Dissertation 5 60

### Examination, Progress and Final Assessment

19.23.6 Regulations 19.1.25 – 19.1.33 shall apply.
19.23.7 Candidates must take the theory examination in the first instance and can only progress to the practical and oral examinations upon successful completion of the theory examination.
19.23.8 The final assessment will be based upon performance in the examinations, coursework and dissertation where undertaken and, if required, in an oral examination.

### Award

19.23.9 **Degree of MSc:** In order to qualify for the degree of MSc in the chosen course, a candidate must have accumulated no fewer than 180 credits from the course curriculum of which 60 must have been awarded in respect of the dissertation.
Postgraduate Diploma: In order to qualify for the award of a Postgraduate Diploma in the chosen course, a candidate must have accumulated the 120 credits from the classes of the course.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in the chosen course, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

Global Public Health

MSc in Global Public Health
Postgraduate Diploma in Global Public Health
Postgraduate Certificate in Global Public Health

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

The course is offered by the Strathclyde Institute of Global Public Health (SIGPH) – a research and education collaboration between the University of Strathclyde and the International Prevention Research Institute (iPRI) in Lyon, France. Awards are made in the name of the University of Strathclyde.

Admission
19.24.1 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.24.2 Regulations 19.1.5 and 19.1.6 shall apply. The normal duration of study will be:

- for the degree of Masters by full-time study – 24 months
- for the Postgraduate Diploma by full-time study – 18 months
- for the Postgraduate Certificate by full-time study – 12 months

Place of Study
19.24.3 The instructional part of the course will be taught at the International Prevention Research Institute and then at the University of Strathclyde.

Mode of Study
19.24.4 The course is available by full-time study only.

Curriculum
19.24.5 All students undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of Master – no fewer than 240 credits
  including an individual research project.
and, if required, additional tuition in the English Language.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM 925 Introduction to global public health</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>BM 926 Biostatistics and Mathematics</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>BM 927 Epidemiology</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>BM 928 Group Research</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 40 credits at level 5 as approved by the Course Director and drawn from at least two of the following subject areas:

- Public Health Law
- Electrical Engineering
- Civil Engineering
- Pharmacy Management
- Bioengineering
- Public Health Policy
- Public Health in Business

Compulsory project

<table>
<thead>
<tr>
<th>Individual Research Project</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX XXX</td>
<td>5</td>
<td>80</td>
</tr>
</tbody>
</table>

Total credits 240

Examination, Progress and Final Assessment


19.24.8 Progress from IPRI to the University of Strathclyde is dependent on passing 90 credits at level 5 in the classes taught in France.

19.24.9 The final assessment will be based on performance in the examinations, coursework and the Individual Research Project dissertation where undertaken.

Award

19.24.10 Degree of MSc: In order to qualify for the award of the degree of MSc in Global Public Health, a candidate must have performed to the satisfaction of the Board of Examiners and must normally have accumulated no fewer than 240 credits of which 80 must have been awarded in respect of the Individual Research Project.

19.24.11 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Global Public Health, a candidate must normally have
accumulated no fewer than 120 credits from the taught compulsory or optional classes of the course.

19.24.12 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Global Public Health, a candidate must normally have accumulated no fewer than 60 credits from the taught compulsory or optional classes of the course.
Faculties of Science and Engineering: Joint Courses

System Level Integration

MSc in System Level Integration
Postgraduate Diploma in System Level Integration

[The General Regulations for Higher Degrees (Regulation 19.1) of the University of Strathclyde shall not apply, except with the agreement of the University of Glasgow.]

This course is offered jointly by the University of Strathclyde, the University of Edinburgh, the University of Glasgow and Heriot-Watt University and the awards are made in the name of all four universities. The Regulations are drawn up consequent upon a Memorandum of Co-operation which has been approved by Senate.

The taught component of the programmes may be delivered at university campuses, at the Institute of System Level Integration’s premises at Livingston or at independent work sites but all classes are taught by staff from the four universities. Students shall be subject to the Course Regulations that have been adopted by all four Universities and to any other General Regulations, etc. of the University at which they are studying.

For the current academic year, the administering University Heriot-Watt University and full details of Course Regulations applicable are shown in that University’s Calendar.

Information Technology Systems

MSc in Information Technology Systems
Postgraduate Diploma in Information Technology Systems
Postgraduate Certificate in Information Technology Systems

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.30.90 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the Master’s programme, a first or second class Honours degree) from a United Kingdom university (in Science or Engineering but excluding Electronics or Computer Science); or
(ii) a qualification deemed by the Course 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
19.30.91 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.30.92 The courses are available by full-time study only.

Curriculum
19.30.93 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 913</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>52 901</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td>52 902</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>52 903</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>52 904</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>EE 932</td>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td>EE 933</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>EE 934</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>EE 935</td>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

EF 900      Project | 5 | 60

Examination, Progress and Final Assessment
19.30.94 Regulations 19.1.25 – 19.1.33 shall apply.
19.30.95 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

Award
19.30.96 Degree of MSc: In order to qualify for the award of the degree of MSc in Information Technology 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.

19.30.97 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Information Technology Systems, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.30.98 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Information Technology Systems, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
Faculty of Engineering

Sustainable Engineering

19.40 Faculty Postgraduate Programme in Sustainable Engineering

Postgraduate courses 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.

MSc, Postgraduate Diploma and Postgraduate Certificate in Sustainable Engineering:

Building Design and Management
Chemical Processing
Marine Technology
Offshore Renewable Energy
Renewable Energy Systems and the Environment
Sustainable Product Development

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.40.1 Regulations 19.1.1 and 19.1.2 shall apply.

Mode of Study
19.40.2 The courses are available by full-time and part-time study.

Course Structure
19.40.3 The following distinct pathways are named postgraduate awards in Sustainable Engineering of the Faculty of Engineering:

Building Design and Management
Chemical Processing
Marine Technology
Offshore Renewable Energy
Renewable Energy Systems and the Environment
Sustainable Product Development

19.40.4 Curriculum
All students shall undertake an approved curriculum as follows:

For the Postgraduate Certificate - no fewer than 60 credits including the 10 credit compulsory class and 20 credits of Faculty-wide Optional Classes and 30 credits of classes chosen from the appropriate individual pathway.

For the Postgraduate Diploma no fewer than 120 credits including the 10 credit compulsory class, a 40 credit group project and at least 20 credits of Faculty-wide Optional classes and at least 30 credits of classes from the appropriate individual pathway.
For the degree of MSc only no fewer than 180 credits including Individual Project (see Regulation 19.40.9) 60 credits

19.40.5 All students shall undertake

**Compulsory Class**

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB975</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

19.40.6 Faculty-wide Optional Classes

No fewer than 20 credits chosen from:

- EF 929 Financial Engineering 5 10
- EF 927 Design Management 5 10
- EF 930 Information Management 5 10
- EF 931 Project Management 5 10
- EF 932 Risk Management 5 10
- EV 939 Environmental Impact Assessment 5 10
- DM 930 Knowledge Engineering and Management for Engineers 5 10

Exceptionally, the appropriate Course Director may approve the substitution of one class for one of the Faculty-wide classes.

19.40.7 Named Pathways

**Sustainable Engineering: Building Design and Management**

Compulsory Classes*

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 563</td>
<td>Ecology, Sustainability and the Built Environment</td>
<td>5 10</td>
</tr>
<tr>
<td>AB 9xx</td>
<td>Construction Project Management</td>
<td>5 10</td>
</tr>
<tr>
<td>ME 922</td>
<td>Energy Resources and Policy</td>
<td>5 10</td>
</tr>
</tbody>
</table>

**Sustainable Engineering: Chemical Processing**

Optional Classes*

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP 906</td>
<td>Colloid Engineering 2</td>
<td>5 10</td>
</tr>
<tr>
<td>CP 917</td>
<td>Process Design Principles</td>
<td>5 10</td>
</tr>
<tr>
<td>CP 918</td>
<td>Safety Management Practices</td>
<td>5 10</td>
</tr>
<tr>
<td>CP 919</td>
<td>Programming &amp; Optimisation</td>
<td>5 10</td>
</tr>
<tr>
<td>CP 921</td>
<td>Emerging Technologies</td>
<td>5 10</td>
</tr>
<tr>
<td>CP 938</td>
<td>Environmental Control Technologies</td>
<td>5 10</td>
</tr>
<tr>
<td>CP 939</td>
<td>Energy Systems</td>
<td>5 10</td>
</tr>
</tbody>
</table>

**Sustainable Engineering: Marine Technology**

Optional Classes*

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 947</td>
<td>Modelling and Optimisation in Design</td>
<td>5 10</td>
</tr>
<tr>
<td>NM 950</td>
<td>Maritime Safety and Risk</td>
<td>5 10</td>
</tr>
<tr>
<td>NM 958</td>
<td>Risers and Mooring Lines</td>
<td>5 10</td>
</tr>
<tr>
<td>NM 962</td>
<td>Advanced Marine Structures</td>
<td>5 10</td>
</tr>
<tr>
<td>NM 975</td>
<td>Computational Free Surface Hydrodynamics</td>
<td>5 10</td>
</tr>
</tbody>
</table>

**Sustainable Engineering: Offshore Renewable Energy**

Optional Classes*
NM 960 Finite Element Analysis of Floating Structures 5 10
NM 969 Renewable Marine Energy Systems 5 10
ME 929 Electrical Power Systems 5 10
ME 927 Energy Resources and Policy 5 10

**Sustainable Engineering: Renewable Energy Systems and the Environment**

**Optional Classes***
ME 929 Electrical Power Systems 5 10
ME 927 Energy Resources and Policy 5 10
ME 928 Energy Systems Analysis 5 10
ME 930 Energy Modelling and Monitoring 5 10

**Sustainable Engineering: Sustainable Product Development**

**Compulsory Classes***
DM 924 Product Design Techniques 5 20
DM 943 Sustainable Product Design and Manufacture 5 10

**Optional Classes***
DM 918 People, Organisation & Technology 5 10
DM 923 Product Modelling and Visualisation 5 10
DM 926 Supply Chain Operations 5 10
DM 929 CAED Systems 5 10
DM 933 Risk Engineering 5 10

* Exceptionally, the appropriate Course Director may approve the substitution of one of the pathway classes.

19.40.8 Students for the degree of MSc and Postgraduate Diploma will undertake:
EF 936 Sustainable Engineering Group Project 5 40

19.40.9 Students for the degree of MSc only:
EF 900 Individual Project 5 60

19.40.10 Regulations 19.1.25 – 19.1.33 shall apply.
19.40.11 The final assessment will be based on performance in the examinations, coursework, the Individual Project where undertaken.

**Award**

19.40.12 **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.

19.40.13 **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 course curriculum.

19.40.14 **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 course curriculum.

19.40.15 to 19.40.40 (Numbers not used.)

Engineering

Certificate in Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.40.41 All students will normally have been admitted in the first instance to the MRes in Engineering.

Duration of Study
19.40.42 Regulation 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.40.43 The course is available by full-time and part-time study.

Curriculum
19.40.44 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes:</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 931 Research Protocols for Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 933 Engineering Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>or EF 931 Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits chosen from Level 5 classes offered by the Faculty of Engineering, as approved by the Director of Studies.

Examination, Progress and Final Assessment
19.40.45 Regulations 19.1.25 – 19.1.33 shall apply.
19.40.46 The final assessment will be based on performance in the examinations, coursework, and, if required, in an oral examination.

Award
19.40.47 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Engineering, a candidate must have accumulated no fewer than 60 credits from the course curriculum.

19.40.48 to 19.40.63 (numbers not used)
19.40.64 Admission
Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or
(ii) a qualification deemed by the Course 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 competence.

19.40.65 Duration of Study
Regulations 19.1.5 and 19.1.6 shall apply.

19.40.66 Mode of Study
The courses are available by full or part-time study.

19.40.67 Curriculum
All students shall undertake an approved curriculum as follows:

For the Postgraduate Certificate – no fewer than 60 credits from the classes in List A
For the Postgraduate Diploma – no fewer than 120 credits, including 60 from List A, no fewer than 30 from the classes in List B and a Group Project of 30 credits
For the degree of MSc – no fewer than 180 credits, including the Project.

Classes
List A: Faculty-wide Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 927</td>
<td>Design Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932</td>
<td>Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 941</td>
<td>Understanding Financial Information</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 935</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 9xx</td>
<td>Commercial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 935</td>
<td>Management of Total Quality and Continuous Improvement</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

List B: Specialist Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 919</td>
<td>Electrical Power Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>ECTS</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------</td>
<td>---------</td>
<td>------</td>
</tr>
<tr>
<td>ME 921</td>
<td>Environmental Performance and Related</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Technologies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME 922</td>
<td>Energy Resources and Policy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 924</td>
<td>Power Plant Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 926</td>
<td>Nuclear Power Systems</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Such other Faculty Level 5 classes, as approved by the Course Director.

Students for the degree of MSc and Postgraduate Diploma will undertake:

- **EF 9xx** Project Engineering: Group Project 5 30

Students for the degree of MSc only:

- **EF 900** Project 5 60

19.40.68 **Examination, Progress and Final Assessment**

Regulations 19.1.25 – 19.1.33 shall apply.

The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

**Award**

19.40.69 **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.

19.40.70 **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 course curriculum.

19.40.71 **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 classes of the course.

19.40.71 to 19.40.99 (numbers not used)
Department of Architecture

Advanced Architectural Studies

MSc in Advanced Architectural Studies
Postgraduate Diploma in Advanced Architectural Studies
Postgraduate Certificate in Advanced Architectural Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.41.1 Notwithstanding Regulation 19.1.1 applicants shall possess
(i) an Honours degree in Architecture of a university in the United Kingdom; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to the above.
Applicants applying in terms of appropriate professional experience may be required to register initially for the Postgraduate Diploma.

Duration of Study
19.41.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.41.3 The courses are available by full-time study only.

Curriculum
19.41.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 964</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 965</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>AB 966</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 967</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 968</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Such other classes as may be approved by the Course Director</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 900</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.41.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.41.6 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.
Award

19.41.7 **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.

19.41.8 **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 classes of the course.

19.41.9 **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 classes of the course.

19.41.10 (Number not used)

Advanced Architectural Design

**MArch in Advanced Architectural Design**
**Postgraduate Diploma in Advanced Architectural Design**
**Postgraduate Certificate in Advanced Architectural Design**
**Graduate Diploma in Advanced Architectural Design**

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.41.11 Notwithstanding Regulation 19.1.1 applicants shall possess

(i) an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, normally at 2.2 or equivalent.; or

(ii) an ARB/RIBA Part 1 Qualification or equivalent degree in Architecture, and a period of relevant professional practice experience.

(iii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to the above.

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

Duration of Study

19.41.12 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.41.13 The courses are available by full-time study only.

Curriculum

19.41.14 All students shall undertake an approved curriculum as follows

for the Graduate Diploma – no fewer than 120 credits from the first year of the programme
for the Postgraduate Certificate – no fewer than 60 credits from the second year of the programme
for the Postgraduate Diploma – no fewer than 120 credits from the second year of the programme
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:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 418 Design Studies 4A</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>AB 419 Design Studies 4B</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>AB 420 Cultural Studies 4</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>AB 421 Special Study Project 4</td>
<td>4</td>
<td>20</td>
</tr>
</tbody>
</table>

Second Year
Compulsory Classes | Level | Credits |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 964 Design Studies 5A</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 965 Design Studies 5B</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>AB 966 Special Study Project 5</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 967 Cultural Studies 5</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 968 Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director

Students for the degree of MArch only:
22 900 Project 5 60

Examination, Progress and Final Assessment

19.41.15 Regulations 19.1.25 – 19.1.33 shall apply.
In order to progress to the second year of the course, a student must normally have accumulated at least 120 credits including all the first year compulsory classes.

19.41.16 The final assessment will be based on performance in the first attempt examinations, coursework and the Project where undertaken.

Award

19.41.17 **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.

19.41.18 **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 classes.

19.41.19 **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.
**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 course curriculum.

### Architectural Studies

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

#### Course Regulations  
[These regulations are to be read in conjunction with Regulation 19.1.]

#### Admission

19.41.21 Regulations 19.1.1 and 19.1.2 shall apply.

#### Duration of Study

19.41.22 Regulations 19.1.5 and 19.1.6 shall apply.

#### Mode of Study

19.41.23 The course is available by full-time study only.

#### Curriculum

19.41.24 All students shall undertake an approved curriculum as follows:

- **for the Postgraduate Diploma** – no fewer than 240 credits  
- **for the Postgraduate Certificate** – no fewer than 180 credits  
- **for the Graduate Diploma** – no fewer than 120 credits

#### First Year

19.41.25 All students shall follow an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 418 Design Studies 4A</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>AB 419 Design Studies 4B</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>AB 420 Cultural Studies 4</td>
<td>4</td>
<td>40</td>
</tr>
<tr>
<td>AB 421 Special Study Project 4</td>
<td>4</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Second Year

19.41.26 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.

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 964 Design Studies 5A</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 965 Design Studies 5B</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>AB 966 Special Study Project 5</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 967 Cultural Studies 5</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 968 Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
Such other classes as may be approved by the Course Director

Examination, Progress and Final Assessment

19.41.27 Regulations 19.1.25 – 19.1.33 shall apply.
19.41.28 In order to progress to the second year of the course, a student must normally have accumulated at least 120 credits including all the first year compulsory classes. From the total first year credits, 100 must have been gained at the first assessed attempt. In addition, a student must have achieved a level of performance that is acceptable to the Course Director and as detailed in the Course Handbook.
19.41.29 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

Award

19.41.30 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 classes.
19.41.31 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 classes and at least 60 from the second year.
19.41.32 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 course curriculum.

Urban Design

MSc in Urban Design
Postgraduate Diploma in Urban Design
Postgraduate Certificate in Urban Design

Course Regulations
[These regulations are to be read in conjunction with Regulations 19.1.]

Admission

19.41.141 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree in Architecture or a discipline related to the built environment of a university in the United Kingdom; or
(ii) a qualification deemed by the head of Department acting on behalf of Senate to be equivalent to the above.
Applicants applying in terms of appropriate professional experience may be required to register initially for the Postgraduate Diploma. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study
19.41.142 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

19.41.143 The courses are available by full-time and part-time study.

**Curriculum**

19.41.144 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate - no fewer than 60 credits
- for the Postgraduate Diploma - no fewer than 120 credits including those for all the classes in List A
- for the degree of MSc no fewer than 180 credits including those for all the classes in List A and a dissertation project

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>List A</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AB 931 Urban Design Studio 1a: Analysis</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 932 Urban Design Studio 1b: Programme</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 973 Urban Design Studio 2: Framework and Coding</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 974 Urban Design Studio 3: Masterplanning</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AB 936 Urban Design History</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 943 Real Estate Development</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 946 Urban Design Policy and Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>either</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AB 939 Urban Theory</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CL 966 Principles of Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EF 928 Environmental Impact and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td><strong>List B</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No fewer than 20 credits chosen from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VP 501 VIP Project</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>VP 502 VIP Project</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 935 Urban Landscape Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 938 Urban Design Representation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>17 540 Transport Development and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931 Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 909 Financial Engineering</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

*Exceptionally, such other classes as approved by the Course Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 947 Dissertation Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.41.145 Regulations 19.1.25 – 19.1.33 shall apply.

19.41.146 The final assessment will be based on performance in the examinations, coursework, the Dissertation Project where undertaken.

**Award**
19.41.147  **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.

19.41.148  **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 classes of the course.

19.41.149  **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 classes of the course.

19.41.150  
to 19.41.160 (Numbers not used)
Building Design and Management for Sustainability

Postgraduate Certificate in Building Design and Management for Sustainability

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.41.161 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.41.162 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.41.163 The course is available by full-time and part-time study.

Curriculum
19.41.164 All students shall undertake an approved curriculum as follows.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 563 Ecology, Sustainability and</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>the Built Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AB 930 Construction Project</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AB 975 Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931 Research Protocols in</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Science and Engineering</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 955 Environmental Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CL 956 Environmental Business</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Strategy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EF 931 Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932 Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 933 Design Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 939 Environmental Impact</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Assessment</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.41.165 Regulations 19.1.25 – 19.1.33 shall apply.
19.41.166 The final assessment will be based on performance in the examinations, the coursework, and, if required, an oral examination.

Award
19.41.167 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 course curriculum.
MSc 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

Course Regulations
[These regulations are to be read in conjunction with Regulations 19.1: General Regulations for Postgraduate Awards by Instruction]

Admission
19.41.187 Notwithstanding Regulation 19.1.1, applicants shall possess

(i) a first or second class Honours degree in Architecture or a discipline related to the built environment of a university in the United Kingdom; or
(ii) a qualification deemed by the head of Department acting on behalf of Senate to be equivalent to the above.

Applicants applying in terms of appropriate professional experience may be required to register initially for the Postgraduate Diploma.

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

Duration of Study
19.41.188 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.41.189 The courses are available by full-time and part-time study.

Curriculum
19.41.190 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate - no fewer than 60 credits from classes in List A

- for the Postgraduate Diploma - no fewer than 120 credits including those for all the classes in List A

- for the degree of MSc no fewer than 180 credits including those for all the classes in List A and a dissertation project
### Classes

#### List A - Compulsory Classes*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 978</td>
<td>Theory of Conservation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 979</td>
<td>Architectural and Construction History</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 980</td>
<td>Legislation and Regulations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 981</td>
<td>Survey, Preliminary Studies and Investigations in Architectural Heritage</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 982</td>
<td>Materials and Decay</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 983</td>
<td>Conservation Design Project</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>AB 984</td>
<td>Structural repairs and strengthening</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 985</td>
<td>Conservation Materials Technology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

* Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director

#### List B - Optional Classes

10 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 936</td>
<td>Urban History</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 939</td>
<td>Urban Theory</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 943</td>
<td>Real Estate Development</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 946</td>
<td>Urban Design Policy and Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 975</td>
<td>Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 930</td>
<td>Construction Project Management</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB 986</td>
<td>Dissertation Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

19.41.191 Regulations 19.1.25 – 19.1.33 shall apply.

19.41.192 The final assessment will be based on performance in the examinations, coursework and the Dissertation Project where undertaken.

Award

19.41.193 **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 classes in List A, of which 60 must have been awarded in respect of the Dissertation Project.

19.41.194 **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 classes in List A.

19.41.195 **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 classes in List A.

19.41.196 to 19.41.206 (number not used)
19.42 Department of Biomedical Engineering

Biomedical Engineering

MSc in Biomedical Engineering
Postgraduate Diploma in Biomedical Engineering
Postgraduate Certificate in Biomedical Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

19.42.1 to 19.42.29 Numbers not used

Admission
19.42.30 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

Duration of Study
19.42.31 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.42.32 The courses are available by full-time and part-time study.

Curriculum
19.42.33 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a project

As permitted by Regulation 19.1.3 and at the discretion of the Course Director, exemption from part of the course may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE911</td>
<td>Engineering Science</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE915</td>
<td>Medical Science for Engineering</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE918</td>
<td>Professional Studies in Biomedical Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE919</td>
<td>Research Methodology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE909</td>
<td>Biomedical Electronics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE908</td>
<td>Biomedical Instrumentation</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

In addition students taking BE911 Engineering Science who do not have the prerequisite background in Anatomy & Physiology shall take as an additional compulsory class:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE912</td>
<td>Anatomy &amp; Physiology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Optional Classes
No fewer than 60 credits chosen from:

BE916 Introduction to Biomechanics 5 10
BE902 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

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

BE914 Biomedical Engineering Dissertation 5 20

Students for the degree of MSc only in addition will undertake:

BE907 Project 5 60

Examination, Progress and Final Assessment

19.42.34 Regulations 19.1.25 – 19.1.33 shall apply.

19.42.35 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

Award

19.42.36 **Degree of MSc:** In order to qualify for the award of the degree of MSc 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 including those for all the compulsory classes within the curriculum and the Project. **For those students required to take BE912 (Anatomy & Physiology) satisfactory performance is deemed additionally to include a pass in this module.**

19.42.37 **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 course curriculum.

19.42.38 **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 classes of the course curriculum.

19.42.39 to 19.42.80 (Numbers not used)

Medical Devices

**MSc in Medical Devices**
**Postgraduate Diploma in Medical Devices**
**Postgraduate Certificate in Medical Devices**

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]
Admission

19.42.81 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

Duration of Study

19.42.82 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.42.83 The courses are available by full-time and part time study.

Curriculum

19.42.84 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits of which no 20 shall be derived from a dissertation
- for the degree of MSc – no fewer than 180 credits including a project

As permitted by Regulation 19.1.4 and at the discretion of the Course Director, exemption from part of the course may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>59 906</td>
<td>Introductory Pharmacology</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE915</td>
<td>Medical Science for Engineering</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE918</td>
<td>Professional Studies in Biomedical Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE919</td>
<td>Research Methodology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MP 942</td>
<td>Advanced Techniques in Biomedical Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BM 919</td>
<td>Medical Genomics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE909</td>
<td>Biomedical Electronics</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE910</td>
<td>EngD/MSc Medical Devices Project</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE908</td>
<td>Biomedical Instrumentation</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

in addition to 60 credits chosen from the list of optional classes

Students for the Postgraduate Diploma only

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE914</td>
<td>PGDip Medical Devices Dissertation</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

in addition to 40 credits chosen from the list of optional classes

Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM 918</td>
<td>Clinical Biochemistry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE916</td>
<td>Introduction to Biomechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE904</td>
<td>Clinical and Sports Biomechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE900</td>
<td>Tissue Mechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE906</td>
<td>Biomaterials and Biocompatibility</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE901</td>
<td>Regenerative Medicine &amp; Tissue Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE903</td>
<td>Cardiovascular Devices</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE902</td>
<td>Prosthetics and Orthotics</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

19.42.85 Regulations 19.1.25 – 19.1.33 shall apply.
19.42.86 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

Award

19.42.87 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.
19.42.88 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.
19.42.89 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 classes of the course.

Medical Technology

Postgraduate Certificate in Medical Technology

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.42.91 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study

19.42.92 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.42.93 The course is available by full-time and part-time on-line study.

Curriculum

19.42.94 All students shall undertake an approved curriculum as follows.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 951 Research Methodology in Healthcare</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td>and either</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65 949 Case Studies in Medical Technology</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65 950 Elements of Medical Science</td>
<td>5</td>
<td>18</td>
</tr>
</tbody>
</table>
Optional Classes
No fewer than 24 credits chosen from:

65 952  Orthopaedic and Cardiovascular Device Technology 5 12
65 953  Biomaterials and their Applications 5 12
65 954  Artificial Organ Technologies 5 12
65 955  Diagnostic Instrumentation 5 12

Examination, Progress and Final Assessment

19.42.95 Regulations 19.1.25 – 19.1.33 shall apply.
19.42.96 The final assessment will be based on performance in the examinations, the coursework, and, if required, an oral examination.

Award

19.42.97 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 36 must have been awarded in respect of the compulsory classes.

19.42.98

to 19.42.125

Rehabilitation Studies

MSc in Rehabilitation Studies
Postgraduate Diploma in Rehabilitation Studies
Postgraduate Certificate in Rehabilitation Studies

MSc Prosthetics Rehabilitation Studies
Postgraduate Diploma in Prosthetics Rehabilitation Studies
Postgraduate Certificate in Prosthetics Rehabilitation Studies

MSc Orthotics Rehabilitation Studies
Postgraduate Diploma in Orthotics Rehabilitation Studies
Postgraduate Certificate in Orthotics Rehabilitation Studies

MSc Prosthetics and Orthotics Rehabilitation Studies
Postgraduate Diploma in Prosthetics and Orthotics Rehabilitation Studies
Postgraduate Certificate in Prosthetics and Orthotics Rehabilitation Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.42.126 Regulations 19.1.1 and 19.1.3 shall apply.

Mode of Study

19.42.127 The courses are available by distance-learning only and include a residential period.
Curriculum

All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits including the compulsory classes
- for the degree of MSc – no fewer than 180 credits including a project

Compulsory Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 938</td>
<td>Research Methodology</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 915</td>
<td>Data Analysis</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Together with classes appropriate to the chosen course

MSc Rehabilitation Studies
No fewer than 80 credits chosen from Lists A and D including 40 from List A

Prosthetic Rehabilitation Studies
No fewer than 80 credits chosen from Lists B and D including at least 40 from List B

Orthotics and Rehabilitation Studies
No fewer than 80 credits chosen from Lists C and D including at least 40 from List C

Prosthetics and Orthotics Rehabilitation Studies
No fewer than 80 credits including 40 chosen from each of Lists B and C

Classes*

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>List A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>94 927</td>
<td>Clinical Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 928</td>
<td>Introductory Biomechanics</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

List B

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 905</td>
<td>Prosthetic Studies++</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 937</td>
<td>Advanced Prosthetic Science+</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 929</td>
<td>Lower Limb Prosthetic Biomechanics</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

List C

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 904</td>
<td>Orthotic Studies++</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 935</td>
<td>Advanced Orthotic Science+</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 930</td>
<td>Lower Limb Orthotic Biomechanics</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

List D

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 904</td>
<td>Orthotic Studies ++</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 905</td>
<td>Prosthetic Studies ++</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 927</td>
<td>Clinical Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 928</td>
<td>Introductory Biomechanics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 929</td>
<td>Lower Limb Prosthetic Biomechanics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 930</td>
<td>Lower Limb Orthotic Biomechanics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 936</td>
<td>Clinical Gait Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>94 937</td>
<td>Advanced Prosthetic Science+</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 900</td>
<td>Project</td>
<td>5</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.42.129 Regulations 19.1.25 – 19.1.33 shall apply.

19.42.130 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

**Award**

19.42.131 **Degree of MSc:** In order to qualify for the award of the degree of MSc in the chosen course, 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 course curriculum, of which 60 must have been awarded in respect of the Project.

19.42.132 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in the chosen course, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.42.133 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in the chosen course, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
Chemical Technology and Management

MSc in Chemical Technology and Management
Postgraduate Diploma in Chemical Technology and Management
Postgraduate Certificate in Chemical Technology and Management

Process Technology and Management

MSc in Process Technology and Management
Postgraduate Diploma in Process Technology and Management
Postgraduate Certificate in Process Technology and Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.43.1 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in a relevant discipline; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to (i) above; and
(iii) in addition, all successful applicants shall have appropriate professional experience and shall normally be employed in the appropriate industry.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study
19.43.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.43.3 The courses are available by part-time study only.

Curriculum
19.43.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits including a minimum of 30 from Lists A and B and a minimum of 10 from List C.
for the Postgraduate Diploma – no fewer than 120 credits including a minimum of 60 from Lists A and B and a minimum of 30 from List C
for the degree of MSc – no fewer than 180 credits including a minimum of 60 from Lists A and B and a minimum of 30 from List C and the 60 credit project

For the award to be classified as Process Technology and Management the majority of Technology classes being counted towards a qualification must be from list A.
For the award to be classified as Chemical Technology and Management the majority of Technology classes being counted towards a qualification must be from list B.

### List A – Process Technology*

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP 917</td>
<td>Process Design Principles</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 959</td>
<td>Advanced Process Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 918</td>
<td>Safety Management Practices</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 919</td>
<td>Programming and Optimisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 920</td>
<td>Modelling and Simulation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 921</td>
<td>Emerging Technologies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 922</td>
<td>IPR Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 923</td>
<td>Process Safety Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 924</td>
<td>Environmental Engineering and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 925</td>
<td>Petrochemical Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 926</td>
<td>Multi-Phase Processing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 927</td>
<td>Process Control Strategies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 952</td>
<td>Colloid Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 950</td>
<td>Modern Process Measurements</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 951</td>
<td>Nanotechnology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 953</td>
<td>Membrane Technology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 954</td>
<td>Communicating Science and Technology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 955</td>
<td>Molecular simulation in chemical engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 956</td>
<td>Nuclear Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 957</td>
<td>Fuel Cells</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

### List B – Chemical Technology*

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP 917</td>
<td>Process Design Principles</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 918</td>
<td>Safety Management Practices</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 919</td>
<td>Programming and Optimisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 921</td>
<td>Emerging Technologies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 922</td>
<td>IPR Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 928</td>
<td>Laboratory Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 929</td>
<td>Analytical Techniques and Automation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 930</td>
<td>Management of Technological Innovation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 950</td>
<td>Modern Process Measurements</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 951</td>
<td>Nanotechnology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 957</td>
<td>Fuel Cells</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 953</td>
<td>Membrane Technology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 954</td>
<td>Communicating Science and Technology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

### List C – Business, Management and IT *

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP 931</td>
<td>Understanding Financial Information</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 932</td>
<td>Managing People</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 933</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 934</td>
<td>Business and Technology Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 935</td>
<td>IT Systems and Strategy</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

* Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director
Examination, Progress and Final Assessment

19.43.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.43.6 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken

Award

19.43.7 Degree of MSc: In order to qualify for the award of the degree of MSc in Chemical Technology and Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the relevant course curriculum, of which 60 credits must have been awarded in respect of the Project.
19.43.8 In order to qualify for the award of the degree of MSc in Process Technology and Management, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the relevant course curriculum, of which 60 credits must have been awarded in respect of the Project.
19.43.9 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Chemical Technology and Management, a candidate must have accumulated no fewer than 120 credits from the relevant course
19.43.10 In order to qualify for the award of the Postgraduate Diploma in Process Technology and Management, a candidate must have accumulated no fewer than 120 credits from the relevant course curriculum
19.43.11 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Chemical Technology and Management, a candidate must have accumulated no fewer than 60 credits from the relevant course curriculum
19.43.12 In order to qualify for the award of the Postgraduate Certificate in Process Technology and Management, a candidate must have accumulated no fewer than 60 credits from the relevant course curriculum
19.43.13 to 19.43.40 (Numbers not used)

Advanced Chemical and Process Engineering

MSc in Advanced Chemical and Process Engineering
Postgraduate Diploma in Advanced Chemical and Process Engineering
Postgraduate Certificate in Advanced Chemical and Process Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.43.41 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in a relevant discipline; or
(ii) a qualification deemed by the Course 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**

19.43.42 Regulations 19.1.5 and 19.1.6 shall apply.

**Place of Study**

19.43.43 As permitted by Regulation 19.1.8, study may be undertaken at University of Strathclyde or within other institutions or agencies approved by Senate.

**Mode of Study**

19.43.44 The courses are available by full-time study only.

**Curriculum**

19.43.45 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits as detailed below
- for the Postgraduate Diploma – no fewer than 120 credits as detailed below
- for the degree of MSc - no fewer than 180 credits including a project

**Optional Classes**

No fewer than 60 credits including at least 40 from List A and 10 from List B

<table>
<thead>
<tr>
<th>List A</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP 846 Petrochemical Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 937 Multi Phase Processing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 938 Environmental Control Technologies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 939 Energy Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 940 Emerging Technologies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 942 Safety Management Practices</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 943 Programming and Optimisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 944 Process Safety Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 945 Process Design Principles</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CP 947 Colloid Engineering</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List B</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP 941 Understanding Financial Information</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930 Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931 Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932 Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

*Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director.

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:

| CP 948 Group Project | 5 | 40 |

Together with a further 20 credits chosen from List B above.
Students for the degree of MSc only:
CP 949 Individual Project 5 60

**Examination, Progress and Final Assessment**

19.43.46 Regulations 19.1.25 – 19.1.33 shall apply.
19.43.47 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

**Award**

19.43.48 **Degree of MSc:** In order to qualify for the award of the degree of MSc in 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, of which 40 credits must be awarded for the Group Project and 60 credits must have been awarded in respect of the Project.

19.43.49 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Chemical and Process Engineering, a candidate must have accumulated no fewer than 120 credits, of which 40 credits must be awarded for the Group Project.

19.43.50 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Advanced Chemical and Process Engineering, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
Construction Management

Postgraduate Diploma in Construction Management
Postgraduate Certificate in Construction Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.44.1 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree from a United Kingdom university (in an appropriate
discipline); or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study
19.44.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.44.3 The courses are available by full-time and by part-time study.

Place of Study
19.44.4 The course is taught off-campus by University of Strathclyde staff.

Curriculum
19.44.5 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits including at
least 10 credits from each of Lists A and B and 20 credits from List C
for the Postgraduate Diploma – no fewer than 120 credits

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>List A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB 805</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB 806</td>
<td></td>
<td></td>
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<tr>
<td>GB 812</td>
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<tr>
<td>GB 814</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB 816</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB 831</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Exceptionally, such other Level 5 classes as may be approved by the
  Course Director |
| List B             |       |         |
| EF 908             |       |         |
| EF 910             |       |         |
| EF 912             |       |         |
| List C             |       |         |
Examination, Progress and Final Assessment
19.44.6 Regulations 19.1.25 – 19.1.33 shall apply.
19.44.7 The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

Award
19.44.8 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Construction Management, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.44.9 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Construction Management, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course, including at least 20 credits from List C.

Environmental Engineering

MSc in Environmental Engineering
Postgraduate Diploma in Environmental Engineering
Postgraduate Certificate in Environmental Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission
19.44.10 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study
19.44.11 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.44.12 The courses are available by full-time and part-time study.

Place of Study
19.44.13 As permitted by Regulation 19.1.8, some off-campus work may be required.

Curriculum
19.44.14 All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits, with at least 20 credits from the list of compulsory classes
for the Postgraduate Diploma – no fewer than 120 credits 50 credits compulsory and 70 credits optional classes
for the degree of MSc – no fewer than 180 credits 50 credits compulsory classes, 70 credits optional classes, and a 60 credits project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 904 Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 906 Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931 Research Protocols for Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 948 Principles of Environmental Microbiology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 975 Environmental Chemistry</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 70 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 507 Ground Improvement and Reinforcement</td>
<td>5</td>
<td>10</td>
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<tr>
<td>CL 970 Environmental Pollution Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 971 Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 947 Climate Change Mitigation and Adaptation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 954 Contaminated Land</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 956 Environmental Business Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 960 Fundamentals of Environmental Forensics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 961 Geographical Information Systems (GIS)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 939 Environmental Impact Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 905 Ecology, Biodiversity and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 908 Pollution and Rehabilitation of Degraded Ecosystems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 921 Water and Environmental Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 929 UK and EU Environmental Law</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 946 Global Water Policy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 935 Hydrogeology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td><strong>CL 9XX</strong> Water &amp; Wastewater Treatment Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 973 Independent Study in Collaboration with Industry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 850 International Environmental Law</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Exceptionally, such other Level 5 classes totalling no more than 20 credits, as approved by the Course Director.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>CL 944 Project in Environmental Engineering</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 60</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.44.15 Regulations 19.1.25 – 19.1.33 shall apply.
19.44.16 The final assessment will be based on performance in the examinations, coursework, the project, where undertaken.

Award

19.44.17 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 course curriculum including a project.
19.44.18 **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 classes of the course curriculum.

19.44.19 **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 classes of the course curriculum.

**Environmental Entrepreneurship**

**MSc in Environmental Entrepreneurship**
**Postgraduate Diploma in Environmental Entrepreneurship**
**Postgraduate Certificate in Environmental Entrepreneurship**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1].

**Admission**
19.44.20 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in any discipline; or
(ii) a qualification deemed by the Course 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 competence.

**Duration of Study**
19.44.21 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**
19.44.22 The courses are available by full-time and part-time study.

**Place of Study**
19.44.23 As permitted by Regulation 19.1.8, some off-campus work may be required.

**Curriculum**
19.44.24 All students shall undertake an approved curriculum as follows:
- for the Postgraduate Certificate – no fewer than 60 credits including at least 20 from the Entrepreneurship classes and 20 from the Environmental classes.
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 957</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Client-Based Environmental Entrepreneurship in Practice</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
Entrepreneurship, Innovation and Commercialisation 5 10
New Venture Creation 5 10

Optional Classes
No fewer than 70 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 946</td>
<td>Global Water Policy</td>
<td>5</td>
</tr>
<tr>
<td>CL 947</td>
<td>Climate Change Mitigation and Adaptation</td>
<td>5</td>
</tr>
<tr>
<td>CL 955</td>
<td>Environmental Management Systems</td>
<td>5</td>
</tr>
<tr>
<td>CL 956</td>
<td>Environmental Business Strategy</td>
<td>5</td>
</tr>
<tr>
<td>CL 958</td>
<td>Recent Trends in Technological Progress</td>
<td>5</td>
</tr>
<tr>
<td>CL 964</td>
<td>Principles of Sustainability</td>
<td>5</td>
</tr>
<tr>
<td>CL 965</td>
<td>Science, Technology and Innovation Policy</td>
<td>5</td>
</tr>
<tr>
<td>CL 969</td>
<td>Contaminated Land Management</td>
<td>5</td>
</tr>
<tr>
<td>CL 972</td>
<td>Sustainability &amp; Strategic Environmental Assessment</td>
<td>5</td>
</tr>
<tr>
<td>CL 973</td>
<td>Independent Study in Collaboration with Industry</td>
<td>5</td>
</tr>
<tr>
<td>CL 974</td>
<td>Sustainable Transformation &amp; Accountability</td>
<td>5</td>
</tr>
<tr>
<td>DM 943</td>
<td>Sustainable Product Design and Manufacturing</td>
<td>5</td>
</tr>
<tr>
<td>EC 922</td>
<td>Principles of Economic Appraisal</td>
<td>5</td>
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<tr>
<td>EC 927</td>
<td>Environmental Economics</td>
<td>5</td>
</tr>
<tr>
<td>EV 905</td>
<td>Ecology, Biodiversity and Sustainability</td>
<td>5</td>
</tr>
<tr>
<td>EV 908</td>
<td>Pollution and Rehabilitation of Degraded Ecosystems</td>
<td></td>
</tr>
<tr>
<td>EV 939</td>
<td>Environmental Impact Assessment</td>
<td>5</td>
</tr>
<tr>
<td>HR 915</td>
<td>Business Systems</td>
<td>5</td>
</tr>
<tr>
<td>ME 922</td>
<td>Energy Resources and Policy</td>
<td>5</td>
</tr>
<tr>
<td>ME 929</td>
<td>Electrical Power Systems</td>
<td>5</td>
</tr>
<tr>
<td>ME 930</td>
<td>Energy Modelling and Monitoring</td>
<td>5</td>
</tr>
<tr>
<td>M 9850</td>
<td>International Environmental Law</td>
<td>5</td>
</tr>
<tr>
<td>M 929</td>
<td>UK and EU Environmental Law</td>
<td>5</td>
</tr>
<tr>
<td>NM 969</td>
<td>Renewable Marine Energy Systems</td>
<td>5</td>
</tr>
<tr>
<td>Z 933</td>
<td>Opportunity and Creativity</td>
<td>5</td>
</tr>
</tbody>
</table>

Exceptionally, such other classes totalling no more than 20 credits, as may be approved by the Course Director

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 930</td>
<td>Project in Environmental Entrepreneurship</td>
<td>5 60</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.44.25 Regulations 19.1.25 – 19.1.33 shall apply.

19.44.26 The final assessment will be based on performance in the examinations, coursework, the project where undertaken.
Award

**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 course curriculum including a project.

**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 classes of the course curriculum.

**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 classes of the course curriculum.

Environmental Forensics

**MSc in Environmental Forensics**
**Postgraduate Diploma in Environmental Forensics**
**Postgraduate Certificate in Environmental Forensics**

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission

Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study

Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

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

Place of Study

As permitted by Regulation 19.1.8, some off-campus work may be required.

Curriculum

All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits with at least 20 credits from the list of compulsory classes
for the Postgraduate Diploma – no fewer than 120 credits 80 credits of compulsory classes and 40 credits of optional classes
for the degree of MSc – no fewer than 180 credits including a project 80 credits of compulsory classes, 40 credits of optional classes and a 60 credits project
### Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 906</td>
<td>Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 954</td>
<td>Contaminated Land</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 960</td>
<td>Fundamentals of Environmental Forensics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 975</td>
<td>Environmental Chemistry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>FS 913</td>
<td>Fundamentals of Forensic Science</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 929</td>
<td>UK and EU Environmental Law</td>
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<td>10</td>
</tr>
</tbody>
</table>

### Optional Classes

No fewer than 40 credits chosen from:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 971</td>
<td>Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 904</td>
<td>Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 935</td>
<td>Hydrogeology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 947</td>
<td>Climate Change Mitigation and Adaptation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 948</td>
<td>Principles of Environmental Microbiology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 961</td>
<td>Geographical Information Systems (GIS)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 908</td>
<td>Pollution and Rehabilitation of Degraded Ecosystems</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Exceptionally, such other Level 5 classes totalling no more than 20 credits, as approved by the Course Director.

### Examination, Progress and Final Assessment

19.44.35 Regulations 19.1.25 – 19.1.33 shall apply.

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

### Award

19.44.37 **Degree of MSc:** In order to qualify for the degree of MSc in Environmental Forensics, a candidate must have accumulated no fewer than 180 credits and a project 80 credits compulsory classes, 40 credits optional classes and a 60 credits project.

19.44.38 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Environmental Forensics, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course: 80 credits compulsory classes and 40 credits optional classes.

19.44.39 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Environmental Forensics, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course, with at least 20 credits from the list of compulsory classes.

### Civil Engineering

**MSc in Civil Engineering**

**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
Postgraduate Diploma in Civil Engineering
Postgraduate Certificate in Civil Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.44.40 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in Science or Engineering; or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study

19.44.41 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.44.42 The courses are available by full-time and part-time study.

Curriculum

19.44.43 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught classes.
- for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes.
- for the degree of MSc – no fewer than 180 credits including the CL980 Project

Compulsory Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 509 Civil Engineering Design Projects</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>CL 931 Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Optional credits from List A</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

MSc Civil Engineering with Structural Engineering & Project Management

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 507 Ground Improvement and Reinforcement</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 509 Civil Engineering Design Projects</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>CL 510 Advanced Structural Analysis and Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931 Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 976 Prestressed Concrete, Composite Materials and Structural Stability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931 Project Management</td>
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</tbody>
</table>
### MSc Civil Engineering with Geotechnical Engineering & Project Management

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 507</td>
<td>Ground Improvement and Reinforcement</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 509</td>
<td>Civil Engineering Design Projects</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>CL 514</td>
<td>Rock Mechanics, Tunnelling and Groundwater</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 917</td>
<td>Slopes and Walls</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 509</td>
<td>Civil Engineering Design Projects</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>CL 904</td>
<td>Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 906</td>
<td>Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 954</td>
<td>Contaminated Land</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

### Optional Classes

<table>
<thead>
<tr>
<th>List A</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 502</td>
<td>Coastal Engineering and Modelling</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 507</td>
<td>Ground Improvement and Reinforcement</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 508</td>
<td>Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 510</td>
<td>Advanced Structural Analysis and Design</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 514</td>
<td>Rock Mechanics, Tunnelling and Groundwater</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 904</td>
<td>Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 906</td>
<td>Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 917</td>
<td>Slopes and Walls</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 922</td>
<td>Soil Modelling and Numerical Analysis</td>
<td>5</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>CL 935</td>
<td>Hydrogeology</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 951</td>
<td>Groundwater Flow Modelling</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 952</td>
<td>Aquifer Mechanics</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 954</td>
<td>Contaminated Land</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>NM 969</td>
<td>Renewable Marine Energy Systems</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List B</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 946</td>
<td>Global Water Policy</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 504</td>
<td>Financial Engineering</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 503</td>
<td>Strategic Construction Procurement</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 948</td>
<td>Principles of Environmental Microbiology</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 955</td>
<td>Environmental Management Systems</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 960</td>
<td>Fundamentals of Environmental Forensics</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 965</td>
<td>Science, Technology and Innovation Policy</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 970</td>
<td>Environmental Pollution Management</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 971</td>
<td>Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>CL 973</td>
<td>Independent Study in Collaboration with Industry</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
17 540  Transport Development and Sustainability  5  10
CL 961  Geographical Information Systems  5  10
EF 927  Design Management  5  10
EF 930  Information Management  5  10
EF 932  Risk Management  5  10
EV 908  Pollution and Rehabilitation of Degraded Ecosystems  5  10
EV 921  Water and Environment Management  5  10
EV 939  Environmental Impact Assessment  5  10

* Exceptionally, such other Level 5 classes totalling no more than 20 credits, as approved by the Course Director.

Students for the degree of MSc only:
CL 980 Project 5  60

Examination, Progress and Final Assessment
19. 44.44 Regulations 19.1.25 – 19.1.33 shall apply.
19. 44.45 The final assessment will be based on performance in the examinations, coursework and the CL980 project where undertaken.

Award
19. 44.46 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Civil Engineering, MSc in Civil Engineering with Structural Engineering & Project Management, MSc in Civil Engineering with Geotechnical Engineering & Project Management or MSc in Civil Engineering with Geoenvironmental 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 in the appropriate specialism, of which 60 must have been awarded in respect of the CL980 project.

19. 44.47 **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 classes of the course, including no fewer than 40 credits from the classes in List A.

19. 44.48 **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 classes of the course, including no fewer than 20 credits from the classes in List A.
Integrated Pollution Prevention and Control

Postgraduate Certificate in Integrated Pollution Prevention and Control

Course Regulations
[These regulations are to be read in conjunction with Regulations 19.1]

Admission

19.44.81 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or
(ii) a qualification deemed by the Course Director acting on behalf of the Senate to be equivalent to (i) above; or
(iii) an experienced professional working in the area of study deemed by the Course Director acting on behalf of the Senate to be the equivalent to (i) above.

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

Mode of Study

19.44.82 The course is available by full-time and part-time study.

Curriculum

19.44.83 All students shall undertake an approved curriculum as follows:

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 970</td>
<td>Environmental Pollution Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 904</td>
<td>Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 975</td>
<td>Environmental Chemistry</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 971</td>
<td>Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 954</td>
<td>Contaminated Land</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 955</td>
<td>Environmental Management Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 960</td>
<td>Fundamentals of Environmental Forensics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 905</td>
<td>Ecology, Biodiversity and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 908</td>
<td>Pollution and Rehabilitation of Degraded Ecosystems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 921</td>
<td>Water and Environment Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 939</td>
<td>Environmental Impact Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 978</td>
<td>Water &amp; Wastewater Treatment Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 973</td>
<td>Independent Study in Collaboration with Industry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 850</td>
<td>International Environmental Law</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Exceptionally, Level 5 classes up to a maximum of 20 credits chosen from classes offered by the Department of Civil and Environmental Engineering, as may be approved by the Course Director.

Examination, Progress and Final Assessment
Regulations 19.1.25 – 19.1.33 shall apply.

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

**Award**

19.44.86 **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 course curriculum.

19.44.87 to 19.44.90 (Numbers not used)

**Geoenvironmental Engineering**

**Postgraduate Certificate in Geoenvironmental Engineering**

**Course Regulations**

[These regulations are to be read in conjunction with Regulations 19.1]

**Admission**

19.44.91 Notwithstanding Regulation 19.1.1, applicants shall possess

(i) a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or

(ii) a qualification deemed by the Course Director acting on behalf of the Senate to be equivalent to (i) above; or

(iii) an experienced professional working in the area of study deemed by the Course Director acting on behalf of the Senate to be the equivalent to (i) above.

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

**Mode of Study**

19.44.93 The course is available by full-time and part-time study.

**Curriculum**

19.44.94 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 906 Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931 Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 954 Contaminated Land</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 935 Hydrogeology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 961 Geographical Information Systems (GIS)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 904 Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 951 Groundwater Flow Modelling</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 952 Aquifer Mechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 921 Water and Environmental Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
EV 939 Environmental Impact Assessment 5 10
Cl 978 Water & Wastewater Treatment Design 5 10
CL 973 Independent Study in Collaboration with Industry 5 10

Exceptionally, Level 5 classes up to a maximum of 20 credits chosen from classes offered by the Department of Civil and Environmental Engineering, as may be approved by the Course Director.

**Examination, Progress and Final Assessment**

19.44.95 Regulations 19.1.25 – 19.1.33 shall apply.
19.44.96 The final assessment will be based on performance in the examinations and, the coursework.

**Award**

19.44.97 **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 course curriculum.

19.44.98 to 19.44.100 Numbers not used

**Climate Change Adaption**

**Postgraduate Certificate in Climate Change Adaptation**

**Course Regulations**
[These regulations are to be read in conjunction with Regulations 19.1.]

**Admission**

19.44.101 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or
(ii) a qualification deemed by the Course Director acting on behalf of the Senate to be equivalent to (i) above; or
(iii) an experienced professional working in the area of study deemed by the Course Director acting on behalf of the Senate to be the equivalent to (i) above.

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

**Mode of Study**

19.44.103 The course is available by full-time and part-time study.

**Curriculum**

19.44.104 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 971</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 974</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Optional Classes
No fewer than 20 credits chosen from:

- CL 904 Waste Management and Landfill Design 5 10
- CL 906 Site Investigation and Risk Assessment 5 10
- CL 954 Contaminated Land 5 10
- CL 958 Recent Trends in Technological Progress 5 10
- CL 961 Geographical Information Systems (GIS) 5 10
- CL 973 Independent Study in Collaboration with Industry 5 10
- M9 850 International Environmental Law 5 10

Exceptionally, Level 5 classes up to a maximum of 20 credits chosen from classes offered by the Department of Civil and Environmental Engineering, as may be approved by the Course Director.

Examination, Progress and Final Assessment

19.44.105 Regulations 19.1.25 – 19.1.33 shall apply.
19.44.106 The final assessment will be based on performance in the examinations, and the coursework.

Award

19.44.107 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 course curriculum.

Geotechnics

MSc in Geotechnics
Postgraduate Diploma in Geotechnics
Postgraduate Certificate in Geotechnics

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

This course is offered jointly by the University of Strathclyde and the University of Glasgow and the awards are made in the name of both universities. The regulations are drawn up consequent upon a Memorandum of Agreement which has been approved by the Senate. The administering university is the University of Strathclyde.

Admission

19.44.111 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or upper second class Honours degree from a United Kingdom university in engineering, earth science, physics or mathematics; or
(ii) a qualification deemed by the Course Director acting on behalf of the Senate to be equivalent to (i) above; or
(iii) an experienced professional working in the area of study deemed by the Course Director acting on behalf of the Senate to be the equivalent to (i) above.

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**

19.44.112 Regulations 19.1.5 and 19.1.6 shall apply.

**Nature of Study**

19.44.113 The courses are available by full-time and part-time study.

**Curriculum**

19.44.114 Notwithstanding Regulation 19.1.12 all students shall undertake a curriculum as follows:

1. for the Postgraduate Certificate – no fewer than 60 credits chosen from the list of compulsory classes
2. for the Postgraduate Diploma – no fewer than 120 credits: 110 credits compulsory and 10 credits of optional classes.
3. for the degree of MSc – no fewer than 180 credits: including a project 110 credits of compulsory classes, 10 credits of optional classes, and a 60 credits project

<table>
<thead>
<tr>
<th>Compulsory Classes*</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 501 Foundation Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 906 Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 917 Slopes and Walls</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 920 Introduction to Geotechnics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CL 922 Soil Modelling and Numerical Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CL 923 Rock Mechanics, Tunnelling and Groundwater</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CL 924 Geotechnical Design Project</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fewer than 10 credits chosen from:</td>
</tr>
<tr>
<td>CL 507 Ground Improvement and Reinforcement</td>
</tr>
<tr>
<td>CL 954 Contaminated Land</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

| CL 925 Project (Geotechnics) | 5 | 60 |

* At the discretion of the Course Director, students submitting evidence of appropriate academic attainment may be permitted to substitute classes amounting to no more than 20 credits for any of the above classes.

**Examination, Progress and Final Assessment**

19.44.115 Regulations 19.1.25 – 19.1.33 shall apply.

19.44.116 The final assessment will be based on performance in the examinations, coursework, and the dissertation project where undertaken.

**Award**
Degree of MSc: In order to qualify for the award of the degree of MSc in Geotechnics, a candidate must have accumulated no fewer than 180 credits from the course curriculum and a Project.

Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Geotechnics, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Geotechnics, a candidate must have accumulated no fewer than 60 credits from the course curriculum.

Global Water Sustainability

MSc in Global Water Sustainability
Postgraduate Diploma in Global Water Sustainability
Postgraduate Certificate in Global Water Sustainability

[The General Regulations for Taught Masters Degrees, Postgraduate Diplomas and Postgraduate Certificates (see Regulation 19.1) of the University of Strathclyde shall not apply, except with the agreement of the University of Glasgow.]

This course is offered jointly by the University of Strathclyde and the University of Glasgow and the awards are made in the name of the two universities. The Regulations are drawn up consequent upon a Memorandum of Agreement which has been approved by Senate.

The taught component of the programmes may be delivered at both university campuses. Students shall be subject to the Course Regulations that have been adopted by the two Universities and to any other General Regulations, etc. of the University at which they are studying.

For the current academic year, the administering University is the University of Glasgow and full details of Course Regulations applicable are shown in that University’s Calendar.

Water Resource Management

Postgraduate Diploma in Water Resource Management
Postgraduate Certificate in Water Resource Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission
Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree from a United Kingdom university (in an appropriate discipline); or
(ii) a qualification deemed by the Course 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 competence.

**Duration of Study**

19.44.132 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

19.44.133 The courses are available by full-time and by part-time study.

**Place of Study**

19.44.134 The course is taught off-campus by University of Strathclyde staff.

**Curriculum**

19.44.135 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits including at least 12 from each of Lists A and B and 20 from List C
- for the Postgraduate Diploma – no fewer than 120 credits

**List A**

- GB 805 Effective Project Management 5 6
- GB 806 Effective Teamwork 5 6
- GB 812 International Accounting and Finance 5 6
- GB 814 International Human Resource Management 5 6
- GB 816 Leadership 5 6
- GB 831 Procurement Management 5 6

Exceptionally, such other classes as may be approved by the Course Director.

**List B**

- EF 908 Information Management 5 12
- EF 910 Risk Management 5 12
- EF 912 Environmental Impact and Sustainability 5 12

**List C**

- CP 902 Water Pollution Control Technology 5 12
- CL 937 Hydrogeology for Water Resources 5 20
- CL 938 Chemistry for Water Resources Management 5 20

**Examination, Progress and Final Assessment**

19.44.136 Regulations 19.1.25 – 19.1.33 shall apply.

19.44.137 The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

**Award**

19.44.138 **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Water Resource Management, a candidate must
have accumulated no fewer than 120 credits from the taught classes of the course.

19.44.139 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Water Resource Management, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course, including at least 20 from List C.

19.44.140 to 19.44.200 (Numbers not used.)

### Environmental Health

**MSc in Environmental Health**

**Postgraduate Diploma in Environmental Health**

**Postgraduate Certificate in Environmental Health**

#### Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

#### Admission

19.44.201 Regulations 19.1.1 and 19.1.2 shall apply.

#### Duration of Study

19.44.202 Regulations 19.1.5 and 19.1.6 shall apply.

#### Mode of Study

19.44.203 The course is available by full-time and part-time study.

#### Curriculum

19.44.204 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits chosen from the list of compulsory classes
- for the Postgraduate Diploma – no fewer than 120 credits, 110 credits of compulsory classes and 10 credits of optional classes.
- for the degree of MSc – no fewer than 180 credits, 110 credits of compulsory classes, 10 credits of optional classes, and a 60 credits project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 468 Acoustics</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>CL 414 Meat Hygiene and Inspection</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>CL 904 Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 908 Food Inspection and Control</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 909 Food Safety and Hygiene</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 911 Introduction to Health &amp; Safety</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 912 Occupational Health and Toxicology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 913 Public Health Studies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 914 Infection and Vector Control</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 969 Contaminated Land Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 971 Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Optional Classes
No fewer than 10 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 905</td>
<td>Research Methodology &amp; Techniques</td>
<td>5</td>
</tr>
<tr>
<td>CL 906</td>
<td>Site Investigation and Risk Assessment</td>
<td>5</td>
</tr>
<tr>
<td>CL 910</td>
<td>Housing Policy and Law</td>
<td>5</td>
</tr>
<tr>
<td>CL 916</td>
<td>Environmental Impact &amp; Assessment</td>
<td>5</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science &amp; Engineering</td>
<td>5</td>
</tr>
<tr>
<td>CL 947</td>
<td>Climate Change Mitigation and Adaptation</td>
<td>5</td>
</tr>
<tr>
<td>CL 948</td>
<td>Principles of Environmental Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>EV 921</td>
<td>Water and Environmental Management</td>
<td>5</td>
</tr>
<tr>
<td>CL 970</td>
<td>Environmental Pollution Management</td>
<td>5</td>
</tr>
</tbody>
</table>

1. Exceptionally, such other Level 5 classes totalling no more than 20 credits as approved by the Course Director.

2. Students wishing to subsequently undergo professional training overseen by the Royal Environmental Health Institute of Scotland (REHIS) to attain the REHIS Diploma in Environmental Health required to practice as an Environmental Health Officer in Scotland may require to follow particular class choices approved by REHIS and published in the annual Course Handbook.

Students for the Degree of MSc only

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 900</td>
<td>Project</td>
<td>5</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.44.205 Regulations 19.1.25 – 19.1.33 shall apply.
19.44.206 The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

Award

19.44.207 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 course curriculum and a 60 credits Project.

19.44.208 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 classes of the course curriculum.

19.44.209 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 classes of the course curriculum.

19.44.210 (Number not used)
Sustainability and Environmental Studies

MSc in Sustainability and Environmental Studies
Postgraduate Diploma in Sustainability and Environmental Studies
Postgraduate Certificate in Sustainability and Environmental Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.44.211 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in any discipline; or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study
19.44.212 Regulations 19.1.5 and 19.1.6 shall apply

Mode of Study
19.44.213 The courses are available by full-time and part-time study.

Curriculum
19.44.214 Notwithstanding Regulation 19.1.12, all students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits with at least 20 credits from the list of compulsory classes.
for the Postgraduate Diploma – no fewer than 120 credits 40 credits of compulsory classes and 80 credits of optional classes
for the degree of MSc – no fewer than 180 credits including a project: 40 credits of compulsory classes, 80 credits of optional classes, and a 60 credits project

Compulsory Classes
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 972</td>
<td>Sustainability &amp; Strategic Environmental Assessment</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CL 957</td>
<td>Qualitative and Quantitative Research Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 913</td>
<td>International Environmental Policy</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 80 credits chosen from:
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 540</td>
<td>Transport, Development and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 970</td>
<td>Environmental Pollution Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 971</td>
<td>Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 904</td>
<td>Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 918</td>
<td>Learning for our Future: Sustainable Development Education</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 948</td>
<td>Principles of Environmental Microbiology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Students for the degree of MSc only:

EV 940 Project 5 60

Examination, Progress and Final Assessment

19.44.215 Regulations 19.1.25 – 19.1.33 shall apply.

19.44.216 The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

Award

19.44.217 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.

19.44.218 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 classes of the course curriculum.

19.44.219 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 classes of the course curriculum.

19.44.220 (Number not used)

Science, Technology and Sustainability
Postgraduate Diploma in Science, Technology and Sustainability
Postgraduate Certificate in Science, Technology and Sustainability

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.44.221 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.44.222 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.44.223 The courses are available by full-time and part-time study.

Curriculum
19.44.224 Notwithstanding Regulation 19.1.12, all students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 978</td>
<td>Science, Technology and Innovation Policy</td>
<td>5</td>
</tr>
<tr>
<td>EV 929</td>
<td>Principles of Sustainable Development</td>
<td>5</td>
</tr>
<tr>
<td>EV 956</td>
<td>International Environmental Policy</td>
<td>5</td>
</tr>
<tr>
<td>EV 958</td>
<td>Research Methods and Participatory Approaches</td>
<td>5</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 72 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 915</td>
<td>Energy Resources and Policy</td>
<td>5</td>
</tr>
<tr>
<td>17 535</td>
<td>Recycling Urban Land</td>
<td>5</td>
</tr>
<tr>
<td>17 540</td>
<td>Transport, Development and Sustainability</td>
<td>5</td>
</tr>
<tr>
<td>17 967</td>
<td>Disaster Management</td>
<td>5</td>
</tr>
<tr>
<td>17 969</td>
<td>Globalisation and International Technology Markets</td>
<td>5</td>
</tr>
<tr>
<td>17 970</td>
<td>Recent Trends in Technological Progress</td>
<td>5</td>
</tr>
<tr>
<td>17 987</td>
<td>Development and Management of Technology</td>
<td>5</td>
</tr>
<tr>
<td>31 911</td>
<td>Pollution Control Policy</td>
<td>5</td>
</tr>
<tr>
<td>31 966</td>
<td>Environmental Economics</td>
<td>5</td>
</tr>
<tr>
<td>BB 935</td>
<td>Biotechnology and the Environment</td>
<td>5</td>
</tr>
<tr>
<td>CL 947</td>
<td>Climate Change and Mitigation and Adaptation</td>
<td>5</td>
</tr>
<tr>
<td>EV 905</td>
<td>Ecology, Biodiversity and Sustainability</td>
<td>5</td>
</tr>
<tr>
<td>EV 934</td>
<td>Environmental Management Systems</td>
<td>5</td>
</tr>
<tr>
<td>EV 938</td>
<td>Applied Strategic Environmental Assessment</td>
<td>5</td>
</tr>
<tr>
<td>EV 939</td>
<td>Environmental Impact Assessment</td>
<td>5</td>
</tr>
<tr>
<td>EV 959</td>
<td>Spatial Query and Analysis using GIS</td>
<td>5</td>
</tr>
<tr>
<td>LS 929</td>
<td>UK and EU Environmental Law</td>
<td>5</td>
</tr>
</tbody>
</table>

Such other Level 5 classes as may be approved by the Course Director

Examination, Progress and Final Assessment
19.44.225 Regulations 19.1.25 – 19.1.33 shall apply.
The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

**Award**

**Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Science, Technology and Sustainability, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

**Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Science, Technology and Sustainability, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

Environmental Science

**MSc in Environmental Science**

**Postgraduate Diploma in Environmental Science**

**Postgraduate Certificate in Environmental Science**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

Notwithstanding Regulation 19.1.1, applicants shall possess

(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university (in an appropriate discipline); or

(ii) a qualification deemed by the Course 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 competence.

**Duration of Study**

Regulations 19.1.5 and 19.1.6 shall apply

**Mode of Study**

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

**Place of Study**

All classes are taught at the University of Strathclyde.

**Curriculum**

All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits with at least 20 credits from the list of compulsory classes

for the Postgraduate Diploma – no fewer than 120 credits: 70 credits of compulsory classes and 50 credits of optional classes
for the degree of MSc – no fewer than 180 credits: 70 credits of compulsory classes, 50 credits of optional classes and a 60 credits project.

### Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 970</td>
<td>Environmental Pollution Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 971</td>
<td>Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 948</td>
<td>Principles of Environmental Microbiology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 975</td>
<td>Environmental Chemistry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 921</td>
<td>Water Environment Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 905</td>
<td>Ecology Biodiversity and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 908</td>
<td>Pollution and Rehabilitation of Degraded Ecosystems</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

### Optional Classes

No fewer than 50 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 960</td>
<td>Fundamentals of Environmental Forensics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 947</td>
<td>Climate Change Mitigation and Adaptation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 905</td>
<td>Ecology, Biodiversity and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 908</td>
<td>Pollution and Rehabilitation of Degraded Ecosystems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 964</td>
<td>Principles of Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 955</td>
<td>Environmental Management Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 966</td>
<td>Environmental Impact Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 961</td>
<td>Geographical Information Systems (GIS)</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Exceptionally, such other Level 5 classes totalling no more than 20 credits, as approved by the Course Director.

### Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV 962</td>
<td>Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

### Examination, Progress and Final Assessment

19.44.236 Regulations 19.1.25 – 19.1.33 shall apply.
19.44.237 The final assessment will be based on performance in the examinations, coursework and the project where undertaken.

### Award

19.44.238 **Degree of MSc:** In order to qualify for the degree of MSc in Environmental Science, a candidate must have accumulated no fewer than 180 credits from the course curriculum and a 60 credits project.

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

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

MSc in Hydrogeology
Postgraduate Diploma in Hydrogeology
Postgraduate Certificate in Hydrogeology

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.44.241 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university (in an appropriate discipline); or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study
19.44.242 Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study
19.44.243 The courses are available by full-time and part-time study.

Place of Study
19.44.244 As permitted by Regulation 19.1.7, there may be some off-campus work required.

Curriculum
19.44.245 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits with at least 20 credits from the list of compulsory classes
for the Postgraduate Diploma – no fewer than 120 credits 80 credits of compulsory classes and 40 credits of optional classes
for the degree of MSc – no fewer than 180 credits 80 credits of compulsory classes, 40 credits of optional classes, and a 60 credits dissertation

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 906</td>
<td>Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 935</td>
<td>Hydrogeology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 946</td>
<td>Global Water Policy</td>
<td>5</td>
<td>10</td>
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<tr>
<td>CL 952</td>
<td>Aquifer Mechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 951</td>
<td>Groundwater Flow Modelling</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 954</td>
<td>Contaminated Land</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 975</td>
<td>Environmental Chemistry</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Optional Classes
No fewer than 40 credits chosen from:

- CL 904 Waste Management and Landfill Design 5 10
- CL 948 Principles of Environmental Microbiology 5 10
- CL 972 Sustainability & Strategic Environmental Assessment 5 20
- CL 960 Fundamentals of Environmental Forensics 5 10
- CL 961 Geographical Information Systems (GIS) 5 10
- CL 964 Principles of Sustainability 5 10
- EC 927 Environmental Economics 5 10
- EC 913 International Environmental Policy 5 10
- EC 928 Energy Economics 5 10
- EF 939 Environmental Impact Assessment 5 10
- EV 905 Ecology, Biodiversity and Sustainability 5 10
- EV 908 Pollution and Rehabilitation of Degraded Ecosystems 5 10
- EV 921 Water and Environmental Management 5 10
- M9 929 UK and EU Environmental Law 5 10
- CL 973 Independent Study in Collaboration with Industry 5 10
- M9 850 International Environmental Law 5 10

Exceptionally, such other Level 5 classes totalling no more than 20 credits, as approved by the Course Director.

Students for the degree of MSc only:
- CL 953 Dissertation in Hydrogeology 5 60

Examination, Progress and Final Assessment

19.44.246 Regulations 19.1.25 – 19.1.33 shall apply.
19.44.247 The final assessment will be based on performance in the examinations, coursework and, the Dissertation where undertaken

Award

19.44.247 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 course curriculum and a 60 credits dissertation.

19.44.248 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 classes of the course curriculum.

19.44.249 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 classes of the course curriculum.

19.44.250 (Number not used)

Department of Civil and Environmental Engineering via Open Access

Postgraduate Programme in Civil and Environmental Engineering via Open Access
Postgraduate courses offered within the Postgraduate Programme in Civil and Environmental Engineering via Open Access where award of qualifications depends upon the pursuance of a named pathway.

**MSc, Postgraduate Diploma and Postgraduate Certificate in:**

- Environmental Engineering (Open Access)
- Environmental Entrepreneurship (Open Access)
- Environmental Health (Open Access)
- Hydrogeology (Open Access)
- Sustainability and Environmental Studies (Open Access)

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.44.251 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

**Mode of Study**

19.44.252 The courses are available via Open Access.

**Duration of Study**

19.44.253 Regulations 19.1.5 and 19.1.6 shall apply.

**Place of Study**

19.44.254 As permitted by Regulation 19.1.8, some off-campus work may be required.

**Curriculum**

19.44.255 The following distinct pathways are named postgraduate awards in Civil and Environmental Engineering:

- Environmental Engineering (Open Access)
- Environmental Entrepreneurship (Open Access)
- Environmental Health (Open Access)
- Hydrogeology (Open Access)
- Sustainability and Environmental Studies (Open Access)

All students shall undertake an approved curriculum as follows:

- for the **Postgraduate Certificate** – no fewer than 60 credits with at least 20 credits from the list of compulsory classes.
- for the **Postgraduate Diploma** – no fewer than 120 credits.
- for the **degree of MSc** – no fewer than 180 credits including a project.

**All students shall undertake the following compulsory class:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 968</td>
<td>Open Access Residential Research Class</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

**Environmental Engineering (Open Access)**

Compulsory Classes

<p>| Level | Credits |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 904</td>
<td>Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 906</td>
<td>Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 948</td>
<td>Principles of Environmental Microbiology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 975</td>
<td>Environmental Chemistry</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes*  
No fewer than 70 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
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<tr>
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<td>Air Pollution, Climate Change and Human Health</td>
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<td>CL 954</td>
<td>Contaminated Land</td>
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<td>Environmental Impact Assessment</td>
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<td>EV 905</td>
<td>Ecology, Biodiversity and Sustainability</td>
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<td>UK and EU Environmental Law</td>
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<td>CL 956</td>
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Environmental Entrepreneurship (Open Access)

Compulsory Classes

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<td>Z1 931</td>
<td>Entrepreneurship, Innovation and Commercialization</td>
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<td>Z1 938</td>
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Optional Classes*  
No fewer than 70 credits chosen from:

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<td>Climate Change Mitigation and Adaptation</td>
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<td>UK and EU Environmental Law</td>
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<td>Pollution and Rehabilitation of Degraded Ecosystems</td>
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<td>CL 956</td>
<td>Environmental Business Strategy</td>
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<td>CL 964</td>
<td>Principles of sustainability</td>
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<td>CL 958</td>
<td>Recent Trends in Technological Progress</td>
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<td>CL 973</td>
<td>Independent Study in Collaboration with Industry</td>
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<td>EC927</td>
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### Environmental Health (Open Access)

#### Compulsory Classes
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<td>Food Safety and Hygiene</td>
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<td>Introduction to Health &amp; Safety</td>
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<td>CL912</td>
<td>Occupational Health and Toxicology</td>
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<td>CL971</td>
<td>Air Pollution, Climate Change and Human Health</td>
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### Hydrogeology (Open Access)

#### Compulsory Classes
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<td>Hydrogeology</td>
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<td>Aquifer Mechanics</td>
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<td>CL951</td>
<td>Groundwater Flow Modelling</td>
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#### Optional Classes*

No fewer than 40 credits chosen from:

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<td>Environmental Impact Assessment</td>
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<td>Ecology, Biodiversity and Sustainability</td>
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<td>Water and Environment Management</td>
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<td>17 540</td>
<td>Transport, Development and Sustainability</td>
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<td>Recent Trends in Technological Progress</td>
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<td>Independent Study in Collaboration with Industry</td>
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* Such other Level 5 optional classes as may be approved by the Course Director

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

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<tbody>
<tr>
<td>EV 940</td>
<td>Project</td>
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**Examination, Progress and Final Assessment**

Regulation 19.1.19 shall apply.

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

**Award**
19.44.258 **Degree of MSc:** In order to qualify for the award of the degree of MSc in a 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 Individual Project.

19.44.259 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in a named pathway, a candidate must have accumulated no fewer than 120 credits.

19.44.260 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in a named pathway, a candidate must have accumulated no fewer than 60 credits, with at least 20 credits from the list of compulsory classes.

19.44.261 to 19.44.279 (numbers not used)

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**Civil Engineering**

**MSc in Civil Engineering with Industrial Placement**

**MSc in Civil Engineering with Industrial Placement (Structural Engineering & Project Management)**

**MSc in Civil Engineering with Industrial Placement (Geotechnical Engineering & Project Management)**

**MSc in Civil Engineering with Industrial Placement (Geoenvironmental Engineering & Project Management)**

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**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.44.280 Notwithstanding Regulation 19.1.1, applicants shall possess

(i) a degree (or in the case of direct entry to the degree of MSc, a first or upper second class Honours degree) from a United Kingdom university in Science or Engineering; or

(ii) a qualification deemed by the Course 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 competence.

**Duration of Study**

19.44.281 18 months starting from January and ending in June the following year.

**Mode of Study**

19.44.282 The courses are available by full-time study only.

**Curriculum**

19.44.283 All students shall undertake an approved curriculum as follows:
for the degree of MSc – no fewer than 210 credits including the CL980 Project and CL 983 Industrial Placement

<table>
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<tr>
<th>Compulsory Classes</th>
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<th>Credits</th>
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<td>CL 931 Research Protocols for Science &amp; Engineering</td>
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<tr>
<td>CL 983 Industrial Placement</td>
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**MSc Civil Engineering with Industrial Placement**

Optional credits from List A

5  40

**MSc Civil Engineering with Industrial Placement (Structural Engineering & Project Management)**

CL 507 Ground Improvement and Reinforcement 5  10
CL 510 Advanced Structural Analysis and Design 5  10
CL 976 Prestressed Concrete, Composite Materials and Structural Stability 5  10
EF 931 Project Management 5  10

**MSc Civil Engineering with Industrial Placement (Geotechnical Engineering & Project Management)**

CL 507 Ground Improvement and Reinforcement 5  10
CL 514 Rock Mechanics, Tunnelling and Groundwater 5  10
CL 917 Slopes and Walls 5  10
EF 931 Project Management 5  10

**MSc Civil Engineering with Industrial Placement (Geoenvironmental Engineering & Project Management)**

CL 904 Waste Management and Landfill Design 5  10
CL 906 Site Investigation and Risk Assessment 5  10
CL 954 Contaminated Land 5  10
EF 931 Project Management 5  10

Optional Classes

<table>
<thead>
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* Exceptionally, such other Level 5 classes totalling no more than 20 credits, as approved by the Course Director.

Students for the degree of MSc only:
CL 980 Project                              5       60

**Examination, Progress and Final Assessment**

19. 44.284 Regulations 19.1.25 – 19.1.33 shall apply.
19. 44.285 The final assessment will be based on performance in the examinations, coursework and the CL980 project and CL 983 Industrial Placement where undertaken.

**Award**

19. 44.286 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Civil Engineering with Industrial Placement, MSc in Civil Engineering with Industrial Placement (Structural Engineering & Project Management), MSc in Civil Engineering with Industrial Placement (Geotechnical Engineering & Project Management) or MSc in Civil Engineering with Industrial Placement (Geoenvironmental Engineering & Project Management), a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 210 credits in the appropriate specialism, of which 90 must have been awarded in respect of the CL 983 Industrial Placement CL980 project.

**Transfer**
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 Civil Engineering programme described in Regulations 19.44.46 to 19.44.48.

19.44.288 to
19.44.300 (numbers not used)

19.45 Department of Design, Manufacture and Engineering Management

Computer Aided Engineering Design

MSc in Computer Aided Engineering Design
Postgraduate Diploma in Computer Aided Engineering Design
Postgraduate Certificate in Computer Aided Engineering Design

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.45.1 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

Duration of Study
19.45.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.45.3 The courses are available by full-time and part-time study and by distance learning.

Curriculum
19.45.4 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits from the list of taught compulsory classes
- for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes
- for the degree of MSc – no fewer than 180 credits including the DM932 project

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

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 923 Product Modelling and Visualisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 925 Systems Integration</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 929 CAED Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 931 Postgraduate Group Project</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>EF 927 Design Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Optional Classes

No fewer than 40 credits chosen from:

| Course Code | Course Title               | Credits | Credits
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 924</td>
<td>Product Design Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>DM 934</td>
<td>Design Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930</td>
<td>Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 932</td>
<td>Postgraduate Individual Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director.
Examination, Progress and Final Assessment

19.45.5 Regulations 19.1.25 – 19.1.33 shall apply.

19.45.6 The final assessment will be based on performance in the examinations, coursework, the Postgraduate Individual Project where undertaken and, if required, in an oral examination.

Award

19.45.7 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Computer Aided Engineering 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 Postgraduate Individual Project.

19.45.8 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Computer Aided Engineering Design, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

19.45.9 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Computer Aided Engineering Design, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.45.10 to 19.45.120 (Numbers not used)

**Mechatronics and Automation**

**MSc in Mechatronics and Automation**
**Postgraduate Diploma in Mechatronics and Automation**
**Postgraduate Certificate in Mechatronics and Automation**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.45.121 Regulations 19.1.1 and 19.1.2 shall apply.

**Duration of Study**

19.45.122 Regulations 19.1.5 and 19.1.6 shall apply.

**Place of Study**

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

**Mode of Study**

19.45.124 The courses may be available by full-time or part-time study.

**Curriculum**

**Curriculum**
All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught classes.
- for the Postgraduate Diploma – no fewer than 120 credits from the lists of taught classes.
- for the degree of MSc – no fewer than 180 credits including the DM932 project.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 942 Manufacturing Automation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 924 Product Design Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>DM 923 Product Modelling and Visualisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 931 Postgraduate Group Project</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>EF 931 Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 30 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 925 Systems Integration</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 934 Design Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 972 Control Principles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 982 Control Techniques</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Degree of MSc only
DM 932 Postgraduate Individual Project 5 60

Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Coordinator.

Examination, Progress and Final Assessment

Regulations 19.1.25 – 19.1.33 shall apply.

The final assessment will be based on performance in the examinations, coursework, the Postgraduate Individual Project where undertaken and, if required, in an oral examination.

Award

Degree of MSc: In order to qualify for the award of the degree of MSc in Mechatronics and Automation, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Postgraduate Individual.

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 course curriculum.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Mechatronics and Automation, a candidate must have accumulated no fewer than 60 credits from the taught class of the course.

Digital Creativity
MSc in Digital Creativity
Postgraduate Diploma in Digital Creativity
Postgraduate Certificate in Digital Creativity

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.45.161 Notwithstanding Regulation 19.1.1, successful applicants shall
(i) possess a first or second class Honours degree in an Engineering
Design-related, Science or Technology subject; or
(ii) a qualification deemed by the Course Director acting on behalf of the
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
19.45.162 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.45.163 The courses are available by full-time or part-time study.

Curriculum
19.45.164 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the
lists of taught classes.
for the Postgraduate Diploma – no fewer than 120 credits from the
lists of taught classes.
for the degree of MSc – no fewer than 180 credits including the
DM932 project.

Compulsory Classes    Level  Credits
AB977  Digital Media  5  10
AB976  VR and Rapid Prototyping  5  10
DM 923  Product Modelling and Visualisation  5  10
DM 931  Postgraduate Group Project  5  40
EF 930  Information Management  5  10
DM 924  Product Design Techniques  5  20
DM 929  CAED Systems  5  10
DM934  Design Methods  5  10

Students for the degree of MSc only:
DM 932  Postgraduate Individual Project  5  60

Exceptionally, such other classes totalling no more than 20
credits, as approved by the Course Coordinator.

Examination, Progress and Final Assessment
19.45.166 Notwithstanding Regulation 19.1.30, candidates who fail to satisfy the Board
of Examiners in any taught class shall, at the discretion of the Board of
Examiners, be permitted one further attempt to pass the relevant class(es) at the earliest opportunity and no longer than two years after the initial attempt.

The final assessment will be based on performance in the examinations, coursework, the Postgraduate Individual Project where undertaken and, if required, in an oral examination.

**Award**

**Degree of MSc:** In order to qualify for the award of the degree of MSc in Digital Creativity, 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.

**Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Digital Creativity, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

**Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Digital Creativity, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

**Operations Management in Engineering**

**MSc in Operations Management in Engineering**
**Postgraduate Diploma in Operations Management in Engineering**
**Postgraduate Certificate in Operations Management in Engineering**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

Regulations 19.1.1 and 19.1.2 shall apply

**Duration of Study**

Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

The courses are available by full-time or part-time study.

**Curriculum**

**Curriculum**

All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught classes.
- for the Postgraduate Diploma – no fewer than 120 credits from the lists of taught classes.
- for the degree of MSc – no fewer than 180 credits including the DM932 project.

**Compulsory Classes**

| Level | Credits |
AB 975  Sustainability  5  10
DM 918  People, Organisation and Technology  5  10
DM 920  Strategic Technology Management  5  10
DM 931  Postgraduate Group Project  5  40
DM 933  Engineering Risk Management  5  10
DM 935  Management of Total Quality and Continuous Improvement  5  10
MS 969  Advanced Project Management  5  10

Optional Classes
No fewer than 20 credits chosen from:
DM 926  Supply Chain Operations  5  10
DM 941  Fundamentals of Lean Six Sigma  5  10
DM 945  Systems Thinking and Modelling  5  10
Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Co-ordinator.

Students for the degree of MSc only:
DM 932  Postgraduate Individual Project  5  60

Examination, Progress and Final Assessment
19.45.195 Regulations 19.1.25 – 19.1.33 shall apply.
19.45.196 The final assessment will be based on performance in the examinations, coursework, and the Individual Project where undertaken.

Award
19.45.197 Degree of MSc: In order to qualify for the award of the degree of MSc in Operations Management in 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 Postgraduate Individual Project.
19.45.198 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Operations Management in Engineering a candidate must have accumulated no fewer than 120 credits from the course curriculum.
19.45.199 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Operations Management in Engineering a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
19.45.200 (Number not used).
Systems Engineering

MSc in Systems Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19 and 19.1]

The course is offered through the Systems Engineering Doctorate Centre, a collaboration involving the University of Strathclyde, the Universities of Bath, Leicester, Loughborough and Queen’s University Belfast. 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
19.45.201 Students will normally have been admitted in the first instance to the degree of EngD in Systems Engineering.

Duration of Study
19.45.202 Regulations 19.1.5 and 19.1.6 shall apply.

Nature of Study
19.45.203 The course is available by full-time study only.

Curriculum
19.45.204 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>56 961</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>56 962</td>
<td>5</td>
<td>50</td>
</tr>
<tr>
<td>56 963</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

* delivered at Loughborough University
** delivered at the University of Bath

Optional Classes
No fewer than 30 credits chosen from the optional classes listed in Regulation 20.45.4

Examination, Progress and Final Assessment
19.45.205 Regulations 19.1.25 – 19.1.33 shall apply.
19.45.206 The final assessment will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

Award
19.45.207 Degree of MSc: In order to qualify for the award of the degree of MSc in Systems Engineering, 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 Dissertation.

19.45.208 to 19.45.210 (Numbers not used)
Supply Chain Management Programme (UK)

MSc in Supply Chain and Operations Management
Postgraduate Diploma in Supply Chain and Operations Management
Postgraduate Certificate in Supply Chain and Operations Management

MSc in Supply Chain and Logistics Management
Postgraduate Diploma in Supply Chain and Logistics Management
Postgraduate Certificate in Supply Chain and Logistics Management

MSc in Supply Chain and Procurement Management
Postgraduate Diploma in Supply Chain and Procurement Management
Postgraduate Certificate in Supply Chain and Procurement Management

Course Regulations
[These regulations are to be read in conjunction with General Regulation 19.1]

Admission
19.45.211 Regulation 19.1.1 shall apply

Mode of Study
19.45.212 The courses are available by full-time or part-time study.

Place of Study
19.45.213 The courses are taught at the University of Strathclyde and also off-campus by University of Strathclyde staff at overseas locations.

Curriculum
19.45.214 All students shall undertake an approved curriculum as follows:

Students will have the option of choosing a specialism from three options: Operations Management, Procurement Management and Logistics Management that will lead to the corresponding award.

for the Postgraduate Certificate – no fewer than 60 credits must be completed with at least 10 credits from the chosen specialism.

for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes and all the specialist classes from the chosen specialism.

for the degree of MSc – no fewer than 180 credits including all the compulsory classes and all the specialist from the chosen specialism, including a 10 credit option, plus the DM932 project.

Students are required to take all core classes and all compulsory classes relevant to their chosen stream.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Level</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>DM 927</td>
<td>Strategic Supply Chain Management</td>
<td></td>
</tr>
<tr>
<td>DM 926</td>
<td>Supply Chain Operations</td>
<td></td>
</tr>
<tr>
<td>DM 928</td>
<td>Enterprise Resource Planning</td>
<td></td>
</tr>
<tr>
<td>DM 935</td>
<td>Management of Total Quality and Continuous Improvement</td>
<td></td>
</tr>
<tr>
<td>DM 944</td>
<td>Product Costing and Financial Management</td>
<td></td>
</tr>
<tr>
<td>MS 969</td>
<td>Advanced Project Management</td>
<td></td>
</tr>
<tr>
<td>MS 971</td>
<td>Business, Operations and Supply Chain Strategy</td>
<td></td>
</tr>
<tr>
<td>MS 970</td>
<td>Case Studies in Supply Chain Management</td>
<td></td>
</tr>
</tbody>
</table>

Together with classes appropriate to the chosen specialism:

**Operations Management specialism**
- DM 941 Fundamentals of Lean Six Sigma 5 10
- MS 957 Service Operations Management 5 10
  - Optional Class 5 10

**Logistics Management specialism**
- DM 982 Logistics 5 10
- MS 924 Spreadsheet Modelling and Demand Forecasting 5 10
  - Optional Class 5 10

**Procurement Management specialism**
- BF 956 Organisational Buying Behaviour and Structures 5 10
- BF 982 Strategic Procurement Management 5 10
  - Optional Class 5 10

Students for the degree of MSc only:
- DM 932 Postgraduate Individual Project 5 60

**Optional Classes**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 918</td>
<td>People, Organisation and Technology</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>DM 920</td>
<td>Strategic Technology Management</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>DM 934</td>
<td>Design Methods</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>DM 945</td>
<td>Systems Thinking and Modelling</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>MS 922</td>
<td>Quantitative Business Analysis</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>MS 924</td>
<td>Spreadsheet Modelling and Demand Forecasting</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>MS 926</td>
<td>Business Simulation Methods</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>MS 927</td>
<td>Risk Analysis and Management</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>MS 929</td>
<td>Performance Measurement and Management</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director.
Examination, Progress and Final Assessment

19.45.216 The final assessment will be based on performance in the examinations, coursework, the Individual Project where undertaken and, if required, in an oral examination.

Award

19.45.217 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Supply Chain and Operations Management and in Supply Chain and Logistics Management and in Supply Chain and Procurement 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.

19.45.218 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Supply Chain and Operations Management and in Supply Chain and Logistics Management and in Supply Chain and Procurement Management, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.45.219 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Supply Chain and Operations Management and in Postgraduate Certificate in Supply Chain and Logistics Management and in Supply Chain and Procurement Management, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.45.220 (Number not used)

Supply Chain Management Programme (UAE)

**MSc in Supply Chain and Operations Management**
**Postgraduate Diploma in Supply Chain and Operations Management**
**Postgraduate Certificate in Supply Chain and Operations Management**

**MSc in Supply Chain and Logistics Management**
**Postgraduate Diploma in Supply Chain and Logistics Management**
**Postgraduate Certificate in Supply Chain and Logistics Management**

**MSc in Supply Chain and Procurement Management**
**Postgraduate Diploma in Supply Chain and Procurement Management**
**Postgraduate Certificate in Supply Chain and Procurement Management**

Course Regulations
[These regulations are to be read in conjunction with General Regulation 19.1]

Admission

19.45.221 Regulation 19.1.1 shall apply

Mode of Study
The courses are available by full-time or part-time study.

**Place of Study**

The courses are taught at the University of Strathclyde and also off-campus by University of Strathclyde staff at overseas locations.

**Curriculum**

All students shall undertake an approved curriculum as follows:

Students will have the option of choosing a specialism from three options: Operations Management, Procurement Management and Logistics Management that will lead to the corresponding award.

- for the Postgraduate Certificate – no fewer than 60 credits must be completed with at least 10 credits from the chosen specialism.

- for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes and all the specialist classes from the chosen specialism.

- for the degree of MSc – no fewer than 180 credits including all the compulsory classes and all the specialist from the chosen specialism, including a 10 credit option, plus the individual project.

Students are required to take all core classes and all compulsory classes relevant to their chosen stream.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 971 Supply Chain Operations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 972 Strategic Supply Chain Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 973 Enterprise Resource Planning</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 974 Management of Total Quality and Continuous Improvement</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 976 Product Costing and Financial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 910 Advanced Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 911 Business, Operations and Supply Chain Strategy</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>MS 912 Case Studies in Supply Chain Management</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

together with classes appropriate to the chosen specialism

**Operations Management specialism**

| DM 975 Fundamentals of Lean Six Sigma | 5 | 10 |
| MS 957 Service Operations Management | 5 | 10 |
| Option (see list below) | 5 | 10 |

**Logistics Management specialism**

| NM 922 Logistics | 5 | 12 |
| MS 915 Logistics Network Optimisation and Simulation | 5 | 10 |
| Option (see list below) | 5 | 10 |
**Procurement Management specialism**

BF 953   Strategic Procurement Management   5   15
BF 956   Organisational Buying Behaviour and Structures   5   10
Option (see list below)   5   10

Students for the degree of MSc only:
DM 5xx   Individual Project (Logistics Management)   5   60
or
DM 5xx   Individual Project (Operations Management)   5   60
or
DM 5xx   Individual Project (Procurement Management)   5   60

A list of optional classes is provided below where the O, L, P superscript denotes suitability for chosen specialism (Operations, Logistic and Procurement respectively). In exceptional circumstances, with the discretion of the Course Director, these options may be substituted with other available modules that are considered appropriate for the chosen specialism.

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>56418   Design Methods  ( ^\text{O} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 945   Systems Thinking and Modelling  ( ^\text{OLP} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 5xx   Facilities Management  ( ^\text{OL} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>56 520   Strategic Technology Management  ( ^\text{OP} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>56 511   People and Organisation  ( ^\text{OLP} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 922   Quantitative Business Analysis  ( ^\text{OLP} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 924   Spreadsheet Modelling and Demand Forecasting  ( ^\text{OLP} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 926   Business Simulation Methods  ( ^\text{P} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 927   Risk Analysis and Management  ( ^\text{LP} )</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 929   Performance Measurement and Management  ( ^\text{O} )</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.45.225   Regulations 19.1.25 – 19.1.33 shall apply.

19.45.226   The final assessment will be based on performance in the examinations, coursework, the Individual Project where undertaken and, if required, in an oral examination.

**Award**

19.45.227   **Degree of MSc:** In order to qualify for the award of the degree of MSc in Supply Chain and Operations Management and in Supply Chain and Logistics Management and in Supply Chain and Procurement 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.

19.45.228   **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Supply Chain and Operations Management and in Supply Chain and Logistics Management and in Supply Chain and Procurement Management, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.45.229   **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Supply Chain and Operations Management and in Postgraduate Certificate in Supply Chain and Logistics Management and
in Supply Chain and Procurement Management, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

Global Innovation Management

MSc in Global Innovation Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

The course is offered jointly between the University of Strathclyde, Aalborg Universitet, Technische and Universität Hamburg-Harburg and the awards are made in the name of two universities; Strathclyde and one of Aalborg or Hamburg-Harburg, depending on where the students study in their second year.

Students shall be subject to the course regulations that have been adopted by all three 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 Course Management Committee made up of the programme directors from each of the 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

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

Duration of Study

19.45.262 Regulations 19.1.5 and 19.1.6 shall apply.

Place of Study

19.45.263 The course will be taught at the University of Strathclyde in the first year. At Strathclyde the course will be taught by staff of the Faculty of Engineering, by staff of the Faculty of Engineering and Science, at Aalborg, and by staff of the School of Management Sciences and Technology at Hamburg-Harburg.

Nature of Study

19.45.264 The course is available by full-time study only.

Curriculum
First Year

19.45.265 All students shall spend the first year at Strathclyde and undertake classes amounting to no fewer than 120 credits (60 ECTS) as follows:
Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits (ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 501</td>
<td>Industrial Group Project 2</td>
<td>5</td>
<td>20 (10)</td>
</tr>
<tr>
<td>DM 503</td>
<td>Global Design</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 918</td>
<td>People, Organisation and Technology</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 920</td>
<td>Strategic Technology Management</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 926</td>
<td>Supply Chain Operations</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 934</td>
<td>Design Methods</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 981</td>
<td>Management of Innovation</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>EF 927</td>
<td>Design Management</td>
<td>5</td>
<td>10 (5)</td>
</tr>
</tbody>
</table>

Optional Classes

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits (ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 924</td>
<td>Product Design Techniques</td>
<td>5</td>
<td>20 (10)</td>
</tr>
<tr>
<td>DM 925</td>
<td>Systems Integration</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 927</td>
<td>Strategic Supply Chain Management</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 928</td>
<td>Enterprise Resource Planning</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 930</td>
<td>Knowledge Engineering and Management for Engineers</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 933</td>
<td>Engineering Risk Management</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 935</td>
<td>Management of Total Quality and Continuous Improvement</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 941</td>
<td>Fundamentals of Lean Six Sigma</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 943</td>
<td>Sustainable Product Design and Manufacturing</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 944</td>
<td>Product Costing and Financial Management</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>DM 945</td>
<td>Systems Thinking and Modelling</td>
<td>5</td>
<td>10 (5)</td>
</tr>
<tr>
<td>EF 930</td>
<td>Information Management</td>
<td>5</td>
<td>10 (5)</td>
</tr>
</tbody>
</table>

Students may choose such other classes as may be approved by the Course Coordinator.

Second Year

Students shall spend their second year at either Aalborg or Hamburg-Harburg and undertake classes amounting to no fewer than 120 credits (60 ECTS) as follows:

Aalborg

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits (ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 904</td>
<td>Graduation Project</td>
<td>5</td>
<td>60 (30)</td>
</tr>
<tr>
<td>DM 906</td>
<td>Industrial Internship</td>
<td>5</td>
<td>60 (30)</td>
</tr>
</tbody>
</table>

Hamburg-Harburg

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits (ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 910</td>
<td>Master Thesis</td>
<td>5</td>
<td>60 (30)</td>
</tr>
<tr>
<td>EX 922</td>
<td>External Study Credits</td>
<td>5</td>
<td>48 (24)</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 12 credits (6 ECTS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits (ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX 923</td>
<td>External Study Credits</td>
<td>5</td>
<td>12 (6)</td>
</tr>
</tbody>
</table>

Such other classes at Level 5 as may be approved by the Course Director.
Examination, Progress and Final Assessment

19.45.266 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.

19.45.267 In order to progress to the second year of the course, a student must normally have accumulated at least 110 credits/ 55 ECTS from the agreed curriculum.

19.45.268 Candidates who fail to satisfy the Board of Examiners in any taught class shall, at the discretion of the Board of Examiners, be permitted one further attempt to pass the relevant class(es) at the earliest opportunity and no longer than two years after the initial attempt.

19.45.269 The final assessment will be based on performance in the examinations, coursework, and the Project where undertaken.

Award

19.45.270 **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

19.45.271 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.

19.45.272 to 19.45.280 (Numbers not used)
Global Innovation Management

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

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

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

Nature of Study
19.45.282 The course is available by full-time study only.

Curriculum
19.45.283 See Regulation 19.45.265, First Year Curriculum.

Examination, Progress and Final Assessment
19.45.284 Regulations 19.1.25 – 19.1.33 shall apply.
19.45.285 The final assessment will be based on performance in the examinations and coursework and, if required, in an oral examination.

Award
19.45.286 **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 course curriculum.
19.45.287 **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 course curriculum.

Lean Six Sigma for Process Excellence

MSc 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

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.45.291 Regulations 19.1.1 and 19.1.2 shall apply

Mode of Study
19.45.292 The courses are available by full-time or part-time study.

Curriculum
All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including an
Individual Project

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 918 People, Organisation and Technology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 931 Postgraduate Group Project</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>DM 935 Management of Total Quality and Continuous Improvement</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 941 Fundamentals of Lean Six Sigma</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 945 Systems Thinking and Modelling</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 949 Design of Experiments for Process Optimisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 922 Quantitative Business Analysis</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from:
<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 926 Supply Chain Operations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>GB 816 Leadership</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 957 Service Operations Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 969 Advanced Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

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

Students for the degree of MSc only:
<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 932 Individual Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.45.293 Regulations 19.1.25 – 19.1.33 shall apply.
19.45.294 The final assessment will be based on performance in the examinations, coursework, the Individual Project where undertaken and, if required, in an oral examination.

**Award**

19.45.295 **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.

19.45.296 **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 course curriculum.

19.45.297 **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 classes of the course.

19.45.298 to 19.45.300 (Numbers not used)
Product Engineering Design

MSc in Product Engineering Design
Postgraduate Diploma in Product Engineering Design
Postgraduate Certificate in Product Engineering Design

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.45.301 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

Duration of Study
19.45.302 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.45.303 The courses are available by full-time and part-time study.

Curriculum
19.45.304 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits chosen from the list of compulsory classes
- for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes
- for the degree of MSc – no fewer than 180 credits including the DM 932 project.

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

Compulsory Classes
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 923</td>
<td>Product Modelling and Visualisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 924</td>
<td>Product Design Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>DM 929</td>
<td>CAED Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 931</td>
<td>Postgraduate Group Project</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>EF 927</td>
<td>Design Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 30 credits chosen from:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 925</td>
<td>Systems Integration</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 934</td>
<td>Design Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 943</td>
<td>Sustainable Product Design and Manufacturing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930</td>
<td>Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932</td>
<td>Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 932</td>
<td>Postgraduate Individual Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Coordinator.
Examination, Progress and Final Assessment

19.45.305 Regulations 19.1.25 – 19.1.33 shall apply.
19.45.306 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

Award

19.45.307 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Product Engineering 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 Postgraduate Individual Project.

19.45.308 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Product Engineering Design, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

19.45.309 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Product Engineering Design, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.45.310 (Numbers not used)

Advanced Manufacturing: Technology and Systems

Advanced Manufacturing: Forging and Forming

MSc in Advanced Manufacturing: Technology and Systems
MSc in Advanced Manufacturing: Forging and Forming
Postgraduate Diploma in Advanced Manufacturing
Postgraduate Certificate in Advanced Manufacturing

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.45.311 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.
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

19.45.312 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.45.313 The courses are available by full-time and part-time study.

Curriculum
All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits chosen from List A
for the Postgraduate Diploma – no fewer than 120 credits including all the Compulsory Modules
for the degree of MSc – no fewer than 180 credits including Postgraduate Individual Project

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

### Compulsory Classes*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 920</td>
<td>Strategic Technology Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 942</td>
<td>Manufacturing Automation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 946</td>
<td>Micro- and Nano-Manufacturing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 947</td>
<td>Advanced Forming and Technology Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 948</td>
<td>Advanced Materials and Production Technology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

together with classes appropriate to the chosen course

**Advanced Manufacturing: Technology and Systems**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 931</td>
<td>Postgraduate Group Project</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

and 30 credits from the list of optional classes below

**Advanced Manufacturing: Forging and Forming**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 966</td>
<td>Research Methodology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

and 60 credits from the list of optional classes below

### Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 924</td>
<td>Product Design Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>DM 925</td>
<td>Systems Integration</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 927</td>
<td>Strategic Supply Chain Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 929</td>
<td>CAED Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 941</td>
<td>Fundamentals of Lean Six Sigma</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 943</td>
<td>Sustainable Product Design and Manufacturing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 945</td>
<td>Systems Thinking and Modelling</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 949</td>
<td>Design of Experiments for Process Optimisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930</td>
<td>Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

* Exceptionally, such other classes totalling no more than 20 credits as approved by the Course Director.

### Students for the degree of MSc:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 932</td>
<td>Postgraduate Individual Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

### Examination, Progress and Final Assessment

Regulations 19.1.25 – 19.1.33 shall apply.

The final assessment will be based on performance in the examinations, coursework, the Postgraduate Individual Project where undertaken and, if required, in an oral examination.

### Award
19.45.317 **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 course curriculum, of which 60 must have been awarded in respect of the Individual Project.

19.45.318 **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 course curriculum.

19.45.319 **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 course curriculum.
Department of Electronic and Electrical Engineering

Communications, Control and Digital Signal Processing

MSc 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

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.46.1 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree (in Electrical and Electronic Engineering or a cognate subject) from a United Kingdom university; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent; or
(iii) appropriate professional experience.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study
19.46.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.46.3 The courses are available by full-time and part-time study.

Curriculum
19.46.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught classes.
for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes.
for the degree of MSc – no fewer than 180 credits including the EE990 project.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 969</td>
<td>Digital Signal Processing Principles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 970</td>
<td>Information Transmission and Security</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 972</td>
<td>Control Principles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 986</td>
<td>Assignment and Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students who have previously completed any class from the list of compulsory classes will be required to undertake an appropriate alternative as approved by the Course Director.

Optional Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 971</td>
<td>Communications Networks</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Code</td>
<td>Course</td>
<td>Credits</td>
<td>ECTS</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>------</td>
</tr>
<tr>
<td>EE 978</td>
<td>Advanced Digital Signal Processing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 980</td>
<td>Embedded System Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 981</td>
<td>Image and Video Processing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 982</td>
<td>Control Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 999</td>
<td>PGDip Electronic and Electrical Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dissertation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students may not select any class from the list of optional classes which they have previously successfully completed.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 990</td>
<td>MSc Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

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

**Examination, Progress and Final Assessment**

19.46.5 Regulations 19.1.25 – 19.1.33 shall apply.

19.46.6 The final assessment will be based on performance in the examinations, coursework and the EE 990 Project where undertaken.

**Award**

19.46.7 **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 EE 990 Project.

19.46.8 **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.

19.46.9 **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 course curriculum.

19.46.10 to 19.46.19 (Numbers not used)

**Electrical Power Engineering with Business**

**MSc in Electrical Power Engineering with Business**
**Postgraduate Diploma in Electrical Power Engineering with Business**
**Postgraduate Certificate in Electrical Power Engineering with Business**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1.]

**Admission**

19.46.20 Notwithstanding Regulation 19.1.1, applicants shall possess

(i) a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent; or
(iii) appropriate professional experience.
In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

**Duration of Study**

19.46.21 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

19.46.22 The courses are available by full-time and part-time study.

**Curriculum**

19.46.23 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught classes.
- for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes.
- for the degree of MSc – no fewer than 180 credits including the EE990 project.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 973 Advanced Power System Analysis and Protection</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 976 Power System Economics, Markets and Asset Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 986 Assignment and Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students who have previously completed any class from the list of compulsory classes will be required to undertake an appropriate alternative as approved by the Course Director.

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 974 High Voltage Technology and Electromagnetic Compatibility</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 975 Power Electronics for Energy and Drive Control</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 977 Wind Energy and Distributed Energy Resources</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 984 Wind Turbine Control</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 985 Software Engineering</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MS 928 Business Information Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 969 Advanced Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 999 PGDip Electronic and Electrical Engineering Dissertation</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

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

Students may not select any class from the list of optional classes which they have previously successfully completed.
Students for the degree of MSc only:

EE 990 MSc Project 5 60

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

Examination, Progress and Final Assessment

19.46.24 Regulations 19.1.25 – 19.1.33 shall apply.
19.46.25 The final assessment will be based on performance in the examinations, coursework and the EE 990 Project where undertaken.

Award

19.46.26 Degree of MSc: In order to qualify for the award of the degree of MSc in Electrical Power Engineering with Business, 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 EE 990 Project.
19.46.27 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Electrical Power Engineering with Business, a candidate must have accumulated no fewer than 120 credits from the course curriculum.
19.46.28 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Electrical Power Engineering with Business, a candidate must have accumulated no fewer than 60 credits from the course curriculum.
19.46.29 to 19.46.40 (Numbers not used)

Electricity Industry Management and Technology

MSc in Electricity Industry Management and Technology
Postgraduate Diploma in Electricity Industry Management and Technology
Postgraduate Certificate in Electricity Industry Management and Technology

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.46.41 Regulations 19.1.1 and 19.1.2 shall apply.

Mode of Study

19.46.42 The courses are available by full-time and part-time study.

Curriculum

19.46.43 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught classes.
for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes.
for the degree of MSc – no fewer than 180 credits including the EE990 project.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 940 General and Strategic Management</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 941 Financial Management</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 942 Information Systems Strategy</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 943 Power System Operation and Management</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 944 Power System Economics and Regulatory Issues</td>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>

Optional Classes

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 945 Power Generation Technologies: Electrical</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 946 Power Generation Technologies: Mechanical</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 947 Power System Analysis and Design</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 948 Power System Protection, Control and Monitoring</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 949 Power Engineering and the Environment</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 950 High Voltage Engineering</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 951 Energy Management and System Analysis</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 952 Manufacturing Systems for Power Plant</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 953 Project and Contract Management</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 954 Human Resource Management</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 955 Intelligent System Applications in Power</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 956 Networking and Communications</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>19 957 Database Management and Applications</td>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>

In addition, students may select other classes offered by the Department of Electronic and Electrical Engineering on other postgraduate courses subject to the approval of the Course Director.

Students for the degree of MSc only:

| EE 990 Project | 5 | 60 |

Examination, Progress and Final Assessment

19.46.44 Regulations 19.1.25 – 19.1.33 shall apply.
19.46.45 The final assessment will be based on performance in the examinations, coursework and the EE 990 Project where undertaken.

Award

19.46.46 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.

19.46.47 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 classes of the course.

19.46.48 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 classes of the course.

Electronic and Electrical Engineering

MSc in Electronic and Electrical Engineering
Postgraduate Diploma in Electronic and Electrical Engineering
Postgraduate Certificate in Electronic and Electrical Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.46.60 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree (in Electrical or Electronic Engineering in a cognate subject) from a United Kingdom university; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent; or
(iii) appropriate professional experience
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study
19.46.61 Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study
19.46.62 The courses are available by full-time and part-time study only.

Curriculum
19.46.63 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the lists of taught classes.
for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes.
for the degree of MSc – no fewer than 180 credits including the EE990 project.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE986 Assignment and Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 966 Power Electronics, Machines and Applications</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 967 Power System Design, Operation and Protection</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 969 Digital Signal Processing Principles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 970 Information Transmission and Security</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 971 Communications Networks</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>EE 972</td>
<td>Control Principles</td>
<td>5</td>
</tr>
<tr>
<td>EE 973</td>
<td>Advanced Power System Analysis and Protection</td>
<td>5</td>
</tr>
<tr>
<td>EE 974</td>
<td>High Voltage Technology and Electromagnetic Compatibility</td>
<td>5</td>
</tr>
<tr>
<td>EE 975</td>
<td>Power Electronics for Energy and Drive Control</td>
<td>5</td>
</tr>
<tr>
<td>EE 976</td>
<td>Power System Economics, Markets and Asset Management</td>
<td>5</td>
</tr>
<tr>
<td>EE 977</td>
<td>Wind Energy and Distributed Energy Resources</td>
<td>5</td>
</tr>
<tr>
<td>EE 978</td>
<td>Advanced Digital Signal Processing</td>
<td>5</td>
</tr>
<tr>
<td>EE 980</td>
<td>Embedded System Design</td>
<td>5</td>
</tr>
<tr>
<td>EE 981</td>
<td>Image and Video Processing</td>
<td>5</td>
</tr>
<tr>
<td>EE 982</td>
<td>Control Techniques</td>
<td>5</td>
</tr>
<tr>
<td>EE 985</td>
<td>Software Engineering</td>
<td>5</td>
</tr>
<tr>
<td>EE 999</td>
<td>PGDip Electronic and Electrical Engineering Dissertation</td>
<td>5</td>
</tr>
</tbody>
</table>

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

Students may not select any class from the list of optional classes which they have previously successfully completed.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 990</td>
<td>MSc Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

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

**Examination, Progress and Final Assessment**

19.46.64 Regulations 19.1.25 – 19.1.33 shall apply.

19.46.65 The final assessment will be based on performance in the examinations, coursework and the EE 990 Project where undertaken.

**Award**

19.46.66 **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 EE 990 Project.

19.46.67 **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 course curriculum.

19.46.68 **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 course curriculum.

19.46.69 to 19.46.99 (Numbers not used)
Signal Processing

MSc in Signal Processing
Postgraduate Diploma in Signal Processing
Postgraduate Certificate in Signal Processing

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.46.100 Regulations 19.1.1, applicants shall possess
(i) a first or second class Honours degree (in Electrical or Electronic Engineering or a cognate subject) from a United Kingdom university; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent; or
(iii) appropriate professional experience.
In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.

Duration of Study
19.46.101 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.46.102 The courses are available by full-time and part-time study only.

Curriculum
19.46.103 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the list of taught classes.
for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes.
for the degree of MSc – no fewer than 180 credits including the EE990 project.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 969  Digital Signal Processing Principles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 978  Advanced Digital Signal Processing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 980  Embedded System Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 981  Image and Video Processing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 986  Assignment and Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students who have previously completed any class from the list of compulsory classes will be required to undertake an appropriate alternative as approved by the Course Director.

Optional Classes
EE 966  Power Electronics, Machines and Applications  5  20
EE 967 Power System Design, Operation and Protection 5 20
EE 970 Information Transmission and Security 5 20
EE 971 Communications Networks 5 20
EE 972 Control Principles 5 20
EE 973 Advanced Power System Analysis and Protection 5 20
EE 974 High Voltage Technology and Electromagnetic Compatibility 5 20
EE 975 Power Electronics for Energy and Drive Control 5 20
EE 976 Power System Economics, Markets and Asset Management 5 20
EE 977 Wind Energy and Distributed Energy Resources 5 20
EE 982 Control Techniques 5 20
EE 985 Software Engineering 5 20
EE 999 PGDip Electronic and Electrical Engineering Dissertation 5 20

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

Students may not select any class from the list of optional classes which they have previously successfully completed.

Students for the degree of MSc only:
EE 990 MSc Project 5 60

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

Examination, Progress and Final Assessment
19.46.104 Regulations 19.1.25 – 19.1.33 shall apply.
19.46.105 The final assessment will be based on performance in the examinations, coursework and the EE 9990 Project where undertaken.

Award
19.46.106 Degree of MSc: In order to qualify for the award of the degree of MSc in 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 EE 990 Project.
19.46.107 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Signal Processing, a candidate must have accumulated no fewer than 120 credits from the course curriculum.
19.46.108 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Signal Processing, a candidate must have accumulated no fewer than 60 credits from the course curriculum.
19.46.109 to 19.46.110 (Numbers not used)
Communications Technology and Policy

MSc in Communications Technology and Policy
Postgraduate Diploma in Communications Technology and Policy
Postgraduate Certificate in Communications Technology and Policy

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.46.111 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree (in Electrical or Electronic
Engineering or a cognate subject) from a United Kingdom university;
or
(ii) a qualification deemed by the Course Director acting on behalf of
Senate to be equivalent; or
(iii) appropriate professional experience.
In all cases, applicants whose first language is not English shall be required
to demonstrate an appropriate level of English.

Duration of Study
19.46.112 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.46.113 The courses are available by full-time and part-time study.

Curriculum
19.46.114 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the list
of taught compulsory classes.
for the Postgraduate Diploma – no fewer than 120 credits including all
the compulsory classes.
for the degree of MSc – no fewer than 180 credits including the EE990
project.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 970</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 971</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 986</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students who have previously completed any class from the list of
compulsory classes will be required to undertake an appropriate alternative
as approved by the Course Director.

Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 969</td>
<td>Digital Signal Processing Principles</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
EE 985  Software Engineering  5  20
MS 928  Business Information Systems  5  10
MS 969  Advanced Project Management  5  10
MG 803  Creativity, Change and Innovation  5  20
MG 804  Strategic Technology Management  5  20
EE 999  PGDip Electronic and Electrical Engineering
        Dissertation  5  20

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

Students may not select any class from the list of optional classes which they have previously successfully completed.

Students for the degree of MSc only:
EE 990  MSc Project  5  60

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

Examination, Progress and Final Assessment

19.46.115  Regulations 19.1.25 – 19.1.33 shall apply.
19.46.116  The final assessment will be based on performance in the examinations, coursework and the EE 990 Project where undertaken.

Award

19.46.117  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 EE 990 Project.
19.46.118  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 course curriculum.
19.46.119  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 course curriculum.
19.46.120  to 19.46.139  (Numbers not used)

Wind Energy Systems

MSc in Wind Energy Systems
Postgraduate Diploma in Wind Energy Systems
Postgraduate Certificate in Wind Energy Systems

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]
Admission
19.46.140 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree (in Electrical or Electronic
Engineering or a cognate subject) from a United Kingdom university;
or
(ii) a qualification deemed by the Course Director acting on behalf of
Senate to be equivalent; or
(iii) appropriate professional experience
In all cases, applicants whose first language is not English, shall be required
to demonstrate an appropriate level of English.

Duration of Study
19.46.141 Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study
19.46.142 The courses are available by full-time and part-time study only.

Curriculum
19.46.143 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the
lists of taught classes.
for the Postgraduate Diploma – no fewer than 120 credits including all
the compulsory classes.
for the degree of MSc – no fewer than 180 credits including the EE990
project.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 989</td>
<td>Wind Turbine Technology</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 984</td>
<td>Wind Turbine Control</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 988</td>
<td>Power Systems and Wind Integration</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 986</td>
<td>Assignment and Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students who have previously completed any class from the list of
compulsory classes will be required to undertake an appropriate alternative
as approved by the Course Director.

Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF 981</td>
<td>Socio-Economics of Energy Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 966</td>
<td>Power Electronics, Machines and Applications</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 967</td>
<td>Power System Design, Operation and Protection</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 973</td>
<td>Advanced Power System Analysis and Protection</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 974</td>
<td>High Voltage Technology and Electromagnetic Compatibility</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 975</td>
<td>Power Electronics for Energy and Drive Control</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 976</td>
<td>Power System Economics, Markets and Asset Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 999</td>
<td>PGDip Electronic and Electrical Engineering Dissertation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>NM 946</td>
<td>Inspection and Survey</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CL 961</td>
<td>Geographical Information Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 939</td>
<td>Environmental Impact Assessment</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director.

Students may not select any class from the list of optional classes which they have previously successfully completed.

Students for the degree of MSc only:
EE 990 MSc Project 5 60

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

Examination, Progress and Final Assessment
19.46.144 Regulations 19.1.25 – 19.1.33 shall apply.
19.46.145 The final assessment will be based on performance in the examinations, coursework and the EE 990 Project where undertaken.

Award
19.46.146 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 EE 990 Project.
19.46.147 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 course curriculum.
19.46.148 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 course curriculum.
19.46.149 to 19.46.159 (Numbers not used)

19.46 Department of Electronic and Electrical Engineering

Advanced Electrical Power Engineering

MSc in Advanced Electrical Power Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]
Admission

Notwithstanding Regulation 19.1.1, applicants shall possess

(i) a first or second class Honours degree (in Electrical and Electronic Engineering or a cognate subject) from a United Kingdom university; or

(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent; or

(iii) appropriate professional experience

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

Duration of Study

Regulations 19.1.4 and 19.1.5 shall apply. The normal duration of study will be:

for the degree of Master by full-time study – 24 months

Mode of Study

The course is available by full-time study only.

Curriculum

All students shall undertake an approved curriculum as follows:

for the degree of MSc – no fewer than 240 credits including the EE900 project.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 973 Advanced Power System Analysis and Protection</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 974 High Voltage Technology and Electromagnetic</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Compatibility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EE 975 Power Electronics for Energy and Drive Control</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 976 Power System Economics, Markets and Asset</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EE 977 Wind Energy and Distributed Energy Resources</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 986 Assignment and Professional Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students who have previously completed any class from the list of compulsory classes will be required to undertake an appropriate alternative as approved by the Course Director.

Optional Classes

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 969 Digital Signal Processing Principles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 970 Information Transmission and Security</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 971 Communications Networks</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 972 Control Principles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 982 Control Techniques</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EE 985 Software Engineering</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director.
Students may not select any class from the list of optional classes which they have previously successfully completed.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 900</td>
<td>MSc Project</td>
<td>5</td>
</tr>
</tbody>
</table>

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

**Examination, Progress and Final Assessment**

19.46.164 Regulations 19.1.25 – 19.1.33 shall apply.

19.46.165 In order to progress to the second year of the course, a student must have accumulated no fewer than 120 credits from the course curriculum of which at least 100 credits are obtained at 1st attempt.

19.46.166 Students who fail to accumulate 100 credits or more at 1st attempt in year 1 of the programme will be transferred and considered for an award of Postgraduate Diploma in Electronic and Electrical Engineering.

19.46.167 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.

19.46.168 The final assessment will be based on performance in the examinations, coursework and the EE 990 Project where undertaken.

**Award**

19.46.169 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Advanced Electrical Power Engineering, 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 EE 990 Project.

19.46.170 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 Engineering with Business.
Department of Mechanical and Aerospace Engineering

Power Plant Engineering

MSc in Power Plant Engineering
Postgraduate Diploma in Power Plant Engineering
Postgraduate Certificate in Power Plant Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.47.1 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or
second class Honours degree) from a United Kingdom university in
Science or Engineering; or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study
19.47.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.47.3 The courses are available by part-time study only.

Curriculum
19.47.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the
classes in Lists A and B
for the Postgraduate Diploma – no fewer than 120 credits, including
no fewer than 80 from the classes in List A and no fewer than 30 from
the classes in List B.
for the degree of MSc – no fewer than 180 credits, including the
Project.

Classes
List A: Specialist Classes *

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 917</td>
<td>Advanced Boiler Technologies 1</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 918</td>
<td>Advanced Boiler Technologies 2</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 919</td>
<td>Electrical Power Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 920</td>
<td>Materials for Power Plant</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 922</td>
<td>Energy Resources and Policy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 923</td>
<td>Gas and Steam Turbines</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 924</td>
<td>Power Plant Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 926</td>
<td>Nuclear Power Systems</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
List B: Faculty-wide Classes *

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 927</td>
<td>Design Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930</td>
<td>Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932</td>
<td>Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 929</td>
<td>Financial Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 975</td>
<td>Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

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

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 900</td>
<td>Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.47.5 Regulations 19.1.25 – 19.1.33 shall apply.

19.47.6 The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

Award

19.47.7 Degree of MSc: In order to qualify for the award of the degree of MSc in Power Plant 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.

19.47.8 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Power Plant Engineering, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.47.9 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Power Plant Engineering, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.47.10 (Number not used)

Power Plant Technologies

MSc in Power Plant Technologies
Postgraduate Diploma in Power Plant Technologies
Postgraduate Certificate in Power Plant Technologies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.47.11 Notwithstanding Regulation 19.1.1, applicants shall possess

(i) a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or

(ii) a qualification deemed by the Course 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
19.47.12 Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study
19.47.13 The courses are available by full-time study only.

Curriculum
19.47.14 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the classes in Lists A and B
for the Postgraduate Diploma – no fewer than 120 credits, including no fewer than 80 from the classes in List A and no fewer than 30 from the classes in List B
for the degree of MSc – no fewer than 180 credits including a Project

Classes
List A: Specialist Classes *
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 917</td>
<td>Advanced Boiler Technologies 1</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 918</td>
<td>Advanced Boiler Technologies 2</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 929</td>
<td>Electrical Power Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 920</td>
<td>Materials for Power Plant</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 919</td>
<td>Energy Resources and Policy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 923</td>
<td>Gas and Steam Turbines</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 924</td>
<td>Power Plant Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>ME 926</td>
<td>Nuclear Power Systems</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

List B: Faculty-wide Classes *
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 927</td>
<td>Design Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930</td>
<td>Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932</td>
<td>Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 929</td>
<td>Financial Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 975</td>
<td>Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

* Exceptionally, such other classes totalling no more than 20 credits, as approved by the Course Director.

Students for the degree of MSc only:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 900</td>
<td>Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.47.15 Regulations 19.1.25 – 19.1.33 shall apply.
19.47.16 The final assessment will be based on performance in the examinations, coursework, the Project where undertaken and, if required, in an oral examination.

Award
Degree of MSc: In order to qualify for the award of the degree of MSc in Power Plant Technologies, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project.

Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Power Plant Technologies, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Power Plant Technologies, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

(Number not used).

Advanced Mechanical Engineering

MSc in Advanced Mechanical Engineering
MSc in Advanced Mechanical Engineering with Aerospace
MSc in Advanced Mechanical Engineering with Energy Systems
MSc in Advanced Mechanical Engineering with Materials
MSc in Advanced Mechanical Engineering with Power Plant Technologies
Postgraduate Diploma in Advanced Mechanical Engineering
Postgraduate Certificate in Advanced Mechanical Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a degree (or in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom university in Science or Engineering; or
(ii) a qualification deemed by the Course 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 competence.

Duration of Study

Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

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

Curriculum

All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits including no
fewer than 30 from the classes in List A and no fewer than 80 from
the classes in List B
for the degree of MSc – no fewer than 180 credits including the
Project and including no fewer than 30 from the classes in List A and
no fewer than 80 from the classes in List B

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>List A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EF 927 Design Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930 Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931 Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932 Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 929 Financial Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 975 Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 939 Environmental Impact Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 930 Knowledge Engineering and Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

List B
Level 5 classes offered by the Department of Mechanical and Aerospace
Engineering, listed in Regulation 12.47.9.
Exceptionally, such other Level 5 classes as may be approved by the
Course Director.

For the degree of MSc in Advanced Mechanical Engineering with
Aerospace, the following classes are compulsory:
16598 Aerodynamic Performance 5 10
16599 Aerodynamic Propulsion Systems 5 10
ME 512 Spaceflight Mechanics 5 10

For the degree of MSc Advanced Mechanical Engineering with Energy
Systems, the following classes are compulsory:
ME 927 Energy Resources and Policy 5 10
ME 929 Electrical Power Systems 5 10
ME 930 Energy Modelling and Monitoring 5 10

For the degree of MSc in Advanced Mechanical Engineering with Materials,
the following classes are compulsory:
16 565 Engineering Composites 5 10
ME 523 Polymer and Polymer Composites 5 10
ME 931 Industrial Metallurgy 5 10

For the degree of MSc in Advanced Mechanical Engineering with Power
Plant Technologies, the following classes are compulsory:
ME 917 Advanced Boiler Technologies 1 5 10
ME 929 Electrical Power Systems 5 10
ME 923 Gas and Steam Turbines 5 10

Students for the degree of MSc only:
EF 900 Project 5 60
Examination, Progress and Final Assessment

19.47.25 Regulations 19.1.25 – 19.1.33 shall apply.
19.47.26 The final assessment will be based on performance in the examinations, coursework, the project where undertaken and, if required, in an oral examination.

Award

19.47.27 **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. 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 classes.

19.47.28 **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 classes of the course.

19.47.29 **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 classes of the course.
19.49 Department of Naval Architecture, Ocean and Marine Engineering

Marine Engineering

MSc in Marine Engineering
Postgraduate Diploma in Marine Engineering
Postgraduate Certificate in Marine Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.49.1 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply

Duration of Study
19.49.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.49.3 The courses are available by full-time and part-time study.

Curriculum
19.49.4 All students shall undertake an approved curriculum as detailed below.

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits, including
the Compulsory Classes and 10 credits from the Optional Classes,
then with NM 964 Group Project
for the degree of MSc – no fewer than 180 credits, including the
Individual Project

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 946</td>
<td>Inspection and Survey</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 949</td>
<td>Marine Transport and Economics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 950</td>
<td>Maritime Safety and Risk</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 951</td>
<td>Marine Engineering Simulation and Modelling</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 952</td>
<td>Advanced Marine Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 980</td>
<td>Onboard Energy Management and Marine Environment Protection</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 916</td>
<td>Systems Availability and Maintenance</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes

10 credits chosen from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF 927</td>
<td>Design Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 928</td>
<td>Environmental Impact and Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 930</td>
<td>Information Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932</td>
<td>Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 929</td>
<td>Financial Engineering</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Students for the Postgraduate Diploma and degree of MSc only
NM 964  Group Project 5 40

Students for the degree of MSc only:
NM 965  Individual Project 5 60

Examination, Progress and Final Assessment
19.49.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.49.6 The final assessment will be based on performance in the examinations, course work and the Individual Project where undertaken

Award
19.49.7 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 classes, 40 from the Group Project and 60 from the Individual Project.
19.49.8 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 classes and 40 from the Group Project.
19.49.9 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 classes of the course.
19.49.10 to 19.49.19 (Numbers not used)

Technical Ship Management

MSc in Technical Ship Management
Postgraduate Diploma in Technical Ship Management
Postgraduate Certificate in Technical Ship Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.49.20 Regulations 19.1.1 and 19.1.2 shall apply. In the first instance, students shall normally be admitted to either the Postgraduate Diploma or MSc course.

Duration of Study
19.49.21 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.49.22 The courses are available by full-time and part-time study.

Curriculum
19.49.23 All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits including a
group project
for the degree of MSc – no fewer than 180 credits including an
individual project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 937 Maritime Law, Contracts and Insurance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 946 Inspection and Survey</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 949 Marine Transport and Economics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 950 Maritime Safety and Risk</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 973 Maritime Regulatory Framework</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 916 Systems Availability and Maintenance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 980 Onboard Energy Management and Marine Environment Protection</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 942 HRM in a Business Context</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of MSc only:
<table>
<thead>
<tr>
<th>NM 964 Group Project</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 964 Group Project</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:
<table>
<thead>
<tr>
<th>NM 965 Individual Project</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 965 Individual Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.49.24 Regulations 19.1.25 – 19.1.33 shall apply.
19.49.25 The final assessment will be based on performance in the examinations, course work and the Individual Project where undertaken,

Award

19.49.26 **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 no fewer than 80 must be from the taught classes, 40 from the Group Project and 60 from the Individual Project.

19.49.27 **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 have been awarded in respect of the Group Project.

19.49.28 **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 classes of the course.

19.49.29 to 19.49.50 (Numbers not used.)
Offshore Floating Systems

MSc in Offshore Floating Systems
Postgraduate Diploma in Offshore Floating Systems
Postgraduate Certificate in Offshore Floating Systems

Course Regulations
[These regulations are to be read in conjunction with Regulations 19.1]

Admission
19.49.51 Regulations 19.1.1 - 19.1.3 shall apply.

Duration of Study
19.49.52 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.49.53 The courses are available by full-time and part-time study.

Curriculum
19.49.54 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 946 Inspection and Survey</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 957 Offshore Engineering Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 958 Risers and Mooring Lines</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 959 Dynamics of Floating Offshore Installations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 960 Finite Element Analysis of Floating Structures</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 950 Maritime Safety and Risk</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 961 Design and Construction of FPSOs</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 10 credits chosen from:
<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 947 Modelling and Optimisation in Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 962 Advanced Marine Structures</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 963 Theory and Practice of Marine CFD</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of MSc only will undertake:
<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 964 Group Project</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:
<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 965 Individual Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.49.55 Regulations 19.1.25 – 19.1.33 shall apply.
19.49.56 The final assessment will be based on performance in the examinations, course work and the Individual Project where undertaken, and, if required, in an oral examination.
**Award**

19.49.57 **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 classes, 40 from the Group Project and 60 from the Individual Project.

19.49.58 **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 classes and 40 from the Group Project.

19.49.59 **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 classes of the course.

19.49.60 (Number not used)

**Subsea Engineering**

**MSc in Subsea Engineering**  
**Postgraduate Diploma in Subsea Engineering**  
**Postgraduate Certificate in Subsea Engineering**

**Course Regulations**  
[These regulations are to be read in conjunction with Regulations 19.1]

**Admission**

19.49.61 Regulation 19.1.1 to 19.1.3 shall apply.

**Duration of Study**

19.49.62 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

19.49.63 The courses are available by full-time and part-time study.

**Curriculum**

19.49.64 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 946 Inspection and Survey</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 948 Subsea Systems and Installation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 950 Maritime Safety and Risk</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 957 Offshore Engineering Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 958 Risers and Mooring Lines</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 966 Marine Pipelines</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 977 Subsurface Technology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Optional Classes
No fewer than 10 credits chosen from:

NM 975  Computational Free Surface Hydrodynamics  5  10
NM 959  Dynamics of Floating Offshore Installations  5  10
NM 963  Theory and Practice of Marine Computational Fluid Dynamics  5  10

Students for the Postgraduate Diploma and degree of MSc only:
NM 964  Group Project  5  40

Students for the degree of MSc only:
NM 965  Individual Project  5  60

Examination, Progress and Final Assessment

19.49.65 Regulations 19.1.25 – 19.1.33 shall apply.
19.49.66 The final assessment will be based on performance in the examinations, course work and the Individual Project where undertaken, and, if required, in an oral examination.

Award

19.49.67 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Subsea 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 classes, 40 from the Group Project and 60 from the Individual Project.

19.49.68 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Subsea 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 classes and 40 from the Group Project.

19.49.69 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Subsea 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 classes of the course.

19.49.70 (Number not used).
Ship and Offshore Structures

MSc in Ship and Offshore Structures
Postgraduate Diploma in Ship and Offshore Structures
Postgraduate Certificate in Ship and Offshore Structures

Course Regulations
[These regulations are to be read in conjunction with Regulations 19.1]

Admission
19.49.71 Regulations 19.1.1 - 19.1.3 shall apply.

Duration of Study
19.49.72 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.49.73 The courses are available by full-time and part-time study.

Curriculum
19.49.74 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits including a group project
- for the degree of MSc – no fewer than 180 credits including an individual project

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reliability-Based Structural Design and Plated Structures</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 958</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risers and Mooring Lines</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 959</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamics of Floating Offshore Installations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 962</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Marine Structures</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 960</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finite Element Analysis of Floating Structures</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 979</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computational Modelling of Problems in Structural Mechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>NM 981</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Materials Engineering</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of MSc only:

- NM 964 Group Project | 5 | 40

Students for the degree of MSc only:

- NM 965 Individual Project | 5 | 60

Examination, Progress and Final Assessment
19.49.75 Regulations 19.1.25 – 19.1.33 shall apply.

19.49.76 The final assessment will be based on performance in the examinations, course work and the Individual Project where undertaken, and, if required, in an oral examination.
Award

19.49.77 **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.

19.49.78 **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.

19.49.79 **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 classes of the course.

Ship and Offshore Technology

MSc in Ship and Offshore Technology

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

The course 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 course regulations that have been adopted by both Universities and to any other General Regulations, etc. of the University at which they are studying.

Admission

19.49.81 Candidates will be admitted in the first instance to the MSc, and shall normally:

(i) Possess a bachelors degree or equivalent, at the equivalent of 2nd upper class level, in a marine or marine-related engineering subject

(ii) In particular, have sufficient knowledge on structural mechanics, hydrostatics, fluid dynamics, ship resistance and propulsion, ship design, etc.

(iii) Be required to demonstrate an appropriate level of competence in the English language.

Duration of Study

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

Place of Study

19.49.83 The course will be taught at the University of Strathclyde in the first year, and Hamburg University of Technology for the second year.

Mode of Study

19.49.84 The course is available by full-time study only.
Curriculum
First Year
All students shall spend the first year at the University of Strathclyde and undertake classes amounting to no fewer than 120 credits (60 ECTS) as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 957</td>
<td>5</td>
<td>10</td>
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<tr>
<td>NM 958</td>
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<td>5</td>
</tr>
<tr>
<td>NM 966</td>
<td>5</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>NM 959</td>
<td>5</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>NM 950</td>
<td>5</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>NM 961</td>
<td>5</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>NM 963</td>
<td>5</td>
<td>10</td>
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<tr>
<td>NM 946</td>
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<td>5</td>
</tr>
<tr>
<td>NM 983</td>
<td>5</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>NM 982</td>
<td>5</td>
<td>20</td>
<td>10</td>
</tr>
</tbody>
</table>

Students may be permitted to substitute one approved class from other postgraduate courses offered, including modern languages subject to approval by the Course Director at University of Strathclyde or the Examination Board at Hamburg University of Technology.

Between First and Second Year, (optional, no credits)
Intensive German language course

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

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 996</td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>NM 991</td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>NM 993</td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>NM 988</td>
<td>5</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>NM 985</td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>NM 994</td>
<td>5</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>NM 989</td>
<td>5</td>
<td>60</td>
<td>30</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 14 credits (7 ECTS) chosen from:

<table>
<thead>
<tr>
<th>No fewer than 14 credits (7 ECTS) chosen from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM 992 Seminar Naval Architecture and Ocean Engineering</td>
</tr>
<tr>
<td>NM 984 Computational Fluid Dynamics II</td>
</tr>
<tr>
<td>NM 990 Nonlinear Structural Analysis</td>
</tr>
</tbody>
</table>
With the approval of the Course Director, students may be permitted to substitute one approved class from other postgraduate courses offered.

Examination, Progress and Final Assessment

19.49.86 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 course work and in the Master Thesis.

19.49.87 In order to progress to the second year of the course, a student must normally have accumulated no fewer than 120 credits from the agreed curriculum in the first year.

19.49.88 Candidates who fail to satisfy the Board of Examiners in any taught class shall, at the discretion of the Board of Examiners, be permitted one further attempt to pass the relevant class(es) 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.

19.49.89 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

19.49.90 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.

Transfer

19.49.91 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.

19.49.92 To 19.49.100(Numbers not used)

Ship and Offshore Technology

Postgraduate Diploma in Ship and Offshore Technology
Postgraduate Certificate in Ship and Offshore Technology

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]
Admission
19.49.101 Students will have been admitted in the first instance to the degree of MSc in Ship and Offshore Technology.

Nature of Study
19.49.102 The course is available by full-time study only.

Curriculum
19.49.103 See Regulation 19.49.85, First Year Curriculum.

Examination, Progress and Final Assessment
19.49.104 Regulations 19.1.25 – 19.1.33 shall apply.
19.49.105 The final assessment will be based on performance in the examinations and coursework and, if required, in an oral examination.

Award
19.49.106 **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 course curriculum.
19.49.107 **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 course curriculum.

19.50 (Numbers not used)
Compulsory Class
NM 4xx Ocean and Marine Engineering Graduate Diploma Project

Level | Credits
--- | ---
4 | 20

Optional Classes
No fewer than 100 credits chosen from classes listed in Regulation 11.49.6.

**Examination, Progress and Final Assessment**

19.65 Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the course work and in the Dissertation.

19.66 Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es), normally in the same academic year.

**Award**

19.67 **Graduate Diploma:** In order to qualify for the award of Graduate Diploma in Ocean and Marine Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and have accumulated no fewer than 120 credits at Level 4, of which 20 must have been awarded in respect of the Dissertation.
Research Methodology in Business and Management

Masters in Research Methodology in Business Management

Postgraduate Diploma in Research Methodology in Business and Management
Postgraduate Diploma in Research Methodology in Business and Management with Specialisation in Risk and Reliability
Postgraduate Certificate in Research Methodology in Business and Management
Postgraduate Certificate in Research Methodology in Business and Management with Specialisation in Risk and Reliability

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.80.60 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.80.61 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.80.62 The courses are available by full-time and part-time study.

Curriculum
19.80.63 All students shall undertake an approved curriculum as follows:

*Research Methodology in Business and Management*

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF 991 Research Philosophy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BF 992 Research Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from the approved list of optional classes in Regulation 19.80.64.

Students for the Postgraduate Diploma in addition shall undertake

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF 984 Research Colloquium</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BF 994 Introduction to Quantitative Methods: Survey</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

203
and

BF 998 Advanced Quantitative Methods 5 10
or
BF 995 Advanced Qualitative Methods 5 20

Optional Classes
No fewer than 50 credits chosen from the approved list of optional classes in Regulation 19.80.64.

Research Methodology in Business and Management with Specialisation in Risk and Reliability

for the Postgraduate Certificate – no fewer than 60 credits including those for all the classes in List A and 20 credits chosen from List B
for the Postgraduate Diploma – no fewer than 120 credits including those for all the classes in Lists A and B and no fewer than 40 credits chosen from Regulation 19.80.64

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>List A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BF 991</td>
<td>Research Philosophy</td>
<td>5</td>
</tr>
<tr>
<td>BF 992</td>
<td>Research Methods</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List B</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 502</td>
<td>Basic Reliability Theory and Techniques</td>
<td>5</td>
</tr>
<tr>
<td>MS 503</td>
<td>Advanced System Reliability Modelling</td>
<td>5</td>
</tr>
<tr>
<td>MS 507</td>
<td>Modelling within Reliability and Maintainability</td>
<td>5</td>
</tr>
<tr>
<td>MS 927</td>
<td>Risk Analysis and Management</td>
<td>5</td>
</tr>
<tr>
<td>MS 962</td>
<td>Foundations of Risk</td>
<td>5</td>
</tr>
<tr>
<td>MS 963</td>
<td>Risk Governance</td>
<td>5</td>
</tr>
</tbody>
</table>

19.80.64

Approved List of Optional Classes

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF 977</td>
<td>Special Topics 1</td>
<td>5</td>
</tr>
<tr>
<td>BF 978</td>
<td>Special Topics 2</td>
<td>5</td>
</tr>
<tr>
<td>BF 979</td>
<td>Special Topics 3</td>
<td>5</td>
</tr>
<tr>
<td>BF 993</td>
<td>Research Colloquium*</td>
<td>5</td>
</tr>
<tr>
<td>BF 995</td>
<td>Advanced Qualitative Methods*</td>
<td>5</td>
</tr>
<tr>
<td>BF 996</td>
<td>Writing and Presenting Research</td>
<td>5</td>
</tr>
<tr>
<td>BF 997</td>
<td>Interdisciplinary Collaborative Research</td>
<td>5</td>
</tr>
<tr>
<td>BF 998</td>
<td>Advanced Quantitative Methods*</td>
<td>5</td>
</tr>
<tr>
<td>BF 994</td>
<td>Introduction to Advanced Quantitative Methods: Survey Design and Analysis*</td>
<td>5</td>
</tr>
<tr>
<td>Z1 937</td>
<td>Entrepreneurship Research</td>
<td>5</td>
</tr>
</tbody>
</table>

Subject-specific classes from other Master’s courses in the Business School at the discretion of the Course Organiser.
*If not already taken.

Examination, Progress and Final Assessment

19.80.65
Regulations 19.1.25 – 19.1.33 shall apply.
The final assessment will be based on performance in the examinations, coursework, and, if required, in an oral examination.

**Award**

19.80.67 **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 course curriculum.

19.80.68 **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 course curriculum.

19.80.69 to 19.80.99 (Numbers not used)

**Procurement Management**

**MSc in Procurement Management**
**Postgraduate Diploma in Procurement Management**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1.]

**Admission**
19.80.100 Regulations 19.1.1 - 19.1.3 shall apply.
In addition, applicants may also be required to obtain a satisfactory score in an admissions test and/or to attend for interview.

**Duration of Study**
19.80.101 Notwithstanding Regulations 19.1.5 and 19.1.6, the minimum duration of study will be
   - for the degree of MSc by open-learning – 30 months
   - for the Postgraduate Diploma by open-learning – 18 months

The maximum duration of study will be
   - for the degree of MSc by open-learning – 60 months
   - for the Postgraduate Diploma by open-learning – 60 months

**Mode of Study**
19.80.102 The courses are available by open learning only.

**Curriculum**
19.80.103 All students shall undertake an approved curriculum as follows:
   - for the Postgraduate Diploma – no fewer than 120 credits
   - for the degree of MSc – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
BF 951 Procurement and Marketing in the International Environment 5 15
BF 952 Procurement Research 5 15
BF 982 Strategic Procurement Management 5 10
BF 954 Total Quality Management 5 15
BF 955 Action Learning Project 5 20

Optional Classes*
No fewer than 40 credits chosen from:
BF 956 Organisational Buying Behaviour 5 10
BF 957 International Sourcing – Strategy and Management 5 10
BF 958 Procurement in the Public Sector 5 10
BF 959 Commercial and Mercantile Law 5 10
BF 960 Effective Project Management 5 10
BF 961 IT Management, E-Business and the Supply Chain 5 10
BF 962 Managing Relationships and Multi-Cultural Negotiations 5 10
BF 963 Logistics and Inventory Management 5 10

An MSc student who has studied the subject of any of the classes to an equivalent level may be required at the discretion of the relevant Head(s) of Department(s) to take an alternative class for each subject previously studied. Not more than two classes may normally be replaced, for one of which a dissertation may be substituted. Where both such classes are compulsory classes, a dissertation at an advanced level, on a topic nominated by the Course Director, shall normally be substituted for one such class.

* With the approval of the Course Director and the Course Director concerned, students may substitute equivalent approved classes from any other postgraduate course for one of the optional classes.

Students for the degree of MSc only:
BF 964 Individual Research Project and Dissertation 5 60

Examination, Progress and Final Assessment
19.80.104 Regulations 19.1.25 – 19.1.33 shall apply.
19.80.105 The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award
19.80.106 Degree of MSc: In order to qualify for the award of the degree of MSc in Procurement 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.
19.80.107 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Procurement Management, a student must have
accumulated no fewer than 120 credits from the taught classes of the course.

19.81 Department of Accounting and Finance

Finance

MSc in Finance
Postgraduate Diploma in Finance

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.81.1 Notwithstanding Regulations 19.1.1, applicants shall possess
(i) a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Mathematics, Statistics or Computing); or
(ii) a qualification deemed by the Course 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
19.81.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.81.3 The courses are available by full-time or part-time study or by open-learning.

Curriculum
19.81.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including all the compulsory classes and a dissertation or project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG909 Quantitative Methods for Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG910 Principles of Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG911 Accounting &amp; Financial Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG912 International Financial Markets &amp; Banking</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG915 Advanced Corporate Finance &amp; Applications</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG925 Derivatives and Treasury Management</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

Optional Classes
20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG916 Behavioural Finance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG918 Security Analysis</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
AG920 Management Accounting  5  10
AG923 Empirical Methods in Finance  5  10
AG924 Portfolio Theory & Management  5  10

Such other Level 5 classes as may be approved by the Course Director.

AG913 Dissertation  5  40
OR
AG913 Empirical Research Project  5  40

Examination, Progress and Final Assessment

19.81.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.81.6 The final assessment will be based on performance in the examinations, coursework, the dissertation or research projects where undertaken and, if required, in an oral examination.

Award

19.81.7 **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 either the dissertation or the research project.
19.81.8 **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 taught classes of the course.

19.81.9 to 19.81.19 (Numbers not used)
Accounting and Finance

MSc in International Accounting and Finance
Postgraduate Diploma in International Accounting and Finance

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.81.20 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree of a United Kingdom
   University, to include a significant element of accounting which may
   be included within a broader relevant area such as Finance,
   Economics, Mathematics, Statistics or Computing); or
(ii) a qualification deemed by the Course 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 competence in the English language.

Duration of Study
19.81.21 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.81.22 The courses are available by full-time study.

Curriculum
19.81.23 All students shall undertake an approved curriculum as follows:

   for the Postgraduate Diploma – no fewer than 120 credits from the
   compulsory classes
   for the degree of MSc – no fewer than 180 credits including a
   dissertation or project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG909  Quantitative Methods for Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG910  Principles of Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG911  Accounting &amp; Financial Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG912  International Financial Markets &amp; Banking</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG914  Advanced Accounting</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG915  Advanced Corporate Finance &amp; Applications</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG920  Management Accounting</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG913  Dissertation</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>AG913  Empirical Research Project</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

Optional Classes
10 credits chosen from:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG918  Security Analysis</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
AG921  International Accounting  5  10
AG923  Empirical Methods in Finance   5  10
AG924  Portfolio Theory and Management  5  10

Such other classes as may be approved by the Course Director.

**Examination, Progress and Final Assessment**

19.81.24  Regulations 19.1.25 – 19.1.33 shall apply.
19.81.25  The final assessment will be based on performance in the examinations, coursework, the dissertation or research projects where undertaken and, if required, in an oral examination.

**Award**

19.81.26  **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 either the dissertation or the research project.

19.81.27  **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in International Accounting and Finance, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.81.28  to 19.81.30  (Numbers not used)
International Banking and Finance

MSc in International Banking and Finance
Postgraduate Diploma in International Banking and Finance

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.81.31 Notwithstanding Regulations 19.1.1, applicants shall possess
(i) a first or second class Honours degree of a United Kingdom
University, in a relevant area (Finance, Economics,
Mathematics, Statistics or Computing); or
(ii) a qualification deemed by the Course 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

19.81.32 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.81.33 The courses are available by full-time study.

Curriculum

19.81.34 All students shall undertake an approved curriculum as follows:

for the Postgraduate Diploma – no fewer than 120 credits from the
compulsory classes
for the degree of MSc – no fewer than 180 credits including a
dissertation or project

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 909</td>
<td>Quantitative Methods for Finance</td>
<td>20</td>
<td>5</td>
</tr>
<tr>
<td>AG 910</td>
<td>Principles of Finance</td>
<td>20</td>
<td>5</td>
</tr>
<tr>
<td>AG 911</td>
<td>Accounting &amp; Financial Analysis</td>
<td>20</td>
<td>5</td>
</tr>
<tr>
<td>AG 912</td>
<td>International Financial Markets &amp; Banking</td>
<td>20</td>
<td>5</td>
</tr>
<tr>
<td>AG 917</td>
<td>Topics in Corporate Finance</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>AG 919</td>
<td>Risk Management of Banks</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>AG 922</td>
<td>Financial Management of Banks</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>AG 925</td>
<td>Derivatives and Treasury Management</td>
<td>20</td>
<td>5</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 913</td>
<td>Dissertation</td>
<td>40</td>
<td>5</td>
</tr>
</tbody>
</table>

Optional Classes
10 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 916</td>
<td>Behavioural Finance</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>AG 918</td>
<td>Security Analysis</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>AG 920</td>
<td>Management Accounting</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>AG 923</td>
<td>Empirical Methods in Finance</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>AG 924</td>
<td>Portfolio Theory and Management</td>
<td>10</td>
<td>5</td>
</tr>
</tbody>
</table>

211
Such other Level 5 classes as may be approved by the Course Director.

**Examination, Progress and Final Assessment**

19.81.35 Regulations 19.1.25 – 19.1.33 shall apply.
19.81.36 The final assessment will be based on performance in the examinations, coursework, the dissertation or research projects where undertaken and, if required, in an oral examination.

**Award**

19.81.37 **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 either the dissertation or the research project.

19.81.38 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Banking and Finance, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.81.39 to 19.81.40 (Numbers not used)
Investment and Finance

MSc in Investment and Finance
Postgraduate Diploma in Investment and Finance

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.81.41 Notwithstanding Regulations 19.1.1, applicants shall possess
(i) a first or second class Honours degree of a United Kingdom
University, in a relevant area (Finance, Economics,
Mathematics, Statistics or Computing); or
(ii) a qualification deemed by the Course 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
19.81.42 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.81.43 The courses are available by full-time study.

Curriculum
19.81.44 All students shall undertake an approved curriculum as follows:

for the Postgraduate Diploma – no fewer than 120 credits from the
compulsory classes
for the degree of MSc – no fewer than 180 credits including a
dissertation or project

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 909</td>
<td>Quantitative Methods for Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG 910</td>
<td>Principles of Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG 911</td>
<td>Accounting &amp; Financial Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG 912</td>
<td>International Financial Markets &amp; Banking</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG 917</td>
<td>Topics in Corporate Finance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 918</td>
<td>Security Analysis</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 924</td>
<td>Portfolio Theory &amp; Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 925</td>
<td>Derivatives &amp; Treasury Management</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

AG 913  Dissertation 5 40
Or
AG 913  Empirical Research Project 5 40
Optional Classes
10 credits chosen from
AG 923  Empirical Methods in Finance  5  10
or
AG 916  Behavioural Finance  5  10
or
Such other Level 5 classes as may be approved by the Course Director.

Examination, Progress and Final Assessment
19.81.45 Regulations 19.1.25 – 19.1.33 shall apply.
19.81.46 The final assessment will be based on performance in the examinations, coursework, the dissertation or research projects where undertaken and, if required, in an oral examination.

Award
19.81.47 **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 either the dissertation or the research project.

19.81.48 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Investment and Finance, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
Department of Economics

Applied Economics

MSc in Applied Economics
Postgraduate Diploma in Applied Economics
Postgraduate Certificate in Applied Economics

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.82.40 Notwithstanding Regulation 19.1.1 applicants shall possess
(i) a first or second class Honours degree of a United Kingdom university, in which Economics constitutes a significant component; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to the above: or
(iii) demonstrated competence in Economics obtained at a level of performance acceptable to the Course Director.
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

19.82.41 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.82.42 The courses are available by full-time, part-time study and by distance learning.

Curriculum

19.82.43 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the compulsory classes
for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes
for the degree of MSc – no fewer than 180 credits including a dissertation.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 916 Foundations of Microeconomics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 917 Further Topics in Microeconomics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 918 Macroeconomics for the Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 919 Macroeconomics for the Global Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 922 Principles of Economic Appraisal</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 923 Economic Appraisal of Programmes &amp; Policies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 920 Analysis of Economic Data</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 921 Quantitative Methods</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits chosen from the list below, and any other deemed appropriate by the Course Director:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 924</td>
<td>Fundamentals of Business Economics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 925</td>
<td>International Trade and Policy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 935</td>
<td>Games of Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 927</td>
<td>Environmental Economics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 928</td>
<td>Energy Economics</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 929</td>
<td>Dissertation</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.82.44 Regulations 19.1.25 – 19.1.33 shall apply.

19.82.45 As permitted by Regulation 19.1.27, a candidate for the degree of Master may be re-assessed in no more than four taught classes normally in the same academic year. The Board will determine whether the resit in the relevant class(es) should take the form of an examination or an assignment. Candidates studying on a part-time or distance learning basis will normally take examinations and/or assignments in the same years as the classes for which they are being examined and will be permitted to resit no more than four classes 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.

19.82.46 The final assessment will be based on performance in the examinations, the coursework, the Dissertation where undertaken and, if required, in an oral examination.

**Award**

19.82.47 **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 60 must have been awarded in respect of the Dissertation.

19.82.48 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Applied Economics, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.82.49 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Applied Economics, a candidate must have accumulated no fewer than 60 credits from the taught compulsory classes of the course.

19.82.50 (Number not used).
Global Energy Management

MSc in Global Energy Management
Postgraduate Diploma in Global Energy Management
Postgraduate Certificate in Global Energy Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.82.51 Notwithstanding Regulation 19.1.1 applicants shall possess
(i) a first or second class Honours degree of a United Kingdom university, in which relevant disciplines constitute a significant component; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate to be equivalent to the above; or
(iii) demonstrated competence in a relevant discipline obtained at a level of performance acceptable to the Course Director.
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
19.82.52 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.82.53 The courses are available by full-time and part-time study.

Curriculum
19.82.54 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the compulsory classes
for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes
for the degree of MSc – no fewer than 180 credits, including the project.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 933</td>
<td>Global Energy Issues, Industries and Markets</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EC 931</td>
<td>Energy Policy, Politics, Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Structures and Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EC934</td>
<td>Global Energy Technologies, Impacts and Implementation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EC932</td>
<td>Global Energy Forum</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional 20 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC916</td>
<td>Foundations of Microeconomics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC919</td>
<td>Macroeconomics in a Global Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC927</td>
<td>Environmental Economics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EC928 Energy Economics  5  10

40 credits from the following list of electives, or any other deemed appropriate by the Course Director.

EC 917 Further Topics in Microeconomics  5  10
EC 920 Analysis of Economic Data  5  10
EC 921 Quantitative Methods  5  10
EC 922 Principles of Economic Appraisal  5  10
EC 923 Economic Appraisal of Programmes and Policies  5  10
EC 911 International Trade, Theory, Policy & Institutions  5  20
EC 918 Macroeconomics for the Business Environment  5  10
EC 924 Fundamentals of Business Economics  5  10
EC 925 International Trade and Policy  5  10

Students for the degree of MSc only:
EC930 Summer Internship  5  40

Examination, Progress and Final Assessment

19.82.55 Regulations 19.1.25 – 19.1.33 shall apply.
19.82.56 As permitted by Regulation 19.1.27, a candidate for the degree of Master may be re-assessed in no more than four taught classes normally in the same academic year. The Board will determine whether the resit in the relevant class(es) should take the form of an examination or an assignment. Candidates studying on a part-time basis will normally take examinations and/or assignments in the same years as the classes for which they are being examined and will be permitted to resit no more than four classes 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.
19.82.57 The final assessment will be based on performance in the examinations, the coursework, the project report where undertaken and, if required, in an oral examination.

Award

19.82.58 Degree of MSc: In order to qualify for the award of the degree of MSc in Global Energy 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.
19.82.59 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Global Energy Management a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.82.60 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Global Energy Management, a candidate must have accumulated no fewer than 60 credits from the taught compulsory classes of the course.
Leadership for Global Sustainable Cities

MSc in Leadership for Global Sustainable Cities
Postgraduate Diploma in Leadership for Global Sustainable Cities
Postgraduate Certificate in Leadership for Global Sustainable Cities

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.82.82 Notwithstanding Regulation 19.1.1 applicants shall possess
(i) a first or second class Honours degree of a United Kingdom university, in
which relevant disciplines constitute a significant component; or
(ii) a qualification deemed by the Course Director acting on behalf of Senate
to be equivalent to the above; or
(iii) demonstrated competence in a relevant discipline obtained at a level of
performance acceptable to the Course Director.
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
19.82.83 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.82.84 The courses are available by full-time and part-time study.

Curriculum
19.82.85 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the
compulsory classes
for the Postgraduate Diploma – no fewer than 120 credits including all the
compulsory classes
for the degree of MSc – no fewer than 180 credits, including the project.

Compulsory Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC937</td>
<td>City Systems and Infrastructure</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC938</td>
<td>Global cities: society and sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC939</td>
<td>Understanding and modelling Cities</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC940</td>
<td>Business Models, Financing and Urban Business Case Analysis</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC941</td>
<td>City Design and Planning</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC942</td>
<td>Public Policy, Governance and Strategic Change in Cities</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC943</td>
<td>Leadership Skills for Urban Change</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
40 credits from such other classes as approved by the Course Director.
Students for the degree of MSc only:
EC944  Transformative Projects  5  60

Examination, Progress and Final Assessment
19.82.86  Regulations 19.1.25 – 19.1.33 shall apply.
19.82.87  The final assessment will be based on performance in the examinations, the coursework and the project reports where undertaken.

Award
19.82.88  Degree of MSc: In order to qualify for the award of the degree of MSc in Leadership for Global Sustainable Cities, 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.
19.82.89  Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Leadership for Global Sustainable Cities a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.82.90  Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Leadership for Global Sustainable Cities, a candidate must have accumulated no fewer than 60 credits from the taught compulsory classes of the course.

19.82.91 to
19.82.101 (Numbers not used)

MSc in Economics and Finance
Postgraduate Diploma in Economics and Finance
Postgraduate Certificate in Economics and Finance

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.81.102  Notwithstanding Regulations 19.1.1, applicants shall possess (i) a first or second class Honours degree of a United Kingdom University, in a relevant area (Finance, Accounting, Economics, Mathematics, Statistics or Computing); or (ii) a qualification deemed by the Course 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
19.81.103  Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.81.104  The courses are available by full-time or part-time study.

Curriculum
All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including all the
compulsory classes and a dissertation or project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 910 Principles of Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>AG 911 Accounting &amp; Financial Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>EC 916 Foundations of Microeconomics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 917 Further Topics in Microeconomics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 918 Macroeconomics for the Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 919 Macroeconomics for the Global Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 920 Analysis of Economic Data</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 921 Quantitative Methods</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

and

EITHER:

AG 915 Advanced Corporate Finance & Applications | 5 | 20 |

OR:

AG 925 Derivatives and Treasury Management | 5 | 20 |

OR

AG917 Topics in Corporate Finance | 5 | 10 |

AND

AG929 Derivatives | 5 | 10 |

Students for the degree of MSc only:

Optional Classes
20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 916 Behavioural Finance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 918 Security Analysis</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 920 Management Accounting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 921 International Accounting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 924 Portfolio Theory and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 922 Principles of Economic Appraisal</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 924 Fundamentals of Business Economics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 935 Games of Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 927 Environmental Economics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EC 928 Energy Economics</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

OR Such other Level 5 classes as may be approved by the Course Director.

Either

EC946 Dissertation | 5 | 40 |

OR

AG 913 Research Projects/Dissertation | 5 | 40 |
Examination, Progress and Final Assessment

19.81.106 Regulations 19.1.25 – 19.1.33 shall apply.

19.81.107 The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken.

Award

19.81.108 **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.

19.81.109 **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 classes of the course.

19.81.110 **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 classes of the course.

19.81.110 to 19.81.199 (Numbers not used)

19.84 Department of Human Resource Management

Human Resource Management

**MSc in Human Resource Management**
**Postgraduate Diploma in Human Resource Management**
**Postgraduate Certificate in Human Resource Management**

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.84.1 Regulations 19.1.1 - 19.1.3 shall apply. Non-graduate applicants should normally have at least 3 years relevant experience at an appropriate level in Personnel/Human Resources or Management.

Duration of Study

19.84.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.84.3 The courses are available by full-time and part-time study.

Curriculum

19.84.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 937</td>
<td>Employee Relations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>41 938</td>
<td>People Resourcing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 911</td>
<td>Employee Reward</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 913</td>
<td>Human Resource Development</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 916</td>
<td>HRM in a Business Context</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 917</td>
<td>Managing in Human Resources</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 922</td>
<td>Business Skills</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 923</td>
<td>Management Research Report</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 10 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 910</td>
<td>Employment Issues and the Law</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 918</td>
<td>Labour and Diversity in a Global Context</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 931</td>
<td>The Psychology of Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 938</td>
<td>Leadership*</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

* This class will only be available at SBS Spring School

Students for the degree of MSc only:

41 900 Methods of Professional Inquiry and Dissertation 5 60

Examination, Progress and Final Assessment

19.84.5 Regulations 19.1.25 – 19.1.33 shall apply.

19.84.6 Notwithstanding Regulation 19.1.20, candidates who fail to satisfy the Board of Examiners in not more than two classes through the entire course may be permitted, in the light of overall performance, one further attempt in the relevant class(es) normally in the same academic year.

Candidates who fail to satisfy the Board of Examiners in the Management Project Report, may, in the light of overall performance and subject to the approval of the Board of Examiners, be permitted to revise and re-submit their Management Project Report, normally within 9 months of the first submission.

19.84.7 The final assessment will be based on performance in all elements of the course and if appropriate an oral examination.

Award

19.84.8 **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.

19.84.9 **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 classes of the course.

19.84.10 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 classes of the course.
Equality in Pay and Reward

Postgraduate Certificate in Equality in Pay and Reward

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.84.11 Regulations 19.1.1 - 19.1.3 shall apply. Non-graduate applicants should normally have at least 3 years relevant experience in the field of pay and reward at an appropriate level.

Duration of Study
19.84.12 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.84.13 The course is available by distance learning only.

Curriculum
19.84.14 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR 925 The Context of Pay</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 926 Pay Relativities</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 927 Managing Pay Systems</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.84.15 Regulations 19.1.25 – 19.1.33 shall apply.
19.84.16 The final assessment will be based on performance in all elements of the course and, if appropriate, an oral examination.

Award
19.84.17 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Equality in Pay and Reward, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

International Human Resource Management

MSc in International Human Resource Management
Postgraduate Diploma in International Human Resource Management
Postgraduate Certificate in International Human Resource Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.84.21 Notwithstanding Regulation 19.1.1, applicants shall normally:
(i) possess a first or second class honours degree in any discipline from a United Kingdom University; or
(ii) possess other qualifications deemed, by the Course Director (or nominee) acting on behalf of Senate, to be equivalent to (i) above; or

(iv) be deemed, by the Course Director (or nominee) acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

Mode of Study

19.84.22 The courses are available by full-time study.

Curriculum

19.84.23 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR 914</td>
<td>Global Staffing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 915</td>
<td>Business Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 916</td>
<td>HRM in a Business Context</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 918</td>
<td>The Labour and Diversity in a Global Context</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 919</td>
<td>Comparative Employment Relations</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 920</td>
<td>Methods of Professional Enquiry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 923</td>
<td>Research Project</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 910</td>
<td>Employment Issues and the Law</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>41 937</td>
<td>Employee Relations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>41 938</td>
<td>People Resourcing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 911</td>
<td>Employee Reward</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 913</td>
<td>Human Resource Development</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 931</td>
<td>The Psychology of Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 938</td>
<td>Leadership*</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

*This class will only be available at SBS Spring School

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR 924</td>
<td>Dissertation</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.84.24 Regulations 19.1.25 – 19.1.33 shall apply.

19.84.25 Notwithstanding Regulation 19.1.20, a candidate who fails to satisfy the Board of Examiners in not more than two classes through the entire course may be permitted, in the light of overall performance, one further attempt in the relevant class(es) normally in the same academic year.

19.84.26 A candidate who fails to satisfy the Board of Examiners in the Research Project, may, in the light of overall performance and subject to the approval of the Board of Examiners, be permitted to revise and re-submit their Research Project, normally within 9 months of the first submission.

19.84.27 The final assessment will be based on performance in all elements of the course and, if appropriate, an oral examination.
Award

19.84.28 **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.

19.84.29 **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 course curriculum.

19.84.30 **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 course curriculum.

19.84.31 to 19.84.60 (Numbers not used.)

Business

Hospitality and Tourism Leadership

MSc in Hospitality and Tourism Leadership
Postgraduate Diploma in Hospitality and Tourism Leadership
Postgraduate Certificate in Hospitality and Tourism Leadership

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.84.61 Notwithstanding Regulations 19.1.1 candidates shall normally possess:

(i) a degree from a United Kingdom University and a minimum of three year’s relevant work experience; or

(ii) other qualifications deemed, by the Course Director 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

(iii) five years management experience and a satisfactory performance in an appropriate admissions test; or

(iv) be deemed, by the Course Director of the relevant study route, acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.

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

Duration of Study

19.84.62 Regulation 19.1.5 shall apply. Notwithstanding Regulation 19.1.6 the maximum duration of study for students will be 96 months.

Place of Study

19.84.63 The first six modules are delivered at the University's campus in Glasgow. The subsequent six modules are delivered at the University's campus in Glasgow and on the campuses of Cornell University, in Ithaca, New York, and Ecole Hôtelière de Lausanne (EHL) in Switzerland.
Mode of Study

19.84.64 The courses are available by part-time study.

Curriculum

19.84.65 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits for
for the degree of MSc – no fewer than 180 credits including a leadership project

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR932</td>
<td>Assessing the future and its impact on the hospitality and tourism industry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR934</td>
<td>Strategic Thinking for Corporate Venturing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR933</td>
<td>Learning and the Management of Talent</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR935</td>
<td>International Marketing and Brand Development</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR936</td>
<td>Leadership For Competitive Strategy Delivery</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR937</td>
<td>Leadership Skills Development</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>XX XXX</td>
<td>Strategic Revenue Management (Cornell Campus)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>XX XXX</td>
<td>Fundamentals Of Hotel Investment and Financing Decisions (Cornell Campus)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>XX XXX</td>
<td>Value Creation And Innovation (Lausanne Campus)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>XX XXX</td>
<td>Strategic Thinking in the Hospitality and Tourism Industries</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>XX XXX</td>
<td>A Business Approach to Hospitality and Tourism IT (Lausanne Campus)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>XX XXX</td>
<td>Planning For Profits: Operations Decision Making and Analysis</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Such other classes, at level 5, as may be approved by the Course Director.

Students for the degree of MSc only:

| XX XXX | Hospitality and Tourism Business Analysis                             | 5     | 10      |
| XX XXX | Leadership Project                                                   | 5     | 50      |

Examination, Progress and Final Assessment

19.84.66 Students are required to perform to the satisfaction of the Board of Examiners.

19.84.67 Students who fail to satisfy the Board of Examiners will be allowed one further attempt to pass the relevant class(es) and may, in the light of their overall performance, be permitted one further attempt to pass any one failed class normally as prescribed by the Board of Examiners.

19.84.68 The final assessment will be based on performance in all elements of the course.

Award

19.84.69 Degree of MSc: In order to qualify for the award of the degree of MSc in Hospitality and Tourism Leadership a candidate must have accumulated no
fewer than 180 credits, of which 50 must have been awarded in respect of the leadership project

19.84.70 **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Hospitality and Tourism Leadership, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.84.71 **Postgraduate Certificate**: In order to qualify for the award of the postgraduate Certificate in Hospitality and Tourism Leadership, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.84.72 to 19.91 (Numbers not used.)
19.92  Department of Strategy and Organisation

Business Administration

Master of Business Administration
Master of Business Administration with Specialisation in Leadership Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission

19.92.1  Notwithstanding Regulations 19.1.1 candidates shall normally:
(i)  possess a degree from a United Kingdom University; or
(ii)  possess other qualifications deemed, by the Course Director 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
(iii)  be deemed, by the Course Director of the relevant study route, acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

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, will normally be required to register first for the Postgraduate Diploma in Business and have a minimum of five years of relevant experience.

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.

19.92.2  Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.

Duration of Study

19.92.3  Regulation 19.1.5 shall apply. All students proceeding to Masters will be allowed one further year from the date of the final examination board for the dissertation.

Notwithstanding Regulation 19.1.6, 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

19.92.4  The courses are available by full-time and part-time study and by distance learning.
**Curriculum**

19.92.5

All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG 914 Managing People in Organizations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 915 Marketing Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 916 Operations Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 917 Financial and Management Accounting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 918 Finance and Financial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 919 Analytical Support for Decision Making</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 920 Exploring the International Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 921 Strategy Analysis and Evaluation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 922 Making Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 923 Strategic Consulting in Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 924 MBA Project</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>MG 982 The Reflective Practitioner</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

together with classes appropriate to the chosen course

**MBA**

Optional Classes

No fewer than 20 credits chosen from the classes listed in Regulation 19.92.6

**MBA with Specialisation in Leadership Studies**

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG817 Leadership in Organisations</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

**Special curriculum for students wishing to convert the MSc in Business and Management to the Master of Business Administration**

**for students registering prior to 2010/11**

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG 920 Exploring the International Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 922 Making Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 923 Strategic Consulting in Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 924 MBA Project</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>MG 982 The Reflective Practitioner</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

**for students registering with effect from 2010/11**

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG 920 Exploring the International Business Environment</td>
</tr>
<tr>
<td>MG 921 Strategy Analysis and Evaluation</td>
</tr>
<tr>
<td>MG 922 Making Strategy</td>
</tr>
<tr>
<td>MG 923 Strategic Consulting in Practice</td>
</tr>
<tr>
<td>MG 924 MBA Project</td>
</tr>
</tbody>
</table>
Optional Classes
No fewer than 20 credits chosen from the classes listed in Regulation 19.92.6

Approved List of Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GB 810</td>
<td>Global Operations Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>GB 867</td>
<td>Programme and Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>GB 868</td>
<td>Understanding Change</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>GB 872</td>
<td>Change Agency</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 905</td>
<td>Reflexive Management Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 935</td>
<td>Strategic Decision Making</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 936</td>
<td>Strategic Financial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 938</td>
<td>New Venture Creation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 940</td>
<td>Business Process Management with SAP</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 941</td>
<td>Strategic Risk Management and Accounting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 942</td>
<td>Leadership</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 943</td>
<td>Business Marketing Relationships</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 944</td>
<td>Managing for Shareholder Value</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 946</td>
<td>Effective Measurement of Business Performance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 947</td>
<td>Entrepreneurial Finance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 949</td>
<td>Project Risk Analysis and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 953</td>
<td>International Business</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 954</td>
<td>International Accounting and Finance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 959</td>
<td>Brand Development in Asia</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 971</td>
<td>Marketing in a Digital and Cross-Cultural World</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 974</td>
<td>Organisational Ethics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 975</td>
<td>Corporate Fraud</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 976</td>
<td>E-Business Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 977</td>
<td>International Financial Reporting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 978</td>
<td>International Supply Chain Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 979</td>
<td>Security Analysis and Portfolio Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 980</td>
<td>Treasury Management and International Finance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 981</td>
<td>Managing Integrated Marketing Communications</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 986</td>
<td>Managing Inter-Organizational Partnerships and Alliances</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 958</td>
<td>Advanced Making Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 804</td>
<td>Social Media Strategy &amp; Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 810</td>
<td>Managing in the Boardroom: Power, Politics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 926</td>
<td>Financial Markets and Corporate Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 816</td>
<td>Sustainability Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AG 927</td>
<td>Mergers and Acquisitions</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HR 939</td>
<td>People and Performance</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

231
Such other Level 5 classes as may be approved by the Course Director of the relevant study route.

Examination, Progress and Final Assessment

19.92.7 Regulations 19.1.25 – 19.1.33 shall apply.

19.92.8 The final assessment will be based on performance in all elements of the course.

19.92.9 **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 40 must have been awarded in respect of the MBA project.

19.92.10 **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 classes of the course.

19.92.11 **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Business Administration, a candidate must

19.92.12 **Degree of MBA in a named subject:** In order to qualify for the award of the degree of MBA in a named subject, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 Credits of which a prescribed number must be in their chosen named pathway and 40 must have been awarded in respect of the MBA project.

19.92.13 **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 classes of the course.

19.92.14 **Postgraduate Certificate:** In order to qualify for the award of the postgraduate Certificate in Business Administration in a named subject, a candidate must

### Transfer

19.92.15 In relation to the transfer from the Postgraduate Diploma in Business to the degree of Master of Business Administration the relevant parts of Regulations 19.1.29 – 19.1.33 shall apply as appropriate.

19.92.16 Applicants holding the MSc in Business and Management who wish to convert their degree to the MBA in accordance with Regulation 19.92.58 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.

19.92.17 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.

19.92.18 (Numbers not used).

### Business

#### Postgraduate Diploma in Business

#### Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

#### Admission

19.92.21 Notwithstanding Regulations 19.1.1 candidates shall normally possess:

(i) a degree from a United Kingdom University and a minimum of three year’s relevant work experience; or

(ii) other qualifications deemed, by the Course Director 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

(iv) five years management experience and a satisfactory performance in an appropriate admissions test; or

(v) be deemed, by the Course Director of the relevant study route, acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

**Duration of Study**

19.92.22 Regulation 19.1.5 shall apply. Notwithstanding Regulation 19.1.6 the maximum duration of study for students will be 72 months.

**Mode of Study**

19.92.23 The courses are available by full-time and part-time study and by distance learning.

**Curriculum**

19.92.24 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fewer than 120 credits chosen from</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MG915 Marketing Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG916 Operations Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG914 Managing People in Organizations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 917 Financial and Management Accounting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 918 Finance and Financial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 919 Analytical Support for Decision Making</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 920 Exploring the International Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 921 Strategy Analysis and Evaluation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 922 Making Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 923 Strategic Consulting in Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 982 The Reflective Practitioner</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
| Such other classes as may be approved by the Course Director or nominee. 

**Examination, Progress and Final Assessment**


19.92.26 The final assessment will be based on performance in all elements of the course.

**Award**

19.92.27 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 classes of the course.

**Transfer**

19.92.28 In relation to the transfer from the Postgraduate Diploma in Business to the degree of Master of Business Administration, the relevant parts of regulations 19.1.29 – 19.1.33 shall apply as appropriate.

19.92.29 to 19.92.30 (Numbers not used).
Management

Postgraduate Certificate in Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.92.31 Notwithstanding Regulations 19.1.1 candidates shall normally possess:
   (i) a degree from a United Kingdom University and a minimum of three year’s relevant work experience; or
   (ii) other qualifications deemed, by the Course Director 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
   (iv) five years management experience and a satisfactory performance in an appropriate admissions test; or
   (v) be deemed, by the Course Director of the relevant study route, acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

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

19.92.32 Applicants may also be required to obtain a satisfactory score in an admissions test and/or be called for interview.

Duration of Study

19.92.33 Regulation 19.1.5 shall apply.

Notwithstanding Regulation 19.1.6 the maximum duration of study for students will be 72 months.

Mode of Study

19.92.34 The courses are available by full-time and part-time study and by distance learning.

Curriculum

19.92.35 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Optional Classes*</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GB 962 Marketing Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>GB 963 Operations Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>GB 964 Managing People in Organizations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 917 Financial and Management Accounting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 918 Finance and Financial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 919 Analytical Support for Decision Making</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 920 Exploring the International Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 921 Strategy Analysis and Evaluation</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
MG 922 Making Strategy 5 10
MG 923 Strategic Consulting in Practice 5 10
MG 982 The Reflective Practitioner 5 20
Such other classes as may be approved by the Course Director or nominee.

* for certain pathways some of the above classes will be compulsory

Students enrolled on the Postgraduate Certificate (The Weir Group PLC) pathway shall undertake the following classes:

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG 918</td>
<td>Finance and Financial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 916</td>
<td>Operations Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 914</td>
<td>Managing People in Organisations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 937</td>
<td>Programme and Project Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from the classes listed below

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG 922</td>
<td>Making Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 921</td>
<td>Strategy, Analysis and Evaluation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 919</td>
<td>Analytical Support for Decision Making</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 920</td>
<td>Exploring the International Business Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 917</td>
<td>Financial and Management Accounting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 915</td>
<td>Marketing Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG 923</td>
<td>Strategic Consulting In Practice</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BF999</td>
<td>Managing Innovation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 831</td>
<td>Commercial Law</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Such other Level 5 classes as may be approved by the Course Director or nominee.

Examination, Progress and Final Assessment

19.92.36 Regulations 19.1.25 – 19.1.33 shall apply.
19.92.37 The final assessment will be based on performance in all elements of the course.

Award

19.92.38 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 classes of the course.
19.92.39 to 19.92.40 (Numbers not used)

Business and Management

MSc in Business and Management
Postgraduate Diploma in Business and Management
### Postgraduate Certificate in Business and Management

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1.]

**Admission**
19.92.41 Regulations 19.1.1 shall apply.

**Duration of Study**
19.92.42 Regulations 19.1.4 and 19.1.5 shall apply.

**Mode of Study**
19.92.43 The course is available by full-time study only.

**Curriculum**
19.92.44 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits from the curriculum
- for the Postgraduate Diploma – no fewer than 120 credits from the curriculum
- for the degree of MSc – no fewer than 180 credits from the curriculum including an individual or group project

**Compulsory Classes:**
- MG 926 Managing People in Organisations 5 10
- MG 925 Marketing Management 5 10
- MG 929 Finance and Financial Management 5 10
- MG 928 Analytical Support for Decision Making 5 10
- MG 927 Business Operations 5 10
- MG 930 Managerial Accounting 5 10
- MG 931 Business Strategy 5 10
- MG 932 Business Economics 5 10
- MG 934 Professional Management Practice 5 20

**Optional Classes**
20 credits from the following:
- MG 811 Programme and Project Management 5 10
- MG 814 Social Media Strategy and Practice 5 10
- MG 819 Developing Skills for Effective Management Consulting 5 10
- MG 822 Managing Innovation 5 10
- MG 824 Improving Management Decision Making 5 10
- MG 825 Strategic Financial Management 5 10
- MG 827 Exploring Resourceful Strategy Practice 5 10
- MG 955 Managing in Europe (Toulouse) 5 10

237
Such other Level 5 classes as may be approved by the Course Director or nominee.

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

Compulsory Classes

*either*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG 933</td>
<td>Individual Dissertation</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.92.45 Regulations 19.1.25 – 19.1.33 shall apply.

19.92.46 The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken and, if required, in an oral examination.

**Award**

19.92.47 **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 60 must have been awarded in respect of the dissertation.

19.92.48 **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 classes of the course.

19.92.49 **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 classes of the course.

19.92.59 to 19.92.100 (Numbers not used)
International Management

MSc in International Management
Postgraduate Diploma in International Management
Postgraduate Certificate in International Management

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.92.101 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.92.102 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.92.103 The courses are available by full-time study only.

Curriculum
19.92.104 All students shall undertake an approved curriculum as follows:
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG961 Global Business Environment</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MG962 Managing Across Cultures</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MG963 Strategub and Organsiation Across Borders</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MG964 International Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG965 International Human Resource Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG966 International Financial Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG967 International Entrepreneurship</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MG960 International Manager Development Programme</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
20 credits from the following:
| MG811 Programme and Project Management | 5 | 10 |
| MG825 Strategic Financial Management | 5 | 10 |
| MG814 Social Media Strategy and Practice | 5 | 10 |
| MG819 Developing Skills for Effective Management Consulting | 5 | 10 |
| MG822 Managing Innovation | 5 | 10 |
| MG824 Improving Management Decision Making | 5 | 10 |
| MG955 Managing in Europe (Tolouse) | 5 | 10 |
Such other Level 5 classes as may be approved by the Course Director or nominee.

Students for the degree of MSc only:
MG 970 Individual Dissertation

Examination, Progress and Final Assessment

19.92.106 The final assessment will be based on performance in the coursework, in the written examinations, the Dissertation and, if appropriate, in an oral examination.

Award

19.92.107 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 60 must have been awarded for the MIM Project.

19.92.108 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 classes of the course.

19.92.109 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 classes of the course.

19.92.109 to 19.92.110 (Numbers not used)
19.93 Department of Management Science

Operational Research

MSc in Operational Research
Postgraduate Diploma in Operational Research
Postgraduate Certificate in Operational Research

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.93.1 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.93.2 Regulations 19.1.5 and 19.1.6 shall apply. Notwithstanding Regulation 19.1.5, students studying by distance learning may take up to 36 months to complete the Postgraduate Certificate.

Mode of Study
19.93.3 The courses are available by full-time and part-time study and by distance learning.

Curriculum
19.93.4 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate - no fewer than 60 credits
- for the Postgraduate Diploma - no fewer than 120 credits
- for the Degree of MSc - no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 921 Foundations of Operational Research and Business Analysis</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 922 Quantitative Business Analysis</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 923 Managing Business Operations</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 924 Spreadsheet Modelling and Demand Forecasting</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 932 Operational Research Methods</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No fewer than 10 credits chosen from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MS 926 Business Simulation Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 927 Risk Analysis and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 931 Advanced Operations Research Modeling using Specialist Software Tools</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 933 Decision Analysis</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Students for the Postgraduate Diploma and the degree of MSc in addition shall undertake:

Compulsory Class
MS 935 Becoming an Effective OR Modeller 5 40

Optional Classes
No fewer than 20 credits chosen from the list of optional classes above.

Students for the degree of MSc only:
MS 931 Dissertation 5 60

**Examination, Progress and Final Assessment**
19.93.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.93.6 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**
19.93.7 **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.
19.93.8 **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 classes of the course.
19.93.9 **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 classes of the course.
19.93.10 to 19.93.40 (Numbers not used)
Business Analysis and Consulting

MSc in Business Analysis and Consulting
Postgraduate Diploma in Business Analysis and Consulting
Postgraduate Certificate in Business Analysis and Consulting

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.93.41 Regulation 19.1.1 shall apply.

Duration of Study
19.93.42 Regulations 19.1.5 and 19.1.6 shall apply. Notwithstanding Regulation 19.1.5, students studying by distance learning may take up to 36 months to complete the Postgraduate Certificate.

Mode of Study
19.93.43 The courses are available by full-time and part-time study and by distance learning.

Curriculum
19.93.44 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate - no fewer than 60 credits
- for the Postgraduate Diploma - no fewer than 120 credits
- for the Degree of MSc - no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 921</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Foundations of Operational Research and Business Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MS 922</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Quantitative Business Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MS 923</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Managing Business Operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MS 924</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Spreadsheet Modelling and Demand Forecasting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MS 925</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Strategy Modelling and Management</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 10 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 926 Business Simulation Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 927 Risk Analysis and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 928 Business Information Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 929 Performance Measurement and Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and the degree of MSc in addition shall undertake:
Compulsory Class

243
MS 930 Becoming an Effective Business Analyst  5  40

Optional Classes
No fewer than 20 credits chosen from the list of optional classes above

Students for the degree of MSc only:
MS 931 Dissertation  5  60

Examination, Progress and Final Assessment
19.93.45 Regulations 19.1.25 – 19.1.33 shall apply.
19.93.46 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
19.93.47 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.
19.93.48 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 classes of the course.
19.93.49 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 classes of the course.
Department of Marketing

Marketing

MSc in Marketing
MSc in Marketing with Specialisation in Customer Management
Postgraduate Diploma in Marketing
Postgraduate Certificate in Marketing

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.94.1 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or Upper second class Honours degree in any discipline from a United Kingdom university; or
(ii) a qualification deemed by the Course 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 competence in the English language.

Duration of Study
19.94.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.94.3 The courses are available by full-time study only.

Curriculum
19.94.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits including all the compulsory classes
for the degree of MSc – no fewer than 180 credits including a dissertation and an industry project.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 970 Strategic Marketing Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MK 977 International Marketing Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 972 Consumer Behaviour</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MK 983 Brand Management and Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 968 Key Skills</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 969 Dissertation Skills</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes:
No fewer than 40 credits chosen from

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 800 Sector Studies</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
MK 801  Service Encounter Management  5  10
MK 802  Social Marketing  5  10
MK 803  Sports Marketing in a Global Context  5  10
MK 951  Food, Beverage and Society  5  10
MK 962  Tourist Behaviour  5  10
MK 982  Area Studies  5  10
MK 984  Business-to-Business Marketing  5  10
MK 985  Contemporary Consumers  5  10
MK 986  Critical Marketing  5  10
MK 987  Customer/Business Metrics  5  10
MK 988  Customer Management 1  5  10
MK 989  Customer Management 2  5  10
MK 990  Destination Marketing and Management  5  10
MK 991  Entrepreneurial Marketing  5  10
MK 992  Export Marketing  5  10
MK 993  Hospitality and Tourism Entrepreneurship  5  10
MK 994  Integrated Marketing Communications  5  10
MK 995  International Channel Management  5  10
MK 996  International Culture and Heritage Marketing  5  10
MK 997  International Product Innovation  5  10
MK 998  International Services Marketing  5  10
MK 999  Retail Marketing Management  5  10

Specialisation in Customer Management

Optional Classes
No fewer than 20 credits chosen from the list of optional classes above

Students for the degree of MSc only:
MK 967  Dissertation  5  40
MK 973  Marketing Works  5  20

Students must undertake 20 of the total 40 credits of optional classes deemed appropriate by the department.

Examination, Progress and Final Assessment

19.94.5 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and, in the case of candidates for the degree of MSc, in the dissertation.

19.94.6 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 class(es) normally in the same academic year.

19.94.7 The final assessment will be based on performance in the examinations, coursework and the dissertation where undertaken.
Award

19.94.8 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 in respect of the dissertation.
In order to qualify for the award of the degree of MSc in Marketing with Specialisation in Customer 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 dissertation.

19.94.9 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.
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 classes of the course.

19.94.10 to 19.94.20 (Numbers not used)

International Marketing

MSc in International Marketing
MSc in International Marketing with Specialisation in Customer Management
Postgraduate Diploma in International Marketing
Postgraduate Certificate in International Marketing

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.94.21 Notwithstanding Regulation 19.1.1, applicants shall possess:
(i) a first or upper second class Honours degree of a United Kingdom University (in a cognate discipline); or
(ii) other qualification deemed by the Course Director acting on behalf of Senate to be equivalent; or
(iii) a first or upper second class Honours degree of a United Kingdom University (in a non-cognate discipline) and significant relevant Marketing experience.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.
Duration of Study
19.94.22 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.94.23 The courses are available by full-time study only.

Curriculum
19.94.24 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a
dissertation and an industry project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 975 Cross-Cultural Buyer Behaviour</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MK 977 International Marketing Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK XXX Strategic Global Marketing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MK 983 Brand Management and Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 968 Key Skills</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 969 Dissertation Skills</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 800 Sector Studies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 801 Service Encounter Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 802 Social Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 803 Sports Marketing in a Global Context</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 951 Food, Beverage and Society</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 962 Tourist Behaviour</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 982 Area Studies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 984 Business-to-Business Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 985 Contemporary Consumers</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 986 Critical Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 987 Customer/Business Metrics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 988 Customer Management 1</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 989 Customer Management 2</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 990 Destination Marketing and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 991 Entrepreneurial Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 992 Export Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 993 Hospitality and Tourism Entrepreneurship</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 994 Integrated Marketing Communications</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 995 International Channel Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 996 International Culture and Heritage Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 997 International Product Innovation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 998 International Services Marketing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 999 Retail Marketing Management</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Specialisation in Customer Management

Optional Classes
No fewer than 20 credits chosen from the list of optional classes above

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 967</td>
<td>Dissertation</td>
<td>5</td>
</tr>
<tr>
<td>MK978</td>
<td>Marketing Works International</td>
<td>5</td>
</tr>
</tbody>
</table>

Students must undertake 20 of the total 40 credits of optional classes deemed appropriate by the department.

Examination, Progress and Final Assessment

19.94.25 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and, in the case of candidates for the degree of MSc, in the dissertation.

19.94.26 Notwithstanding Regulation 19.1.30, candidates who fail to satisfy the examiners in not more than two classes 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 class(es), normally in the same academic year.

19.94.27 The final assessment will be based on performance in the coursework, in the written examinations and the dissertation where undertaken.

Award

19.94.28 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.

In order to qualify for the award of the degree of MSc in International Marketing with Specialisation in Customer 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 dissertation and 20 must be from the optional classes for the named pathway.

19.94.29 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 classes of the course.

19.94.30 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 classes of the course.

19.94.31 to 19.94.50 (numbers not used)
Tourism Marketing Management

MSc in Tourism Marketing Management
Postgraduate Diploma Tourism Marketing Management
Postgraduate Certificate Tourism Marketing Management

Course Regulations
(These regulations are to be read in conjunction with Regulation 19.1)

Admission
19.94.51 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or Upper second class Honours degree in any discipline from a United Kingdom university; or
(ii) a qualification deemed by the Course 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 competence in the English language.

Duration of Study
19.94.52 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.94.53 The courses are available by full-time study only.

Curriculum
19.94.54 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate - no fewer than 60 credits
- for the Postgraduate Diploma - no fewer than 120 credits including all the compulsory classes
- for the degree of MSc - no fewer than 180 credits including a dissertation and an Industry Project

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK 970 Strategic Marketing Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MK 927 Consumer Behaviour</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MK 977 International Marketing Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 808 Managing Tourism Resources</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 983 Brand Management and Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 990 Destination Marketing and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 998 International Services Marketing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MK 968 Key Skills</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MK 969 Dissertation Skills</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes:
No fewer than 10 credits chosen from
| MK 800 Sector Studies     | 5     | 10     |
Examination, Progress and Final Assessment

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

Award

19.94.56 **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.

19.94.57 **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 classes of the course.

19.94.58 **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 classes of the course.

19.94.59 to 19.119 (Numbers not used)
Faculty of Humanities and Social Sciences

19.120 Faculty Courses

Most postgraduate courses offered within the School of Education have a common structure within the Master of Education programme where award of qualifications depends upon pursuance of a named course or combination of courses.

**MEd degrees, associated Postgraduate Diplomas and Postgraduate Certificates**

**Postgraduate Certificate**

Adult Guidance
Autism
Early Years Pedagogy
Education Studies
Inclusive Education
Lifelong Learning in the Digital Age
Management and Leadership in Education
Philosophy with Children
Supporting Bilingual Learners in the Mainstream Classroom
Supporting Teacher Learning
Education Studies

**Postgraduate Diploma**

Adult Guidance
Autism
Early Years Pedagogy
Inclusive Education
Lifelong Learning in the Digital Age
Management and Leadership in Education
Scottish Qualification for Headship
Education Studies
Adult Guidance and Autism
Adult Guidance and Early Years Pedagogy
Adult Guidance and Education Studies
Adult Guidance and Inclusive Education
Adult Guidance and Lifelong Learning in the Digital Age
Adult Guidance and Management and Leadership in Education
Adult Guidance and Philosophy with Children
Adult Guidance and Supporting Bilingual Learners in the Mainstream Classroom

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Master of Education
Adult Guidance
Autism
Early Years Pedagogy
Education Studies
Inclusive Education
Management and Leadership in Education
Professional Practice
School Leadership and Management
Adult Guidance with Autism
Adult Guidance with Early Years Pedagogy
Adult Guidance with Education Studies
Adult Guidance with Inclusive Education
Adult Guidance with Lifelong Learning in the Digital Age
Adult Guidance with Management and Leadership in Education
Adult Guidance with Philosophy with Children
Adult Guidance with Supporting Bilingual Learners in the Mainstream Classroom
Adult Guidance with Supporting Teacher Learning
Autism with Adult Guidance
Autism with Early Years Pedagogy
Autism with Education Studies
Autism with Inclusive Education
Autism with Lifelong Learning in the Digital Age
Autism with Management with Leadership in Education
Autism with Philosophy with Children
Autism with Supporting Bilingual Learners in the Mainstream Classroom
Autism with Supporting Teacher Learning
Early Years Pedagogy with Adult Guidance
Early Years Pedagogy with Autism
Early Years Pedagogy with Education Studies
Early Years Pedagogy with Inclusive Education
Early Years Pedagogy with Lifelong Learning in the Digital Age
Early Years Pedagogy with Management and Leadership in Education
Early Years Pedagogy with Philosophy with Children
Early Years Pedagogy with Supporting Bilingual Learners in the Mainstream Classroom
Early Years Pedagogy with Supporting Teacher Learning
Education Studies with Adult Guidance
Education Studies with Autism
Education Studies with Early Years Pedagogy
Education Studies with Inclusive Education
Education Studies with Lifelong Learning in the Digital Age
Education Studies with Management and Leadership in Education
Education Studies with Philosophy with Children
Education Studies with Supporting Bilingual Learners in the Mainstream Classroom
Education Studies with Supporting Teacher Learning
Inclusive Education with Adult Guidance
Inclusive Education with Autism
Inclusive Education with Early Years Pedagogue
Inclusive Education with Education Studies
Inclusive Education with Lifelong Learning in the Digital Age
Inclusive Education with Management and Leadership in Education
Inclusive Education with Philosophy with Children
Inclusive Education with Supporting Bilingual Learners in the Mainstream Classroom
Inclusive Education with Supporting Teacher Learning
Management and Leadership in Education with Adult Guidance
Management and Leadership in Education with Autism
Management and Leadership in Education with Early Years Pedagogue
Management and Leadership in Education with Education Studies
Management and Leadership in Education with Inclusive Education
Management and Leadership in Education with Lifelong Learning in the Digital Age
Management and Leadership in Education with Philosophy with Children
Management and Leadership in Education with Supporting Bilingual Learners in the Mainstream Classroom
Management and Leadership in Education with Supporting Teacher Learning
Philosophy with Children with Adult Guidance
Philosophy with Children with Autism
Philosophy with Children with Early Years Pedagogue
Philosophy with Children with Education Studies
Philosophy with Children with Inclusive Education
Philosophy with Children with Lifelong Learning in the Digital Age
Philosophy with Children with Management and Leadership in Education
Philosophy with Children with Supporting Bilingual Learners in the Mainstream Classroom
Philosophy with Children with Supporting Teacher Learning
Professional Practice with Adult Guidance
Professional Practice with Autism
Professional Practice with Early Years Pedagogue
Professional Practice with Inclusive Education
Professional Practice with Lifelong Learning in the Digital Age
Professional Practice with Management and Leadership in Education
Professional Practice with Philosophy with Children
Professional Practice with Supporting Bilingual Learners in the Mainstream Classroom
Professional Practice with Supporting Teacher Learning
Supporting Bilingual Learners in the Mainstream Classroom with Adult Guidance
Supporting Bilingual Learners in the Mainstream Classroom with Autism
Supporting Bilingual Learners in the Mainstream Classroom with Early Years Pedagogue
Supporting Bilingual Learners in the Mainstream Classroom with Education Studies
Supporting Bilingual Learners in the Mainstream Classroom with Inclusive Education
Supporting Bilingual learners in the Mainstream classroom with Lifelong Learning in the Digital Age
Supporting Bilingual Learners in the Mainstream Classroom with Management and Leadership in Education
Supporting Bilingual Learners in the Mainstream Classroom with Philosophy with Children
Supporting Bilingual Learners in the Mainstream Classroom with Supporting Teacher Learning
Supporting Teacher Learning in the Mainstream Classroom with Adult Guidance
Supporting Teacher Learning with Autism
Supporting Teacher Learning with Early Years Pedagogue
Supporting Teacher Learning with Education Studies
Supporting Teacher Learning with Inclusive Education
Supporting Teacher Learning with Lifelong Learning in the Digital Age
Supporting Teacher Learning with Management and Leadership in Education
Supporting Teacher Learning Classroom with Philosophy with Children
Supporting Teacher Learning with Supporting Bilingual Learners in the Mainstream Classroom

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.120.1 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

Notwithstanding the provisions of Regulations 19.1.1 and 19.1.3, applicants for the Master of Education programme must usually be working in an appropriate professional context or have suitable access to an appropriate professional context

Applicants will normally be registered initially for the lowest level of qualification offered in the specific course. Progress to the next level of study is normally dependent on performance.

Notwithstanding Regulation 19.1.3, it may be possible for students to gain APL of up to 67% on admission to the Master's degree.

Duration of Study
19.120.2 Regulations 19.1.5 shall apply. Notwithstanding the provisions of Regulation 19.1.6, the maximum duration of study shall be for the degree of MEd by part-time study or distance learning - 108 months elapsed time; for the
Postgraduate Diploma by part time study or distance learning - 72 months elapsed time; for the Postgraduate Certificate by part-time study or distance learning - 36 months elapsed time

**Place of Study**

19.120.3 As permitted by Regulation 19.1.8, All Master of Education courses make use of distance learning and blended learning as well as on campus delivery

**Mode of Study**

19.120.4 All courses make use of blended learning and some distance learning. All courses are available on a part-time basis only with the exception of MEd in Autism MEd in Education Studies MEd in Management and Leadership in Education

**Curriculum**

19.120.5 All students shall undertake classes, subject to the approval of the Course Leader, within one of the following pathways, which are named postgraduate awards within the Master of Education Programme of the Faculty of Humanities, Arts and Social Sciences.

Students proceeding to the degree of Master shall undertake a report or dissertation as specified in Regulation 19.1.19.

Adult Guidance                          Regulation 19.120.6
Autism                                  Regulation 19.120.7
Early Years Pedagouge                   Regulation 19.120.8
Education Studies                       Regulation 19.120.9
Inclusive Education                     Regulation 19.120.10
Lifelong Learning in the Digital Age    Regulation 19.120.11
Management and Leadership in Education  Regulation 19.120.12
Professional Practice                   Regulation 19.120.13
School Leadership and Management        Regulation 19.120.14
Philosophy with Children                Regulation 19.120.15
Supporting Bilingual Learners in the    Regulation 19.120.16
Mainstream Classroom                    Regulation 19.120.17
Supporting Teacher Learning             Regulation 19.120.18
Adult Guidance with/and Autism          Regulation 19.120.19
Adult Guidance with/and                 Regulation 19.120.20
Early Years Pedagouge                   Regulation 19.120.21
Adult Guidance with/and Education Studies Regulation 19.120.22
Adult Guidance with/and Inclusive Education Regulation 19.120.23
Adult Guidance with/and Lifelong Learning in the Digital Age Regulation 19.120.24
Adult Guidance with/and Management and Leadership in Education Regulation 19.120.25
Adult Guidance with/and Philosophy with Children  Regulation 19.120.24
Adult Guidance with/and Supporting Bilingual Learners in the Mainstream Classroom Regulation 19.120.25
Adult Guidance with/and Supporting Teacher Learning  Regulation 19.120.26
Autism with Adult Guidance  Regulation 19.120.27
Autism with/and Early Years Pedagogue  Regulation 19.120.28
Autism with/and Education Studies  Regulation 19.120.29
Autism with/and Inclusive Education  Regulation 19.120.30
Autism with/and Lifelong Learning in the Digital Age  Regulation 19.120.31
Autism with/and Management with Leadership in Education  Regulation 19.120.32
Autism with/and Philosophy with Children  Regulation 19.120.33
Autism with/and Supporting Bilingual Learners in the Mainstream Classroom  Regulation 19.120.34
Autism with/and Supporting Teacher Learning  Regulation 19.120.35
Early Years Pedagogue with Adult Guidance  Regulation 19.120.36
Early Years Pedagogue with Autism  Regulation 19.120.37
Early Years Pedagogue with/and Education Studies  Regulation 19.120.38
Early Years Pedagogue with/and Inclusive Education  Regulation 19.120.39
Early Years Pedagogue with/and Lifelong Learning in the Digital age  Regulation 19.120.40
Early Years Pedagogue with/and Management and Leadership in Education  Regulation 19.120.41
Early Years Pedagogue with/and Philosophy with Children  Regulation 19.120.42
Early Years Pedagogue with/and Supporting Bilingual Learners in the Mainstream Classroom  Regulation 19.120.43
Early Years Pedagogue with/and Supporting Teacher Learning  Regulation 19.120.44
Education Studies with Adult Guidance  Regulation 19.120.45
Education Studies with Autism  Regulation 19.120.46
Education Studies with Early Years Pedagogue  Regulation 19.120.47
Education Studies with/and Inclusive Education in the Digital Age  Regulation 19.120.48
Education Studies with/and Lifelong Learning  Regulation 19.120.49
Education Studies with/and Management and Leadership in Education  Regulation 19.120.50
Education Studies with/and Philosophy with Children  Regulation 19.120.51
Education Studies with/and Supporting Bilingual Learners in the Mainstream Classroom  Regulation 19.120.52
Education Studies with/and Supporting Teacher Learning  Regulation 19.120.53
Inclusive Education with Adult Guidance  Regulation 19.120.54
Inclusive Education with Autism  Regulation 19.120.55
Inclusive Education with Early Years Pedagogue  Regulation 19.120.56
Inclusive Education with Education Studies  Regulation 19.120.57
Inclusive Education with/and Lifelong Learning in the Digital Age  Regulation 19.120.58
Inclusive Education with/and Management and Leadership in Education  Regulation 19.120.59
Inclusive Education with/and Philosophy with Children  Regulation 19.120.60
Inclusive Education with/and Supporting Bilingual Learners in the Mainstream Classroom  Regulation 19.120.61
Inclusive Education with/and Supporting Teacher Learning  Regulation 19.120.62
Management and Leadership in Education  Regulation 19.120.63
Management and Leadership in Education with Autism  Regulation 19.120.64
Management and Leadership in Education with Early Years Pedagogue  Regulation 19.120.65
Management and Leadership in Education with Education Studies  Regulation 19.120.66
Management and Leadership in Education with Inclusive Education  Regulation 19.120.67
Management and Leadership in Education with Lifelong Learning in the Digital Age  Regulation 19.120.68
Management and Leadership in Education with/and Philosophy with Children  Regulation 19.120.69
Management and Leadership in Education with/and Supporting Bilingual Learners in the Mainstream Classroom  Regulation 19.120.70
Management and Leadership in Education with/and Supporting Teacher Learning  Regulation 19.120.71
Philosophy with Children with Adult Guidance  Regulation 19.120.72
Philosophy with Children with Autism  Regulation 19.120.73
Philosophy with Children with Early Years Pedagogue  Regulation 19.120.74
Philosophy with Children with Education Studies  Regulation 19.120.75
Philosophy with Children with Inclusive Education  Regulation 19.120.76
Philosophy with Children with Lifelong Learning in the Digital Age  Regulation 19.120.77
<table>
<thead>
<tr>
<th>Program</th>
<th>Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education Studies</td>
<td>19.120.78</td>
</tr>
<tr>
<td>Philosophy with Children with Inclusive Education</td>
<td>19.120.79</td>
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<tr>
<td>Philosophy with Children with Lifelong Learning in the Digital Age</td>
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<tr>
<td>Philosophy with Children with Management and Leadership in Education</td>
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<tr>
<td>Philosophy with Children with/and Supporting Bilingual Learners in the Mainstream Classroom</td>
<td>19.120.82</td>
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<td>Philosophy with Children with/and Supporting Teacher Learning</td>
<td>19.120.83</td>
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<tr>
<td>Professional Practice with Adult Guidance</td>
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<tr>
<td>Professional Practice with Autism</td>
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<tr>
<td>Professional Practice with Early Years Pedagogue</td>
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<tr>
<td>Professional Practice with Inclusive Education</td>
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<tr>
<td>Professional Practice with Lifelong Learning in the Digital Age</td>
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<td>Professional Practice with Management and Leadership in Education</td>
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<tr>
<td>Professional Practice with Supporting Bilingual Learners in the Mainstream Classroom</td>
<td>19.120.90</td>
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<tr>
<td>Professional Practice with Supporting Bilingual Learners in the Mainstream Classroom with Adult Guidance</td>
<td>19.120.91</td>
</tr>
<tr>
<td>Professional Practice with Supporting Bilingual Learners in the Mainstream Classroom with Autism</td>
<td>19.120.92</td>
</tr>
<tr>
<td>Supporting Bilingual Learners in the Mainstream Classroom with Autism</td>
<td>19.120.93</td>
</tr>
<tr>
<td>Supporting Bilingual Learners in the Mainstream Classroom with Education Studies</td>
<td>19.120.94</td>
</tr>
<tr>
<td>Supporting Bilingual Learners in the Mainstream Classroom with Education Studies</td>
<td>19.120.95</td>
</tr>
<tr>
<td>Supporting Bilingual Learners in the Mainstream Classroom with Inclusive Education</td>
<td>19.120.96</td>
</tr>
<tr>
<td>Supporting Bilingual Learners in the Mainstream Classroom with Lifelong Learning in the Digital Age</td>
<td>19.120.97</td>
</tr>
<tr>
<td>Supporting Bilingual Learners in the Mainstream Classroom with Management and Leadership in Education</td>
<td>19.120.98</td>
</tr>
<tr>
<td>Supporting Bilingual Learners in the Mainstream Classroom with Lifelong Learning in the Digital Age</td>
<td>19.120.99</td>
</tr>
</tbody>
</table>
Mainstream Classroom with Philosophy with Children  Regulation 19.120.100
Supporting Bilingual Learners in the Mainstream Classroom with/and Supporting Teacher Learning  Regulation 19.120.101
Supporting Teacher Learning in the Mainstream Classroom with Adult Guidance  Regulation 19.120.102
Supporting Teacher Learning with Autism  Regulation 19.120.103
Supporting Teacher Learning with Early Years Pedagogy  Regulation 19.120.104
Supporting Teacher Learning with Education Studies  Regulation 19.120.105
Supporting Teacher Learning with Inclusive Education  Regulation 19.120.106
Supporting Teacher Learning with Lifelong Learning in the Digital Age  Regulation 19.120.107
Supporting Teacher Learning with Management and Leadership in Education  Regulation 19.120.108
Supporting Teacher Learning Classroom with Philosophy with Children  Regulation 19.120.109
Supporting Teacher Learning with Supporting Bilingual Learners in the Mainstream Classroom  Regulation 19.120.110

MEd, Postgraduate Diploma and Postgraduate Certificate in Adult Guidance

19.120.6 All students shall undertake an approved curriculum as follows

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3936</td>
<td>The Organisation and Practice of Adult Guidance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3939</td>
<td>Interviewing and Counselling Skills in Adult Guidance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3937</td>
<td>Information Resources and Marketing Strategies in Adult Guidance</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

Compulsory Class

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3932</td>
<td>Work Based Learning Agreement</td>
<td>5</td>
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</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3940</td>
<td>Professional and Ethical Issues in Adult Guidance</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
Students for the degree of MEd only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3907</td>
<td>Dissertation; Research Methods and Ethics (Adult Guidance)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3908</td>
<td>Dissertation; Final Project (Adult Guidance)</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

**MEd, Postgraduate Diploma and Postgraduate Certificate in Autism**

19.120.7 All students for the Certificate shall undertake an approved curriculum as follows

**Compulsory Classes**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9808</td>
<td>Theory and Practice 1: Conceptual Frameworks in Autism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7798</td>
<td>Theory and Practice 2: The Spectrum of Autism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7799</td>
<td>Theory and Practice 3: Responding to the Impact of Autism</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Or (distance learning)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3944</td>
<td>Theory and Practice 1: Conceptual Frameworks in Autism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3945</td>
<td>Theory and Practice 2: The Spectrum of Autism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3946</td>
<td>Theory and Practice 3: Responding to the Impact of Autism</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

**Compulsory Class**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3962</td>
<td>Emotional Wellbeing in Autism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3963</td>
<td>Emotional Wellbeing in Autism (Distance)</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

**Optional Classes**

No fewer than 40 credits chosen from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3947</td>
<td>Understanding the Impact of Autism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3948</td>
<td>Understanding the Impact of Autism (Distance)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3954</td>
<td>Multidisciplinary and Family Support</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3958</td>
<td>Counselling Skills in Autism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3964</td>
<td>Autism and Schooling: The Autism</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
Toolbox
X3965  Autism and Schooling: The Autism  5  20
Toolbox (Distance)
X3960  Autism: Becoming a Trainer  5  20
X3961  Autism: Becoming a Trainer (Distance)  5  20

Students for the degree of MEd only:
X3909  Dissertation 1; Methods and Ethics (Autism)  5  20
X3921  Dissertation 2; Final Report (Autism)  5  40

**MEd, Postgraduate Diploma and Postgraduate Certificate in Early Years Pedagogy**

19.120.8  All students shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7789  Taking Action: Child, Family and Community Efficacy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9802  Listening to Children and Hearing Their Voices</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9854  Creating Stimulating Learning Environments Inside and Out</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9876  The Connected Child</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7797  Leading in a Time of Change.</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9644  Child Centred and Child Focused Approaches to Practitioner Research</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>One other available Master of Education class</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MEd only:

| Dissertation; Research Methods and Ethics (Early Years Pedagogy) | 5  | 20      |
| Dissertation; Final Project (Early Years Pedagogy)  | 5  | 40      |

**MEd, Postgraduate Diploma and Postgraduate Certificate in Education Studies**

19.120.9  Students registering for a Postgraduate Certificate shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3934  Critical Reading and Writing</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No less than 40 credits from:
Any other available Master of Education class 5
20/40

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

Optional Classes
No less then 60 credits from:
Any other available Master of Education class 5
20/40

Students with existing level 5 credits registering for Postgraduate Diploma or MEd Education Studies beyond the Postgraduate Certificate stage do not need to take X3934 Critical Reading and Writing

Students for the degree of MEd only:
X3905 Dissertation; Research Methods and Ethics 5 20
(Education Studies)
X3923 Dissertation; Final Project 5 40
(Education Studies)

**MEd, Postgraduate Diploma and Postgraduate Certificate in Inclusive Education**

19.120.10 Students registering for a Postgraduate Certificate shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9743 Understanding Inclusive Education</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9744 Providing Effective Educational Support</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9745 Working Together in Educational Settings</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

Optional Classes
No fewer than 60 credits chosen from
X9701 Inclusive Pedagogy 5 20
X9784 Supporting Numeracy. 5 20
X9746 Supporting Language and Literacy 5 20
X9722 Health and Wellbeing 5 20
Any other available Master of Education class 5 20

Students for the degree of MEd only:
X3911 Dissertation; Research Methods and Ethics 5 20
(Inclusive Education)
X3923 Dissertation; Final Project (Inclusive Education) 5 40
Postgraduate Diploma and Postgraduate Certificate in Lifelong Learning in the Digital Age

19.120.11 Students registering for a PGC shall undertake an approved curriculum as follows

No fewer than 60 credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3900</td>
<td>Technology Enhanced Learning: Theory and Practice</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9888</td>
<td>Education and Lifelong Learning: International Perspectives</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7778</td>
<td>Innovations and Lifelong Learning</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3957</td>
<td>Online Communities and Networks for Lifelong Learning</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3956</td>
<td>Digital Literacies: Living, Working and Learning in the Network Society</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3955</td>
<td>Curriculum Innovation for Technology; Designing for Context</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma in addition will undertake:

No fewer than 60 additional credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3900</td>
<td>Technology Enhanced Learning: Theory and Practice</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9888</td>
<td>Education and Lifelong Learning: International Perspectives</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7778</td>
<td>Innovations and Lifelong Learning</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3957</td>
<td>Online Communities and Networks for Lifelong Learning</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3956</td>
<td>Digital Literacies: Living, Working and Learning in the Network Society</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3955</td>
<td>Curriculum Innovation for Technology; Designing for Context</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Any 20 credit option module from the Master of Education programme approved by the course leader

MEd, Postgraduate Diploma and Postgraduate Certificate in Management and Leadership in Education

19.120.12 Students registering for a Postgraduate Certificate shall undertake an approved curriculum as follows
Compulsory Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9786</td>
<td>Management and Leadership 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9794</td>
<td>Management and Leadership 2</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9788</td>
<td>Introduction to Quality and Performance Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9793</td>
<td>Education and the Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9787</td>
<td>Management and Leadership</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9785</td>
<td>Leading and Managing People</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9789</td>
<td>Management of Change</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9791</td>
<td>Leading Teaching and Learning</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9790</td>
<td>Managing Effective Learning for All</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9792</td>
<td>Management and Leadership in Secondary Guidance/Pastoral Care</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

Compulsory Class

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9788</td>
<td>Management and Leadership 3</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 40 credits chosen from the options list above

Students for the degree of MEd only:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3912</td>
<td>Dissertation; Research Methods and Ethics (Management and Leadership in Education)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3925</td>
<td>Dissertation; Final Project (Management and Leadership in Education)</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>

MEd, Postgraduate Diploma and Postgraduate Certificate in Professional Practice

19.120.13 Students registering for a Postgraduate Certificate shall undertake an approved curriculum as follows

Compulsory Class

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3934</td>
<td>Critical Reading and Writing</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No less than 40 credits from:

Any other available Master of Education class | 5 | 20/40 |
Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

Optional Classes
No less than 60 credits from:
Any other available Master of Education class 5

Students with existing level 5 credits registering for Postgraduate Diploma or MEd Professional Practice beyond the Postgraduate Certificate stage do not need to take X3934 Critical Reading and Writing

Students for the degree of MEd only:
X3906 Dissertation; Research Methods and Ethics 5 20 (Professional Practice)
X3922 Dissertation; Final Project 5 40 (Professional Practice)

**MEd, Postgraduate Diploma in School Leadership and Management (Scottish Qualification for Headship)**

19.120.14 All students shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7794 Educational Leadership</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>X7795 Developing Capability for Improvement</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>X7796 Leading and Managing to Improve Learning Part 1</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>X7997 Leading and Managing to Improve Learning Part 2</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Students for the degree of MEd only:
X3913 Dissertation; Research Methods and Ethics 5 20 (School Leadership and Management)
X3926 Dissertation; Final Project 5 40 (School Leadership and Management)

Students who exit with fewer than 120 credits can be awarded the Postgraduate Certificate in Education Studies.

Students who have completed the Postgraduate Diploma in School Leadership and Management (Scottish Qualification for Headship) and who have an additional 60 level 5 credits in an area deemed relevant by the Course Leader, may exit with an MEd in School Leadership and Management (Scottish Qualification for Headship).
Postgraduate Certificate in Philosophy with Children

19.120.15 All students shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3902 Introduction to Philosophy and Philosophical Practice</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3901 Philosophy with Children: Theory</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3903 Philosophy with Children: Facilitation</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

19.120.16 All students shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3941 Theory and Practice in Supporting Bilingual Learners</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3942 Policy and Practice in Supporting Bilingual Learners</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3943 Action Research to Support Bilingual Learners</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Postgraduate Certificate in Supporting Teacher Learning

19.120.17 All students shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9797 How Teachers Learn</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9798 Contemporary Contexts for Teacher Learning and Teachers’ Work</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9799 Supporting Professional Learning in the Workplace</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

MEd, Postgraduate Diploma in Adult Guidance with/and Autism

19.120.18 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Autism.

Students for the degree of MEd only:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3907 Dissertation; Research Methods and Ethics (Adult Guidance)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3908 Dissertation; Final Project (Adult Guidance)</td>
<td>5</td>
<td>40</td>
</tr>
</tbody>
</table>
MEd, Postgraduate Diploma in Adult Guidance with/and Early Years Pedagogue

19.120.19 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Early Years Pedagogue

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics (Adult Guidance) 5 20
X3908 Dissertation; Final Project (Adult Guidance) 5 40

MEd, Postgraduate Diploma in Adult Guidance with/and Education Studies

19.120.20 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and not less than 60 credits from Education Studies

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics (Adult Guidance) 5 20
X3908 Dissertation; Final Project (Adult Guidance) 5 40

MEd, Postgraduate Diploma in Adult Guidance with/and Inclusive Education

19.120.21 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Inclusive Education

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics (Adult Guidance) 5 20
X3908 Dissertation; Final Project (Adult Guidance) 5 40

Postgraduate Diploma in Adult Guidance with/and Lifelong Learning in the Digital Age

19.120.22 All students shall undertake the approved curriculum for PGC Adult Guidance and for PGC Lifelong Learning in the Digital Age

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics (Adult Guidance) 5 20
X3908 Dissertation; Final Project (Adult Guidance) 5 40

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MEd, Postgraduate Diploma in Adult Guidance with/and Management and Leadership in Education

19.120.23 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Management and Leadership in Education

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics  5  20 (Adult Guidance)
X3908 Dissertation; Final Project (Adult Guidance)  5  40

MEd, Postgraduate Diploma in Adult Guidance with/and Philosophy with Children

19.120.24 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Philosophy with Children

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics  5  20 (Adult Guidance)
X3908 Dissertation; Final Project (Adult Guidance)  5  40

MEd, Postgraduate Diploma in Adult Guidance with/and Supporting Bilingual Learners in the Mainstream Classroom

19.120.25 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics  5  20 (Adult Guidance)
X3908 Dissertation; Final Project (Adult Guidance)  5  40

MEd, Postgraduate Diploma in Adult Guidance with/and Supporting Teacher Learning

19.120.26 All students shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Supporting Teacher Learning

Students for the degree of MEd only:
X3907 Dissertation; Research Methods and Ethics  5  20 (Adult Guidance)
X3908 Dissertation; Final Project (Adult Guidance)  5  40
MEd, Postgraduate Diploma in Autism with/and Adult Guidance

19.120.27 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Adult Guidance and

X3907 Dissertation; Research Methods and Ethics 5 20 (Autism)
X3908 Dissertation; Final Project (Autism) 5 40

MEd, Postgraduate Diploma in Autism with/and Early Years Pedagogue

19.120.28 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Early Years Pedagogue and

X3909 Dissertation; Research Methods and Ethics 5 20 (Autism)
X3921 Dissertation; Final Project (Autism) 5 40

MEd, Postgraduate Diploma in Autism with/and Education Studies

19.120.29 All students shall undertake the approved curriculum for Postgraduate Certificate in Autism and not less than 60 credits from Education Studies

Students for the degree of MEd only:
X3909 Dissertation; Research Methods and Ethics 5 20 (Autism)
X3921 Dissertation; Final Project (Autism) 5 40

MEd, Postgraduate Diploma in Autism with/and Inclusive Education

19.120.30 All students shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Inclusive Education

Students for the degree of MEd only:
X3909 Dissertation; Research Methods and Ethics 5 20 (Autism)
X3921 Dissertation; Final Project (Autism) 5 40

Postgraduate Diploma in Autism with/and Lifelong Learning in the Digital Age

19.120.31 All students shall undertake the approved curriculum for PGC Autism and for PGC Lifelong Learning in the Digital Age

Students for the degree of MEd only:
X3909 Dissertation; Research Methods and Ethics 5 20
MEd, Postgraduate Diploma in Autism with/and Management and Leadership in Education

19.120.32 All students shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Management and Leadership in Education

Students for the degree of MEd only:
X3909 Dissertation; Research Methods and Ethics (Autism) 5 20
X3921 Dissertation; Final Project (Autism) 5 40

MEd, Postgraduate Diploma in Autism with/and Philosophy with Children

19.120.33 All students shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Philosophy with Children

Students for the degree of MEd only:
X3909 Dissertation; Research Methods and Ethics (Autism) 5 20
X3921 Dissertation; Final Project (Autism) 5 40

MEd, Postgraduate Diploma in Autism with/and Supporting Bilingual Learners in the Mainstream Classroom

19.120.34 All students shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

Students for the degree of MEd only:
X3909 Dissertation; Research Methods and Ethics (Autism) 5 20
X3921 Dissertation; Final Project (Autism) 5 40

MEd, Postgraduate Diploma in Autism with/and Supporting Teacher Learning

19.120.35 All students shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Supporting Teacher Learning

Students for the degree of MEd only:
X3909 Dissertation; Research Methods and Ethics (Autism) 5 20
X3921  Dissertation; Final Project (Autism) 5 40

**MEd Early Years Pedagogue with Adult Guidance**

19.120.36  Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and for Postgraduate Certificate in Early Years Pedagogue and

X3910  Dissertation; Research Methods and Ethics 5 20
(Early Years Pedagogue)

X3920  Dissertation; Final Project 5 40
(Early Years Pedagogue)

**MEd Early Years Pedagogue with Autism**

19.120.37  Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Early Years Pedagogue and

Students for the degree of MEd only:
X3910  Dissertation; Research Methods and Ethics 5 20
(Early Years Pedagogue)

X3920  Dissertation; Final Project 5 40
(Early Years Pedagogue)

**MEd, Postgraduate Diploma in Early Years Pedagogue with/and Education Studies**

19.120.38  All students shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and not less than 60 credits from Education Studies

Students for the degree of MEd only:
X3910  Dissertation; Research Methods and Ethics 5 20
(Early Years Pedagogue)

X3920  Dissertation; Final Project 5 40
(Early Years Pedagogue)

**MEd, Postgraduate Diploma in Early Years Pedagogue with/and Inclusive Education**

19.120.39  All students shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and for Postgraduate Certificate in Inclusive Education

Students for the degree of MEd only:
X3910  Dissertation; Research Methods and Ethics 5 20
(Early Years Pedagogue)
X3920  Dissertation; Final Project  
(Early Years Pedagogue)  5 40

**MEd, Postgraduate Diploma in Early Years Pedagogue with/and Lifelong Learning in the Digital Age**

19.120.40  All students shall undertake the approved curriculum for PGC Early Years Pedagogue and for PGC Lifelong Learning in the Digital Age

Students for the degree of MEd only:
X3910  Dissertation; Research Methods and Ethics  5 20  
(Early Years Pedagogue)  
X3920  Dissertation; Final Project  5 40  
(Early Years Pedagogue)

**MEd, Postgraduate Diploma in Early Years Pedagogue with/and Management and Leadership in Education**

19.120.41  All students shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and for Postgraduate Certificate in Management and Leadership in Education

Students for the degree of MEd only:
X3910  Dissertation; Research Methods and Ethics  5 20  
(Early Years Pedagogue)  
X3920  Dissertation; Final Project  5 40  
(Early Years Pedagogue)

**MEd, Postgraduate Diploma in Early Years Pedagogue with/and Philosophy with Children**

19.120.42  All students shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and for Postgraduate Certificate in Philosophy with Children

Students for the degree of MEd only:
X3910  Dissertation; Research Methods and Ethics  5 20  
(Early Years Pedagogue)  
X3920  Dissertation; Final Project  5 40  
(Early Years Pedagogue)

**MEd, Postgraduate Diploma in Early Years Pedagogue with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.43  All students shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

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Students for the degree of MEd only:
X3910 Dissertation; Research Methods and Ethics 5 20 (Early Years Pedagogue)
X3920 Dissertation; Final Project 5 40 (Early Years Pedagogue)

MEd, Postgraduate Diploma in Early Years Pedagogue with/and Supporting Teacher Learning

19.120.44 All students shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and for Postgraduate Certificate in Supporting Teacher Learning

Students for the degree of MEd only:
X3910 Dissertation; Research Methods and Ethics 5 20 (Early Years Pedagogue)
X3920 Dissertation; Final Project 5 40 (Early Years Pedagogue)

MEd Education Studies with Adult Guidance

19.120.45 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Adult Guidance and no less than 60 credits from Education Studies and

X3905 Dissertation; Research Methods and Ethics 5 20 (Education Studies)
X3923 Dissertation; Final Project 5 40 (Education Studies)

MEd Education Studies with Autism

19.120.46 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Autism and no less than 60 credits from Education Studies and

Students for the degree of MEd only:
X3905 Dissertation; Research Methods and Ethics 5 20 (Education Studies)
X3923 Dissertation; Final Project 5 40 (Education Studies)

MEd Education Studies with Early Years Pedagogue
19.120.47 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and no less than 60 credits from Education Studies and

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**MEd, Postgraduate Diploma in Education Studies with/and Inclusive Education**

19.120.48 All students shall undertake the no less than 60 credits from Education Studies and the approved curriculum for Postgraduate Certificate in Inclusive Education

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<td>Dissertation; Final Project (Education Studies)</td>
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**MEd, Postgraduate Diploma in Education Studies with/and Lifelong Learning in the Digital Age**

19.120.49 All students shall undertake no less than 60 credits from Education Studies and the approved curriculum for PGC Lifelong Learning in the Digital Age

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**MEd, Postgraduate Diploma in Education Studies with/and Management and Leadership in Education**

19.120.50 All students shall undertake no less than 60 credits from Education Studies and the approved curriculum for Postgraduate Certificate in Management and Leadership in Education

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<td>Dissertation; Final Project (Education Studies)</td>
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MEd, Postgraduate Diploma in Education Studies with/and Philosophy with Children

19.120.51 All students shall undertake no less than 60 credits from Education Studies and for the approved curriculum for Postgraduate Certificate in Philosophy with Children

Students for the degree of MEd only:
X3905 Dissertation; Research Methods and Ethics 5 20 (Education Studies)
X3923 Dissertation; Final Project 5 40 (Education Studies)

MEd, Postgraduate Diploma in Education Studies with/and Supporting Bilingual Learners in the Mainstream Classroom

19.120.52 All students shall undertake no less than 60 credits from Education Studies and the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

Students for the degree of MEd only:
X3905 Dissertation; Research Methods and Ethics 5 20 (Education Studies)
X3923 Dissertation; Final Project 5 40 (Education Studies)

MEd, Postgraduate Diploma in Education Studies with/and Supporting Teacher Learning

19.120.53 All students shall undertake no less than 60 credits from Education Studies and the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning

Students for the degree of MEd only:
X3905 Dissertation; Research Methods and Ethics 5 20 (Education Studies)
X3923 Dissertation; Final Project 5 40 (Education Studies)

MEd Inclusive Education with Adult Guidance

19.120.54 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Inclusive Education and for Postgraduate Certificate in Adult Guidance and

X3911 Dissertation; Research Methods and Ethics 5 20
MEd Inclusive Education with Autism

19.120.55 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Autism and for Postgraduate Certificate in Inclusive Education and

X3911 Dissertation; Research Methods and Ethics 5  20
X3919 Dissertation; Final Project 5  40

MEd Inclusive Education with Early Years Pedagogue

19.120.56 All students shall undertake the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and for Postgraduate Certificate in Inclusive Education and

X3911 Dissertation; Research Methods and Ethics 5  20
X3919 Dissertation; Final Project 5  40

MEd, Postgraduate Diploma in Inclusive Education with Education Studies

19.120.57 All students shall undertake the approved curriculum for Postgraduate Certificate in Inclusive Education and no less than 60 credits from Education Studies and

X3911 Dissertation; Research Methods and Ethics 5  20
X3919 Dissertation; Final Project 5  40

Postgraduate Diploma in Inclusive Education with/and Lifelong Learning in the Digital Age

19.120.58 All students shall undertake the approved curriculum for PGC in Inclusive Education and for PGC in Lifelong Learning in the Digital Age

Students for the degree of MEd only:
X3911 Dissertation; Research Methods and Ethics 5  20
X3919 Dissertation; Final Project 5  40

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MEd, Postgraduate Diploma in Inclusive Education with/and Management and Leadership in Education

19.120.59 All students shall undertake the approved curriculum for Postgraduate Certificate in Inclusive Education and for Postgraduate Certificate in Management and Leadership in Education

Students for the degree of MEd only:
X3911 Dissertation; Research Methods and Ethics 5 20 (Inclusive Education)
X3919 Dissertation; Final Project 5 40 (Inclusive Education)

MEd, Postgraduate Diploma in Inclusive Education with/and Philosophy with Children

19.120.60 All students shall undertake the approved curriculum for Postgraduate Certificate in Inclusive Education and for Postgraduate Certificate in Philosophy with Children

Students for the degree of MEd only:
X3911 Dissertation; Research Methods and Ethics 5 20 (Inclusive Education)
X3919 Dissertation; Final Project 5 40 (Inclusive Education)

MEd, Postgraduate Diploma in Inclusive Education with/and Supporting Bilingual Learners in the Mainstream Classroom

19.120.61 All students shall undertake the approved curriculum for Postgraduate Certificate in Inclusive Education and for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

Students for the degree of MEd only:
X3911 Dissertation; Research Methods and Ethics 5 20 (Inclusive Education)
X3919 Dissertation; Final Project 5 40 (Inclusive Education)

MEd, Postgraduate Diploma in Inclusive Education with/and Supporting Teacher Learning

19.120.62 All students shall undertake the approved curriculum for Postgraduate Certificate in Inclusive Education and for Postgraduate Certificate in Supporting Teacher Learning

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Students for the degree of MEd only:

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**Postgraduate Diploma in Lifelong Learning in the Digital Age and Management and Leadership in Education**

19.120.63 All students shall undertake the approved curriculum for PGC in Lifelong Learning in the Digital Age and for PGC in Management and Leadership in Education

**Postgraduate Diploma in Lifelong Learning in the Digital Age and Philosophy with Children**

19.120.64 Postgraduate Diploma in Lifelong Learning in the Digital Age and Philosophy with Children

**Postgraduate Diploma in Lifelong Learning in the Digital Age and Supporting Bilingual Learners**

19.120.65 All students shall undertake the approved curriculum for PGC in Lifelong Learning in the Digital Age and Supporting Bilingual Learners

**MEd Management and Leadership in Education with Adult Guidance**

19.120.66 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and for Postgraduate Certificate in Adult Guidance and

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**MEd Management and Leadership in Education with Autism**

19.120.67 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education for Postgraduate Certificate in Autism and

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MEd Management and Leadership in Education with Early Years Pedagogue

19.120.68 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and for Postgraduate Certificate in for Early Years Pedagogy and

X3912 Dissertation; Research Methods and Ethics (Management and Leadership in Education) 5 20
X3925 Dissertation; Final Project (Management and Leadership in Education) 5 40

MEd Management and Leadership in Education with Education Studies

19.120.69 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and no less than 60 credits from Education Studies and

X3912 Dissertation; Research Methods and Ethics (Management and Leadership in Education) 5 20
X3925 Dissertation; Final Project (Management and Leadership in Education) 5 40

MEd Management and Leadership in Education with Inclusive Education

19.120.70 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and for Postgraduate Certificate in for Inclusive Education and

X3912 Dissertation; Research Methods and Ethics (Management and Leadership in Education) 5 20
X3925 Dissertation; Final Project (Management and Leadership in Education) 5 40

MEd, Postgraduate Diploma in Management and Leadership in Education with Lifelong Learning in the Digital Age

19.120.71 All students shall undertake the approved curriculum for PGC Management and Leadership in Education and for PGC for Lifelong Learning in the Digital Age

Students for the degree of MEd only:
X3912 Dissertation; Research Methods and Ethics (Management and Leadership in Education) 5 20
X3925 Dissertation; Final Project (Management and Leadership in Education) 5 40

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MEd, Postgraduate Diploma in Management and Leadership in Education with/and Philosophy with Children

19.120.72 All students shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and for Postgraduate Certificate in Philosophy with Children

Students for the degree of MEd only:
- X3912 Dissertation; Research Methods and Ethics 5 20 (Management and Leadership in Education)
- X3925 Dissertation; Final Project 5 40 (Management and Leadership in Education)

MEd, Postgraduate Diploma in Management and Leadership in Education with/and Supporting Bilingual Learners in the Mainstream Classroom

19.120.73 All students shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

Students for the degree of MEd only:
- X3912 Dissertation; Research Methods and Ethics 5 20 (Management and Leadership in Education)
- X3925 Dissertation; Final Project 5 40 (Management and Leadership in Education)

MEd, Postgraduate Diploma in Management and Leadership in Education with/and Supporting Teacher Learning

19.120.74 All students shall undertake the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and for Postgraduate Certificate in Supporting Teacher Learning

Students for the degree of MEd only:
- X3912 Dissertation; Research Methods and Ethics 5 20 (Management and Leadership in Education)
- X3925 Dissertation; Final Project 5 40 (Management and Leadership in Education)

MEd Philosophy with Children with Adult Guidance

19.120.75 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and for Postgraduate Certificate in Adult Guidance and
X3912 Dissertation; Research Methods and Ethics (Philosophy with Children) 5 20
X3925 Dissertation; Final Project (Philosophy with Children) 5 40

**MEd Philosophy with Children with Autism**

19.120.76 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and for Postgraduate Certificate in Autism and

X3914 Dissertation; Research Methods and Ethics (Philosophy with Children) 5 20
X3924 Dissertation; Final Project (Philosophy with Children) 5 40

**MEd Philosophy with Children with Early Years Pedagogue**

19.120.77 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and for Postgraduate Certificate in for Early Years Pedagogue and

X3914 Dissertation; Research Methods and Ethics (Philosophy with Children) 5 20
X3924 Dissertation; Final Project (Philosophy with Children) 5 40

**MEd Philosophy with Children with Education Studies**

19.120.78 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and no less than 60 credits from Education Studies and

X3914 Dissertation; Research Methods and Ethics (Philosophy with Children) 5 20
X3924 Dissertation; Final Project (Philosophy with Children) 5 40

**MEd Philosophy with Children with Inclusive Education**

19.120.79 Students for the degree of MEd shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and for Postgraduate Certificate in for Inclusive Education and

X3914 Dissertation; Research Methods and Ethics (Philosophy with Children) 5 20
X3924 Dissertation; Final Project (Philosophy with Children) 5 40

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MEd Philosophy with Children with Lifelong Learning in the Digital Age

19.120.80 Students for the degree of MEd shall undertake the approved curriculum for PGC Philosophy with Children and for PGC for Inclusive Education

X3914 Dissertation; Research Methods and Ethics 5 20 (Philosophy with Children)
X3924 Dissertation; Final Project 5 40 (Philosophy with Children)

MEd Philosophy with Children with Management and Leadership in Education

19.120.81 All students shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and for Postgraduate Certificate in Management and Leadership in Education and

X3914 Dissertation; Research Methods and Ethics 5 20 (Philosophy with Children)
X3924 Dissertation; Final Project 5 40 (Philosophy with Children)

MEd, Postgraduate Diploma in Philosophy with Children with/and Supporting Bilingual Learners in the Mainstream Classroom

19.120.82 All students shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom

Students for the degree of MEd only:
X3914 Dissertation; Research Methods and Ethics 5 20 (Philosophy with Children)
X3924 Dissertation; Final Project 5 40 (Philosophy with Children)

MEd, Postgraduate Diploma in Philosophy with Children with/and Supporting Teacher Learning

19.120.83 All students shall undertake the approved curriculum for Postgraduate Certificate in Philosophy with Children and for Postgraduate Certificate in Supporting Teacher Learning

Students for the degree of MEd only:
X3914 Dissertation; Research Methods and Ethics 5 20 (Philosophy with Children)
Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Adult Guidance and

**X3906**  Dissertation; Research Methods and Ethics  
(Professional Practice)  
5  20

**X3922**  Dissertation; Final Project  
(Professional Practice)  
5  40

**MEd Professional Practice with Autism**

Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Autism and

**X3906**  Dissertation; Research Methods and Ethics  
(Professional Practice)  
5  20

**X3922**  Dissertation; Final Project  
(Professional Practice)  
5  40

**MEd Professional Practice with Early Years Pedagogue**

Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and

**X3906**  Dissertation; Research Methods and Ethics  
(Professional Practice)  
5  20

**X3922**  Dissertation; Final Project  
(Professional Practice)  
5  40

**MEd Professional Practice with Inclusive Education**

Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Inclusive Education and

**X3906**  Dissertation; Research Methods and Ethics  
(Professional Practice)  
5  20

**X3922**  Dissertation; Final Project  
(Professional Practice)  
5  40
**MEd Professional Practice with Lifelong Learning in the Digital Age**

19.120.88 Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for PGC Lifelong Learning in the Digital Age and

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**MEd Professional Practice with Management and Leadership in Education**

19.120.89 Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and

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**MEd Professional Practice with Philosophy with Children**

19.120.90 Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Philosophy with Children and

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**MEd Professional Practice with Supporting Bilingual Learners in the Mainstream Classroom**

19.120.91 Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and

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MEd Professional Practice with Supporting Teacher Learning

19.120.92  Students for the degree of MEd shall take at least 60 credits from Professional Practice or Education Studies and the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and

- X3906  Dissertation; Research Methods and Ethics  5  20  (Professional Practice)
- X3922  Dissertation; Final Project  5  40  (Professional Practice)

MEd Supporting Bilingual Learners in the Mainstream Classroom with Adult Guidance

19.120.93  Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Adult Guidance and

- X3915  Dissertation; Research Methods and Ethics  5  20  (Supporting Bilingual Learners)
- X3918  Dissertation; Final Project  5  40  (Supporting Bilingual Learners)

MEd Supporting Bilingual Learners in the Mainstream Classroom with Autism

19.120.94  Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Autism and

- X3915  Dissertation; Research Methods and Ethics  5  20  (Supporting Bilingual Learners)
- X3918  Dissertation; Final Project  5  40  (Supporting Bilingual Learners)

MEd Supporting Bilingual Learners in the Mainstream Classroom with Early Years Pedagogue

19.120.95  Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Early Years Pedagogy and

- X3915  Dissertation; Research Methods and Ethics  5  20  (Supporting Bilingual Learners)
MEd Supporting Bilingual Learners in the Mainstream Classroom with Education Studies

19.120.96 Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Education Studies and

X3915 Dissertation; Research Methods and Ethics 5 20 (Supporting Bilingual Learners)
X3918 Dissertation; Final Project 5 40 (Supporting Bilingual Learners)

MEd Supporting Bilingual Learners in the Mainstream Classroom with Inclusive Education

19.120.97 Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Inclusive Education and

X3915 Dissertation; Research Methods and Ethics 5 20 (Supporting Bilingual Learners)
X3918 Dissertation; Final Project 5 40 (Supporting Bilingual Learners)

MEd Supporting Bilingual Learners in the Mainstream Classroom with Lifelong Learning in the Digital Age

19.120.98 Students for the degree of MEd shall take the approved curriculum for PGC Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for PGC Lifelong Learning in the Digital Age and

X3915 Dissertation; Research Methods and Ethics 5 20 (Supporting Bilingual Learners)
X3918 Dissertation; Final Project 5 40 (Supporting Bilingual Learners)

MEd Supporting Bilingual Learners in the Mainstream Classroom with Management and Leadership in Education

19.120.99 Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and

X3915 Dissertation; Research Methods and Ethics 5 20 (Supporting Bilingual Learners)
X3918 Dissertation; Final Project 5 40 (Supporting Bilingual Learners)
Classroom and the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and

X3915  Dissertation; Research Methods and Ethics  5  20
       (Supporting Bilingual Learners)
X3918  Dissertation; Final Project  5  40
       (Supporting Bilingual Learners)

MEd Supporting Bilingual Learners in the Mainstream Classroom with Philosophy with Children

19.120.100  Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Philosophy with Children and

X3915  Dissertation; Research Methods and Ethics  5  20
       (Supporting Bilingual Learners)
X3918  Dissertation; Final Project  5  40
       (Supporting Bilingual Learners)

MEd, Postgraduate Diploma in Supporting Bilingual Learners in the Mainstream Classroom with/and Supporting Teacher Learning

19.120.101  Students shall take the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and

Students for the degree of MEd only:
X3915  Dissertation; Research Methods and Ethics  5  20
       (Supporting Bilingual Learners)
X3918  Dissertation; Final Project  5  40
       (Supporting Bilingual Learners)

MEd Supporting Teacher Learning with Adult Guidance

19.120.102  Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Adult Guidance and

X3916  Dissertation; Research Methods and Ethics  5  20
       (Supporting Teacher Learning)
X3917  Dissertation; Final Project  5  40
       (Supporting Teacher Learning)

MEd Supporting Teacher Learning with Autism

289
Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Autism and

X3916  Dissertation; Research Methods and Ethics  5  20  (Supporting Teacher Learning)  
X3917  Dissertation; Final Project  5  40  (Supporting Teacher Learning)  

**MEd Supporting Teacher Learning with Early Years Pedagogue**

Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Early Years Pedagogue and

X3916  Dissertation; Research Methods and Ethics  5  20  (Supporting Teacher Learning)  
X3917  Dissertation; Final Project  5  40  (Supporting Teacher Learning)  

**MEd Supporting Teacher Learning with Education Studies**

Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Education Studies and

X3916  Dissertation; Research Methods and Ethics  5  20  (Supporting Teacher Learning)  
X3917  Dissertation; Final Project  5  40  (Supporting Teacher Learning)  

**MEd Supporting Teacher Learning with Inclusive Education**

Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Inclusive Education and

X3916  Dissertation; Research Methods and Ethics  5  20  (Supporting Teacher Learning)  
X3917  Dissertation; Final Project  5  40  (Supporting Teacher Learning)  

**MEd Supporting Teacher Learning with Lifelong Learning in the Digital Age**
Students for the degree of MEd shall take the approved curriculum for PGC Supporting Teacher Learning and the approved curriculum for PGC Lifelong Learning in the Digital Age and

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3916</td>
<td>Dissertation; Research Methods and Ethics (Supporting Teacher Learning)</td>
<td>5 20</td>
</tr>
<tr>
<td>X3917</td>
<td>Dissertation; Final Project (Supporting Teacher Learning)</td>
<td>5 40</td>
</tr>
</tbody>
</table>

**MEd Supporting Teacher Learning with Management and Leadership in Education**

Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Management and Leadership in Education and

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3916</td>
<td>Dissertation; Research Methods and Ethics (Supporting Teacher Learning)</td>
<td>5 20</td>
</tr>
<tr>
<td>X3917</td>
<td>Dissertation; Final Project (Supporting Teacher Learning)</td>
<td>5 40</td>
</tr>
</tbody>
</table>

**MEd Supporting Teacher Learning with Philosophy with Children**

Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Philosophy with Children and

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3916</td>
<td>Dissertation; Research Methods and Ethics (Supporting Teacher Learning)</td>
<td>5 20</td>
</tr>
<tr>
<td>X3917</td>
<td>Dissertation; Final Project (Supporting Teacher Learning)</td>
<td>5 40</td>
</tr>
</tbody>
</table>

**MEd Supporting Teacher Learning with Supporting Bilingual Learners in the Mainstream Classroom**

Students for the degree of MEd shall take the approved curriculum for Postgraduate Certificate in Supporting Teacher Learning and the approved curriculum for Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom and

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3916</td>
<td>Dissertation; Research Methods and Ethics (Supporting Teacher Learning)</td>
<td>5 20</td>
</tr>
<tr>
<td>X3917</td>
<td>Dissertation; Final Project (Supporting Teacher Learning)</td>
<td>5 40</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

19.120.111 Regulations 19.1.25 – 19.1.33 shall apply.

19.120.112 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 MEd is dependent upon completion of the Postgraduate Diploma to the satisfaction of the Board of Examiners.

19.120.113 The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award

19.120.114 **Degree of MEd in named pathway:** In order to qualify for the award of the degree of MEd 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 research projects in their chosen named pathway.

19.120.115 **Postgraduate Diploma:** 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 classes of the course.

19.120.116 **Postgraduate Certificate:** 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 classes of the course.

Transfer

19.120.117 A candidate who fails to meet the progress or award requirements for the Postgraduate Diploma in School Leadership and Management (Scottish Qualification for Headship) may be transferred to the Postgraduate Certificate in Management and Leadership in Education

Master of Education
Postgraduate Diploma in Education
Postgraduate Certificate in Education

*Note: This is not a Teaching award*

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.120.118 Notwithstanding Regulation 19.1.1, applicants shall normally possess
(i) a first degree from a university in the United Kingdom; or
(ii) a qualification deemed by the Course Director (or nominee) acting on behalf of Senate to be equivalent to (i) above.

In addition, applicants shall also possess
(iii) a teaching qualification; or
(iv) other relevant professional qualification.

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

**Duration of Study**

19.120.119 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

19.120.120 The course is available by full-time and part-time study.

**Curriculum**

19.120.121 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MEd – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 931 Policy and Leadership</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>X7 932 Frameworks for Understanding Learning</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Students for the degree of MEd and Postgraduate Diploma in addition shall undertake:

- Compulsory Classes
  - X7 826 The Research Proposal | 5 | 30 |
  - X7 827 Research Methods in Professional Education | 5 | 30 |

Students for the degree of MEd only:

- X7 933 Dissertation | 5 | 60 |

**Examination, Progress and Final Assessment**

19.120.121 Regulations 19.1.25 – 19.1.33 shall apply.

The final assessment will be based on performance in the coursework, the Dissertation and, where appropriate, an oral examination.

**Award**

19.120.122 **Degree of MEd**: In order to qualify for the award of the degree of Master of Education, 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.
Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Education, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Education, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

Postgraduate Certificate in Securing Children’s Futures

Admission
Admission is by application. Applicants are normally qualified social workers or allied professional workers and are required, at the time of starting their course, 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. Applicants must have clearly agreed and defined access to experiences, which in the opinion of the Course Leaders provide the required practice-based learning. Applicants are required to hold a relevant degree and/or professional qualification. All applicants are required to be employed by a relevant agency or be working independently in a relevant field.

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
The normal duration of study is nine months.

Mode of Study
The Post Graduate Certificate in Securing Children’s Futures – Good Practice in Permanence Planning and Family Placement is available in part time study only. The course is modular in nature.

Place of Study
The course is delivered in accessible locations in Scotland. The Post Graduate Certificate in Securing Children’s Futures is delivered by the British Association for Adoption and Fostering (Scotland); the taught components of the course are delivered at locations which have agreements with BAAF Scotland

Curriculum
All students undertake a curriculum based on the accumulation of 60 credits, derived from the following compulsory modules:

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS 892 Setting the Context</td>
<td>5</td>
</tr>
<tr>
<td>HS 893 Decision making</td>
<td>5</td>
</tr>
<tr>
<td>HS 807 Working with the child</td>
<td>5</td>
</tr>
<tr>
<td>HS 895 Working with carers</td>
<td>5</td>
</tr>
</tbody>
</table>

19.120.140 **Assessment**
Candidates are required to pass written assessments for each module and to have their professional practice observed and verified by an appropriate person. Candidates who fail to reach the required standard in any module are permitted one further attempt to pass that module. 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. If a candidate fails to reach the required standard in any assignment they can continue on the course and be awarded fifteen credits for each module ‘passed’

19.120.141 **Award**
The final award is a Post Graduate Certificate for which the candidate must have accumulated 60 credits from the four assessed modules.

19.121 **School of Education**

**MSc and Postgraduate Diploma in Applied Educational & Social Research and the Postgraduate Certificate in Applied Research Design**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**
19.121.1 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.
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 course. Progress to the next level of study is normally dependent on performance (see Regulation 19.121.6).

**Duration of Study**

19.121.2 Regulations 19.1.5 and 19.1.6 shall apply.

**Place of Study**

19.121.3 As permitted by Regulation 19.1.8,

(i) the MSc and Postgraduate Diploma in Applied Educational & Social Research includes some off-campus work.

**Mode of Study**

19.121.4 The course in Applied Educational & Social Research is delivered in mixed-mode with some full-time and part-time study.

**Curriculum**

19.121.5 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 805 Educational Research and Enquiry</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7 806 Design Strategies in Educational Research</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7 807 Data Collection in Educational Research</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:

- X7 808 Data Analysis in Educational Research 5 40
- either
  - X7 809 Advanced Quantitative Research Design and Data Analysis 5 20
- or
  - X7 810 Advanced Qualitative Research Design and Data Analysis 5 20

Students for the degree of MSc only:

- X7 819 Dissertation 5 60

**Examination, Progress and Final Assessment**

19.121.6 Regulations 19.1.25 – 19.1.33 shall apply.

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.
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, the dissertation where undertaken and, if required, in an oral examination.

**Award**

19.121.9 **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 or the research projects.

19.121.10 **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 classes of the course.

19.121.11 **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Applied Research Design a student must have accumulated no fewer than 60 credits from the taught classes of the course.

**MSc, Postgraduate Diploma and Postgraduate Certificate in Chartered Teacher Studies**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.121.12 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

In addition, successful applicants must normally be fully registered with the General Teaching Council for Scotland and must be at the top of the scale for main grade teachers. In addition, applicants must normally have maintained a Continuing Professional Development portfolio.

Notwithstanding Regulation 19.1.3, as this course is delivered to a nationally approved curriculum framework, it may be possible for students to gain APL of up to 67% on admission to the Master’s degree.

Applicants will normally be registered initially for the lowest level of qualification offered in the specific course. Progress to the next level of study is normally dependent on performance (see Regulation 19.121.17).

19.121.13 **Duration of Study**

Notwithstanding the provision of Regulation 19.1.6, the maximum duration of study shall be
(ii) for the degree of MSc in Chartered Teacher Studies by part-time study or distance learning - 108 months elapsed time, for the Postgraduate Diploma in Chartered Teacher Studies by part-time study or distance learning - 72 months elapsed time, for the Postgraduate Certificate in Chartered Teacher Studies by part-time study or distance learning - 36 months elapsed time

**Place of Study**

19.121.14 As permitted by Regulation 19.1.8, (ii) some classes for the MSc, Postgraduate Diploma and Postgraduate Certificate in Chartered Teacher Studies may be delivered at campuses of the UHI Millennium Institute and by partner organisations other than this University.

**Mode of Study**

19.121.15 Chartered Teacher Studies may be undertaken by distance learning. Courses are available on a part-time basis only.

**Curriculum**

19.121.16 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 938</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional Development: Review, Reflection and Planning (CT)</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 45 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1 904</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsibility and Learning in the Outdoors</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 922</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Independent Study Module</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 923</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raising Attainment in History</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 933</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E-Learning</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 934</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Learning to Think, Thinking to Learn: Implications for Learning, Teaching and Curriculum</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 989</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buzan's 'Headstrong': a Buzan approach to Creative Thinking and Family Learning: Implications for Learning and Teaching and Parental Involvement</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 990</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Developing the Emotionally Literate Classroom</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 991</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Years: Translating Policy into Practice</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 992</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Learning School</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 993</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motivation, Communication and Self-Development/Awareness: Implications for Influencing Learning, Teaching and Self Development/Awareness</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 994</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inclusive Education: Access for all</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>
HS 995  Teaching Giftedness: Developing Cognitive Abilities - The Vygotskian Approach to Early Years Education 5 15
PC 901  Education for Citizenship (CT) 5 15
X9 703  Health and Wellbeing for Today's Young People 5 30
X9 704  Sustainable Development and Global Citizenship Education 5 30
X9 705  Working Together with Multi-Disciplinary Professionals 5 30
X9 706  Bilingualism in Scottish Education – Theory And Practice 5 30
X9 941  Learning and Teaching with ICT (CT) 5 15
X9 986  Closing the Literary Gap (Infant Stages) (CT) 5 30

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:
Compulsory Classes
HS 927  Education for All 5 15
HS 928  Working Together 5 15
HS 931  Learning and Teaching 5 15

Optional Classes
No fewer than 15 credits chosen from the list of optional classes above.

Students for the degree of MSc only:
Either
HS 924  Professional Enquiry and Development 1 5 30
and
HS 832  Professional Enquiry and Development 2 5 30
or
HS 860  Professional Enquiry and Development 3 5 60

Examination, Progress and Final Assessment
19.121.17  Regulations 19.1.25 – 19.1.33 shall apply.
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.

19.121.18  Notwithstanding Regulation 19.1.30, candidates will be permitted a maximum of 2 attempts at each assessment.

19.121.19  The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award
19.121.20  Degree of MSc in Chartered Teacher Studies: In order to qualify for the award of the degree of MSc in Chartered Teacher 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 120 must have been awarded in respect of either the dissertation or the research projects.

19.121.21 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Chartered Teacher Studies a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.121.22 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 classes of the course.

MSc, Postgraduate Diploma and Postgraduate Certificate in Genealogical, Palaeographic and Heraldic Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.121.23 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. Applicants will normally be registered initially for the lowest level of qualification offered in the specific course. Progress to the next level of study is normally dependent on performance (see Regulation 19.121.28).

19.121.24 Duration of Study
Regulations 19.1.5 and 19.1.6 shall apply

19.121.25 Place of Study
As permitted by Regulation 19.1.8

19.121.26 Mode of Study
The courses are available by part-time study only

Curriculum

19.121.27 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL 927 Professional Practice and Methodologies</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>LL 929 Archive &amp; Libraries, History and Geography</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>LL 912 Censuses, Civil Registration and Church Records</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>LL 915 Family History Studies and Overseas Records</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>LL 928 Property and Law, Wills, Land and Inheritance Records</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>LL 926 Latin, Palaeography and Heraldry</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of MSc in addition will undertake:

Compulsory Classes
LL 914  Methods of Professional Enquiry and Project 2  5   20  
LL 925  Genealogy, Family and Social History 2  5   20  
LL 913  Documents, Palaeography and Heraldry 2  5   20  

Students for the degree of MSc only:
HS 902  Professional Enquiry and Development  
Leading to a Dissertation  5   60  

**Examination, Progress and Final Assessment**

19.121.28 Regulations 19.1.25 – 19.1.33 shall apply. 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.

19.121.29 Notwithstanding Regulation 19.1.30, candidates will be permitted a maximum of 2 attempts at each assessment.

19.121.30 The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken and, if required, in an oral examination.

**Award**

19.121.31 **Degree of MSc in Genealogical, Palaeographic and Heraldic Studies:** In order to qualify for the award of the degree of MSc in Genealogical, Palaeographic and Heraldic 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 either the dissertation or the research projects.

19.121.32 **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 classes of the course.

19.121.33 **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 classes of the course.

**MSc, Postgraduate Diploma and Postgraduate Certificate in Safety and Risk Management**  
**Course Regulations**  
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.121.34 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. 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 course. Progress to the next level of study is normally dependent on performance (see Regulation 19.121.39).
Duration of Study

19.121.35 Regulations 19.1.5 and 19.1.6 shall apply

19.121.36 **Place of Study**
As permitted by Regulation 19.1.8

Mode of Study

19.121.37 The course is available by part-time study only

Curriculum

19.121.38 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL 901 Benchmarking Safety and Risk Management Activities</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>LL 902 Assessing Hazards, Risks and Dangers</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>LL 903 Optimising Safety and Risk Management Activities</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Students for the degree of Master and the Postgraduate Diploma in addition will undertake:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL 908 Corporate Risk Management</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>LL 909 Psychology of Workplace Activities</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>LL 910 Ergonomic Factors in Work Activities</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 901 Methods of Professional Enquiry</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL 916 Research Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.121.39 Regulations 19.1.25 – 19.1.33 shall apply.
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.

19.121.40 Notwithstanding Regulation 19.1.30, Candidates will be permitted a maximum of 2 attempts at each assessment.

19.121.41 The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award
Degree of MSc in Safety and Risk Management: In order to qualify for the award of the degree of MSc in Safety and Risk 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 either the dissertation or the research project.

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 classes of the course.

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 taught classes of the course.

Postgraduate Diplomas and Associated Postgraduate Certificates

Advanced Academic Studies (Part-time)

Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.121.45 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. Applicants will normally be registered initially for the lowest level of qualification offered in the course (see Regulation 19.121.111). Notwithstanding the provisions of Regulations 19.1.1 and 19.1.3, applicants for the Postgraduate Certificate in Advanced Academic Studies (Researcher Development) must be employed in an organisation which has made a commitment agreed with the Course Director, to support the practice-based learning requirements.

Duration of Study

19.121.46 Regulations 19.1.5 and 19.1.6 shall apply.

Place of Study

19.121.47 Regulation 19.1.8 shall apply.

Mode of Study

19.121.48 The Postgraduate Diploma and Certificate in Advanced Academic Studies is available by part-time study only.

Curriculum

19.121.49 All students shall undertake an approved curriculum as follows:
Depending on the curriculum undertaken, students may select one of the following specialisations:

**Advanced Academic Studies (Academic Practice)**

**Advanced Academic Studies (Researcher Development)**

**Advanced Academic Studies (Academic Practice)**

Compulsory Class

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9 894</td>
<td>Teaching, Learning and Assessment within the Disciplines</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

**Advanced Academic Studies (Researcher Development)**

Compulsory Class

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X9 801</td>
<td>Building a Successful Research Career</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes (both specialisms)

No fewer than 40 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 782</td>
<td>Independent Enquiry 2A</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 735</td>
<td>Teaching and Learning Online</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 736</td>
<td>Research Management and Leadership</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 737</td>
<td>Research Bidding and Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 740</td>
<td>Ethical Research</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 741</td>
<td>Public Engagement for Researchers</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 801</td>
<td>Building a Successful Research Career</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7 802</td>
<td>Independent Enquiry 1A</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>X9 894</td>
<td>Teaching, Learning and Assessment within the Disciplines</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 895</td>
<td>Course (Re)Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 896</td>
<td>Academic Writing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 897</td>
<td>Developing an Inclusive Curriculum</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 898</td>
<td>Supervising Postgraduate Research</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 899</td>
<td>Management and Leadership in Higher Education</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PR 825</td>
<td>Independent Enquiry 1</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>PR 826</td>
<td>Independent Enquiry 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 635</td>
<td>Knowledge Exchange and Innovation Training</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma in addition will undertake:

**Postgraduate Diploma in Advanced Academic Studies (Academic Practice)**

No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 782</td>
<td>Independent Enquiry 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 735</td>
<td>Teaching and Learning Online</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 895</td>
<td>Course (Re)Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 896</td>
<td>Academic Writing</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 897</td>
<td>Developing an Inclusive Curriculum</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X9 898</td>
<td>Supervising Postgraduate Research</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
X9 889 Management and Leadership in Higher Education 5 20

Plus no fewer than 40 credits chosen from the Optional Classes listed above

Postgraduate Diploma in Advanced Academic Studies (Researcher Development)

No fewer than 20 credits chosen from:
X7 782 Independent Enquiry 2 5 20
X9 736 Research Management and Leadership 5 20
X9 737 Research Bidding and Design 5 20
X9 740 Ethical Research 5 20
X9 741 Public Engagement for Researchers 5 20

Plus no fewer than 40 credits chosen from the Optional Classes listed above

Examination, Progress and Final Assessment

19.121.50 Regulations 19.1.25 – 19.1.33 shall apply. Progress to the Postgraduate Diploma is dependent upon completion of the Postgraduate Certificate to the satisfaction of the Board of Examiners.

Award

19.121.51 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 classes of the course.

19.121.52 Postgraduate Diploma in a named pathway: In order to qualify for the award of the Postgraduate Diploma in Advanced Academic Studies in a named pathway a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated 120 credits in their chosen named pathway.

19.121.53 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 classes of the course.

19.121.54 Postgraduate Certificate in a named pathway: In order to qualify for the award of the Postgraduate Certificate in Advanced Academic Studies in a named pathway a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated 60 credits in their chosen named pathway.

19.121.55 to 19.122.39 (not used)

MSc and Postgraduate Diploma in Counselling
Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

19.122.40 **Admission**
Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.
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 Postgraduate Diploma. Progress to the next level of study is normally dependent on performance (see Regulation 19.125.6).

19.122.41 **Duration of Study**
Regulations 19.1.5 and 19.1.6 shall apply

19.122.42 **Place of Study**
As permitted by Regulation 19.1.8

19.122.43 **Mode of Study**
The course in Counselling, may be undertaken by full-time or part-time study and by distance learning.

19.122.44 **Curriculum**
All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9 947 The Therapeutic Relationship</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>B9 948 Therapeutic Process</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>B9 949 Personality Theory</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>B9 950 Counselling Case Analysis</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>B9 951 Counselling Practicum</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>B9 952 Personal and Professional Development</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:
HS 890 Professional Enquiry and Development in Counselling leading to a dissertation 5 60

19.122.45 **Examination, Progress and Final Assessment**
Regulations 19.1.25 – 19.1.33 shall apply.
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.

19.122.46 Notwithstanding Regulation 19.1.30, 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, the dissertation where undertaken and, if required, in an oral examination.

Award

Degree of MSc in Counselling: In order to qualify for the award of the degree of MSc in Counselling 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 are awarded in respect of either the dissertation or the research projects.

Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Counselling a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Counselling a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

MSc, Postgraduate Diploma and Postgraduate Certificate in Person-Centred Counselling

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. In addition, successful applicants must have a period of post-qualifying professional experience deemed appropriate by the Course Director and a satisfactory performance at interview. Applicants will normally be registered initially for the lowest level of qualification offered in the course. Progress to the next level of study is normally dependent on performance (see Regulation 19.125.17).

Duration of Study
Regulations 19.1.5 and 19.1.6 shall apply

Place of Study
As permitted by Regulation 19.1.8, the MSc, Postgraduate Diploma and Postgraduate Certificate in Person-Centred Counselling are delivered at the Institute of Psychological and Counselling Studies (IPCS) in Greece.

Mode of Study
The course is available by part-time study only
Curriculum

19.122.55 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9 964 Theoretical Foundations in the Person</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>B9 965 Practice and Self Development: Becoming a</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>Person Centred Counsellor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:

| Students for the degree of MSc only                     |       |         |
| B9 966 Theoretical Issues in Person Centred Counselling| 5     | 30      |
| B9 967 Professional Development in Person Centred      | 5     | 30      |
| Counselling                                             |       |         |

Students for the degree of MSc only

| Students for the degree of MSc only                     |       |         |
| HS 806 Research Enquiry and Development in Counselling  | 5     | 60      |

Examination, Progress and Final Assessment

19.122.56 Regulations 19.1.25 – 19.1.33 shall apply.
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.

19.122.57 Notwithstanding Regulation 19.1.30, candidates will be permitted a maximum of 2 attempts at each assessment.

19.122.58 The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award

19.122.59 **Degree of MSc in Person-Centred Counselling:** In order to qualify for the award of the degree of MSc in **Person-Centred Counselling** 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 either the dissertation or the research projects.

19.122.60 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma **Person-Centred Counselling** a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.122.61 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate **Person-Centred Counselling** a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
MSc, Postgraduate Diploma and Postgraduate Certificate in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.122.62 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. In addition, all successful applicantsshall possess one year's post qualifying experience deemed appropriate by the Course Director. In addition, applicants should have continuing professional contact with children and/or young people, throughout the period of study; Applicants will normally be registered initially for the lowest level of qualification offered in the specific course. Progress to the next level of study is normally dependent on performance (see Regulation 19.125.28).

Duration of Study
19.122.63 Regulations 19.1.5 and 19.1.6 shall apply. Notwithstanding the provisions of Regulation 19.1.5, the minimum duration of study shall be for the degree of MSc in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People by part-time study - 90 weeks for the Postgraduate Diploma in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People by part-time study - 60 weeks for the Postgraduate Certificate in Psychoanalytic Observation and Reflective Practice: Therapeutic Work with Children and Young People by part-time study – 30 weeks

Place of Study
19.122.64 As permitted by Regulation 19.1.8, the MSc and Postgraduate Diploma and Postgraduate Certificate in Therapeutic Skills with Children and Young People are delivered at the Scottish Institute for Human Relations

Mode of Study
19.122.65 The course is available by part-time study only

Curriculum
19.122.66 All students shall undertake an approved curriculum as follows:
Optional Classes

No fewer than 60 credits chose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS 951</td>
<td>Infant Observation 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HS 952</td>
<td>Infant Observation 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HS 953</td>
<td>Young Child Observation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HS 954</td>
<td>Work Discussion and Institutional Processes</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

*either*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS 956</td>
<td>Personality Development</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>HS 957</td>
<td>A History of Psychoanalytic Thinking</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HS 958</td>
<td>Child Development Research</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Students for the degree of Master and the Postgraduate Diploma in addition will undertake

Optional Classes

No fewer than 60 credits chosen from the list above.

Students wishing to progress to the degree of MSc must include, in addition, the following class as part of their Postgraduate Diploma curriculum:

Students for the degree of MSc only

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS 902</td>
<td>Professional Enquiry and Development</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.122.67 Regulations 19.1.25 – 19.1.33 shall apply.

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.

19.122.68 Notwithstanding Regulation 19.1.30, Candidates will be permitted a maximum of 2 attempts at each assessment.

19.122.69 The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award

19.122.70 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 12060 must have been awarded in respect of either the dissertation or the research projects.

**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 classes of the course.

**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 classes of the course.

**Postgraduate Certificate in Counselling Skills**

**Course Regulations**
[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.122.73 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

In addition, all successful applicants will normally be required to have at least two years of professional experience as deemed appropriate by the Course Director.

**Duration of Study**

19.122.74 Regulations 19.1.5 and 19.1.6 shall apply.

19.122.75 **Place of Study**
As permitted by Regulation 19.1.8.

19.122.76 **Mode of Study**
The courses are available by part-time study only.

**Curriculum**

19.122.77 All students shall undertake a curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 966 Personal and Professional Development and Theory</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>B9 990 Counselling Skills Practice and Theory</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.122.78 Regulations 19.1.25 – 19.1.33 shall apply.
The final assessment will be based on performance in the examinations, where undertaken, and in coursework.

**Award**

19.122.79 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Counselling Skills a candidate must have accumulated no fewer than 60 credits from the taught classes of the course in the relevant discipline.

**Postgraduate Certificate in Motor Speech Disorders**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.122.80 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. In addition, all successful applicants for the Postgraduate Certificate in Motor Speech Disorders will in addition normally be required to possess a qualification that permits them to practice as a Speech and Language Therapist in their home country. Applicants must have clearly agreed and defined access to experiences, which in the opinion of the Course Director, provide the required practice-based learning. Normally, all successful applicants for courses other the Postgraduate Certificate in Motor Speech Disorders will be required to have had at least two years of appropriate, post-qualifying professional experience.

**Duration of Study**

19.122.81 Regulations 19.1.5 and 19.1.6 shall apply.

**Place of Study**

19.122.82 Regulation 19.1.8 shall apply.

**Mode of Study**

19.122.83 The courses are available by part-time study only.

**Curriculum**

19.122.84 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8 933 Assessment Treatments of Motor Speech Disorders</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>C8 934 Evidence-based Practice in Motor Speech Disorders</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

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

Award

19.122.86 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Motor Speech Disorders a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.122.87 MSc in Counselling Psychology, Postgraduate Diploma, Postgraduate Certificate

[The General Regulations for Taught Master’s Degrees (Regulation 19.1) of the University of Strathclyde shall not apply except with the agreement of the Glasgow Caledonian University.]

These courses are offered jointly by the University of Strathclyde and the Glasgow Caledonian University and the awards are made in the name of both Universities. The regulations are drawn up consequent upon a Collaborative Agreement which has been approved by the Senate.

The taught component may be delivered at university campuses or in professional settings but all classes will be taught by staff from the two Universities. Students shall be subject to the course regulations that have been adopted by both Universities and to any other General Regulations etc. of the University at which they are studying.

For the current academic year, the administering University is Glasgow Caledonian University and full details of Course Regulations applicable are shown in that University’s Calendar.

19.122.88 to 19.122.100 (not used)

MSc in Family Therapy and Systemic Practice and the Postgraduate Diploma and Postgraduate Certificate in Systemic Practice

Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.122.101 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.
In addition, all successful applicants will normally be required
to have had at least two years of appropriate, post-qualifying professional experience. MSc, Postgraduate Diploma and Postgraduate Certificate in Studies in Family Therapy and Systemic Practice must hold a professional qualification in nursing, psychology, counselling medicine, social work or occupational therapy deemed appropriate by the Course Director. In addition, applicants are normally required to maintain professional contact with families throughout the period of study. Applicants will normally be registered initially for the lowest level of qualification offered in the specific course. Progress to the next level of study is normally dependent on performance (see Regulation 19.126.39).

19.122.102 **Duration of Study**
Regulations 19.1.5 and 19.1.6 shall apply

19.122.103 **Place of Study**
As permitted by Regulation 19.1.8, the MSc, Postgraduate Diploma and Postgraduate Certificate in Studies in Family Therapy and Systemic Practice are delivered at the Scottish Institute for Human Relations.

19.122.104 **Mode of Study**
The course is available by part-time study only

**Curriculum**

19.122.105 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS 801 Diversity and Anti-discriminatory Practice</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 802 Early Developments in Systemic Theory and Practice</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 803 Clinical Team Placement</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>HS 804 Research and Reflexivity; Methods of Professional Enquiry</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 805 Systemic Psychotherapy in Context</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 948 Recent Developments in Systemic Theory and Practice</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>HS 950 Theory and Practice of Supervision</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

In addition, students for the degree of MSc and Postgraduate Diploma in addition will undertake a further 60 credits from the list of classes above

Students for the degree of MSc only:
HS 810 Professional Enquiry and Development Study 5 60

**Examination, Progress and Final Assessment**

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.

19.122.107 Notwithstanding Regulation 19.1.30, Candidates will be permitted a maximum of 2 attempts at each assessment.

19.122.108 The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken.

**Award**

19.122.109 **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 or the research projects.

19.122.110 **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 classes of the course.

19.122.111 **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 classes of the course.

**MSc, Postgraduate Diploma and Postgraduate Certificate in Advanced Residential Child Care**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.122.112 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. 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 course. Progress to the next level of study is normally dependent on performance (see Regulation 19.126.83).

19.122.113 **Duration of Study**

Regulations 19.1.5 and 19.1.6 shall apply.

19.122.114 **Place of Study**

As permitted by regulation 19.1.8
Mode of Study
The courses are available by part-time study only

Curriculum
All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 925 Perspectives on Residential Child Care</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 926 Critical Enquiry in Residential Child Care</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 928 Leading and Learning in Residential Child Care</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 908 Methods of Professional Enquiry: Ethical and</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>Effective Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L5 926 Intervening Effectively in Residential Child Care</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 960 Understanding and Assessing Children and</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>Young People</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 930 Professional Enquiry and Development in</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>Residential Child Care leading to a dissertation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

Regulations 19.1.25 – 19.1.33 shall apply.
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.

Notwithstanding regulation 19.1.30, 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, the dissertation where undertaken and, if required, in an oral examination.

Award

Degree of 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 or the research projects.

Postgraduate Diploma: 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 classes of the course.
19.122.122 **Postgraduate Certificate:** 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 classes of the course.

**MSc, Postgraduate Diploma and Postgraduate Certificate in Social Services Management**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.122.123 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. 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 course. Progress to the next level of study is normally dependent on performance (see Regulation 19.126.95).

19.122.124 **Duration of Study**

Regulations 19.1.5 and 19.1.6 shall apply.

19.122.125 **Place of Study**

As permitted by Regulation 19.1.8

19.122.126 **Mode of Study**

The courses are available by part-time study only.

**Curriculum**

19.122.127 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 932 Effective Learning for Social Services Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L5 907 Managing Service Delivery</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Class</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 909</td>
<td>Working with Others</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L5 911</td>
<td>Leading and Managing Change and Organisational Learning</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L5 932</td>
<td>People Management in Social Services Services</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:

**Compulsory Class**
Optional Classes
No fewer than 40 credits chosen from the list of optional classes above.

Students for the degree of MSc only:
HS 902 Professional Enquiry and Development leading to a Dissertation 5 60

Examination, Progress and Final Assessment
19.122.128 Regulations 19.1.25 – 19.1.33 shall apply. 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.
19.122.129 Notwithstanding Regulation 19.1.30, Candidates will be permitted a maximum of 2 attempts at each assessment.
19.122.130 The final assessment will be based on performance in the examinations where undertaken, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award
19.122.131 **Degree of MSc in Social Services Management:** In order to qualify for the award of the degree of MSc in Social Services Management the candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits of which 1260 must have been awarded in respect of either the dissertation or the research projects.
19.122.132 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma a student must have accumulated no fewer than 121 credits from the taught classes of the course.
19.122.133 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate a student must have accumulated no fewer than 60 credits from the taught classes of the course.

19.122.134 to 19.123.60 (numbers not used)
Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.123.61 Applicants should possess
(i) a BA Honours degree (or in the case of direct entry to a Master’s programme, a first or second class honours degree) in English Literature or Cultural Studies from a United Kingdom university, or
(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be the 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
19.123.62 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.123.63 The course is available by full-time and part-time study.

Curriculum
19.123.64 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QQ 939</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Skills in Literature, Culture and Communication</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QQ 958</td>
<td></td>
<td></td>
</tr>
<tr>
<td>British Places: Literature 1880-1950</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 959</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contemporary Scottish Cultural Studies</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 934</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uncanny Places: the Victorian Occult</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 935</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Discovery of Scotland</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 936</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visions of Suburbia</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 937</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post-Colonial Canadian Literature</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 946</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Literary Linguistics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 956</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travellin’ Blues: Literature, Politics and Displacement</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 962</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Writing the Void: Desert Literature</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 963</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Romanticism and the South West</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Such other Level 5 classes up to a maximum of 20 credits chosen from other courses offered by Department of English Studies or by another department in the University 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.

Students for the degree of MLitt only
QQ 950 Dissertation 5 60

Examination, Progress and Final Assessment
19.123.65 Regulations 19.1.25 – 19.1.33 shall apply.
19.123.66 Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
19.123.67 The final assessment will be based on performance in the coursework, the dissertation where undertaken and, if required, in an oral examination.

Award
19.123.68 **Degree of MLitt:** In order to qualify for the degree of MLitt in Literature, Culture and Place, 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.
19.123.69 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Literature, Culture and Place, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.123.70 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Literature, Culture and Place, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.124 to 19.125 (Numbers not used)

**MSc in Health History**
**Postgraduate Diploma in Health History**
**Postgraduate Certificate in Health History**

Admissions
19.126.1 Notwithstanding Regulation 19.1.1, applicants shall normally possess
(i) a first or second class Honours degree in History or a related discipline of a United Kingdom university; or
(ii) a qualification deemed by the Head of School 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
19.126.2 Regulations 19.1.5 and 19.1.6 shall apply.
**Mode of Study**

19.126.3 The course is available by both full-time and part-time study.

**Curriculum**

19.126.4 All students shall undertake an approved curriculum as follows:
- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1 903 Sources, Skills and Methods for Historians 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>V1 964 Sources, Skills and Methods for Historians 2</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 80 credits chosen from:

- V1 910 Social Theory and Social History 5 20
- V1 922 Work and Occupational Health in the Twentieth Century 5 20
- V1 971 Themes in the History of Health and Colonial Medicine in South Asia 5 20
- V1 972 Governing Highs and Health: History and the Control of Drugs 5 20
- V1 975 Pharmaceuticals, Ethics and Health 1800-1980 5 20
- V1 979 Food And Health In The West During The C20 5 20

Such other Level 5 classes up to a maximum of 20 credits offered by the Faculty of Humanities and Social Sciences as may be approved by the Course Director

Students for the degree of MSc only:

- 22 900 Dissertation 5 60

**Examination, progress and final assessment**

19.126.5 Regulations 19.1.25 – 19.1.33 shall apply.

19.126.6 Progress between semesters may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.

19.126.7 The final assessment will be based on performance in all elements of the coursework, the dissertation and, if required, in an oral examination.

**Award**

19.126.8 **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.

19.126.9 **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 classes of the course.

19.126.10 **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 classes of the course.

**MSc in The North Atlantic World c900 – c1800**

**Postgraduate Diploma in The North Atlantic World c900 – c1800**

**Course regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admissions**

19.126.1 Notwithstanding Regulation 19.1.1, applicants shall normally possess

(i) a first or second class Honours degree in History or a related discipline of a United Kingdom university; or

(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.

**Duration of study**

19.126.22 Regulations 19.1.4 and 19.1.5 shall apply.

**Mode of Study**

19.126.33 The course is available by full-time and part-time study.

**Curriculum**

19.126.34 All students shall undertake an approved curriculum as follows:

for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1 903 Sources, Skills and Methods for Historians 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>V1 964 Sources, Skills and Methods for Historians 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>V1 965 Palaeography c.1500-c.1800</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 60 credits chosen from:

<table>
<thead>
<tr>
<th></th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1 906 The Lordship of the Isles</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>V1 907 Conflict Resolution and Arbitration</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>V1 908 Plantation by Land and Sea, 1540-1700</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>V1 966 Scotland and Ulster in the Early Modern North Atlantic World</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

*Either*

<table>
<thead>
<tr>
<th></th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 905 Quantitative Methods 1: Survey Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
L2 908  Quantitative methods 2; Statistics and Analysis 5 20

Not more than one Level 5 class worth at least 20 credits offered by the Universities of Oslo and Ulster as may be approved by the Course Director.

Students for the degree of MSc only:
V1 919  Dissertation 5 60

Examination, progress and final assessment

19.126.35 Regulations 19.1.25 – 19.1.33 shall apply.
19.126.36 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the course handbook.
19.126.37 The final assessment will be based on performance in the examinations, coursework, the dissertation, where undertaken and, if required, in an oral examination.

Award

19.126.38 Degree of MSc: In order to quality for the award of the degree of MSc in The North Atlantic World c900 – c1800, a candidate must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the dissertation.
19.126.39 Postgraduate Diploma: In order to quality for the award of the Postgraduate Diploma in MSc in The North Atlantic World c900 – c1800, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.126.40 (Number not used)

MSc in Historical Studies
Postgraduate Diploma in Historical Studies
Postgraduate Certificate in Historical Studies

Course regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admissions

19.126.41 Notwithstanding Regulation 19.1.1, applicants shall normally possess
(i) a first or second class Honours degree in History or a related discipline of a United Kingdom university; or
(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of study

19.126.42 Regulations 19.1.5 and 19.1.6 shall apply.
**Mode of Study**

19.126.43 The course is available by both full-time and part-time study.

**Curriculum**

19.126.44 All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1 903 Sources, Skills and Methods for Historians 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>V1 964 Sources, Skills and Methods for Historians 2</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 80 credits chosen from:

| V1 902 Nationalism and Nation-states in the Arab Middle East: 1900-1945 | 5     | 20      |
| V1 906 The Lordship of the Isles                                    | 5     | 20      |
| V1 907 Conflict Resolution and Arbitration                         | 5     | 20      |
| V1 908 Plantation by Land and Sea, 1540-1700                       | 5     | 20      |
| V1 966 Scotland and Ulster in the Early Modern North Atlantic World | 5     | 20      |
| V1 910 Social Theory and Social History                            | 5     | 20      |
| V1 911 Diplomacy and Political Economy in Interwar Europe          | 5     | 20      |
| V1 912 Britain, France and the USA, 1945-1958: Diplomacy, Strategy and Alliance | 5 | 20      |
| V1 961 Segregation, Migration and War: African Americans           | 5     | 20      |
| V1 965 Palaeography c.1500-c.1800                                   | 5     | 20      |
| V1 967 Britain and the World in the Nineteenth Century             | 5     | 20      |
| V1 968 Transatlantic Influences: The United States and Europe after 1945 | 5 | 20      |
| V1 969 War and Society, 1914-1945: A Comparative Approach          | 5     | 20      |
| V1 970 The Patriarchal Family in Early Modern Society Co-operation and Conflict | 5 | 20      |
| V1 917 Employers, Elites and the State in Scotland and the UK c1830-1940 | 5 | 20      |
| V1 920 Arab Societies in the Age of Nationalism: 1900-1945         | 5     | 20      |
| V1 922 Work and Occupational Health in the Twentieth Century       | 5     | 20      |
| V1 971 Themes in the History of Health and Colonial Medicine in South Asia | 5 | 20      |
| V1 972 Governing Highs and Health: History and the Control of Drugs | 5     | 20      |
Such other Level 5 classes up to a maximum of 20 credits offered by the Faculty of Law, Arts 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.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>22900</td>
<td>Dissertation</td>
<td>5</td>
</tr>
</tbody>
</table>

**Examination, progress and final assessment**

- **19.126.45** Regulations 19.1.25 – 19.1.33 shall apply.
- **19.126.46** Progress between semesters may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
- **19.126.47** The final assessment will be based on performance in all elements of the coursework, the dissertation and, if required, in an oral examination.

**Award**

- **19.126.48** *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.
- **19.126.49** *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 classes of the course.

**MSc in Social and Cultural History**

**Postgraduate Diploma in Social and Cultural History**

*These courses are jointly taught by the University of Strathclyde and the University of Glasgow and the awards are made by the University of Glasgow. The Regulations are drawn up consequent upon a Memorandum of Co-operation which has been approved by Senate. The academic management of the courses is the responsibility of the Joint Course Management Committee and the University of Glasgow is the administering university.*

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MSc in Investigative Journalism
Postgraduate Diploma in Investigative Journalism
Postgraduate Certificate in Investigative Journalism

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission
19.127.1 Regulations 19.1.1 and 19.1.2 shall apply.
In addition, applicants shall normally have studied journalism or a related subject as part of their first degree.

Duration of Study
19.127.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.127.3 The courses are available by full-time and part-time study.

Curriculum
19.127.4 All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits  
for the Postgraduate Diploma – no fewer than 120 credits  
for the degree of MSc – no fewer than 180 credits including a dissertation or portfolio

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3 925 Investigative Journalism: History &amp; Theory</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L3 922 Investigative Research</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 926 Manufacture of Consent</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and Degree of MSc only:
Compulsory Classes

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3 944 Investigative Journalism and the Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 945 Investigative Journal: Project</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3 955 Media Ethics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 932 Covering Globalisation</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

The list of Optional Classes in Regulation 19.127.174.

Students for the degree of MSc only

*either*

<table>
<thead>
<tr>
<th></th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES 928 Dissertation</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

*or*

<table>
<thead>
<tr>
<th></th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES 921 Journalism Portfolio</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.127.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.127.6 Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
19.127.7 The final assessment will be based on performance in the examinations, coursework, the dissertation or portfolio where undertaken and, if required, in an oral examination.

Award

19.127.8 **Degree of MSc:** In order to qualify for the degree of MSc in Investigative 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 or portfolio.

19.127.9 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Investigative Journalism a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.127.10 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Investigative Journalism a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
MLitt in Renaissance Studies
Postgraduate Diploma in Renaissance Studies
Postgraduate Certificate in Renaissance Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

The Course is offered jointly by the Universities of Strathclyde and Stirling and the awards are made in the name of these two Universities. The regulations are drawn up consequent upon a Memorandum of Agreement which has been approved by Senate. The course is jointly administered by a Course Committee appointed by the two Universities.

The taught components of the course may be delivered at either University. One of these Universities will be designated the Institution of Primary Registration. Students will be subject to the course regulations that have been adopted by both Universities and to any other general regulations of the Institution of Primary Registration.

Admission
19.127.21 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.127.22 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.127.23 The courses are available by full-time and part-time study.

Curriculum
19.127.24 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits including all the classes in List A
for the degree of MLitt – no fewer than 180 credits including all the classes in List A and a dissertation

<table>
<thead>
<tr>
<th>List A</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>QQ 970 Renaissance Studies Core Class</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 968 Skills in Renaissance Studies</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List B</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>QQ 971 Digital Humanities and the Renaissance</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
Students for the degree of MLitt only:
QQ 950  Dissertation  5  60

Examination, Progress and Final Assessment
19.127.26 Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
19.127.27 The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award
19.127.28 **Degree of MLitt:** In order to qualify for the degree of MLitt in Renaissance 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.
19.127.29 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Renaissance Studies, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.127.30 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Renaissance Studies, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

**MLitt in International Journalism**
**Postgraduate Diploma in International Journalism**

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.127.31 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.127.32 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.127.33 The courses are available by full-time study only.
Curriculum

19.127.34 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MLitt – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3 949 Journalism in English: Writing and Professional Practice</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 950 Producing Media</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 951 Specialist Journalism Project</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 952 Journalism and Society</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

- P3 954 Scots Law for Journalists 5 20

The list of Optional Classes in Regulation 19.127.174, List A in Regulation 19.127.184 and the Compulsory Classes in Regulation 19.127.43.

Students for the degree of MLitt only:

- P3 928 Dissertation 5 60
- or
- ES 921 Journalism Portfolio 5 60

Examination, Progress and Final Assessment

19.127.36 The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken and, if required, in an oral examination.

Award

19.127.37 **Degree of MLitt:** In order to qualify for the degree of MLitt in International 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 or portfolio.

19.127.38 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Journalism, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

MLitt in Digital Journalism
Postgraduate Diploma in Digital Journalism

Course Regulations
These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.127.41 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study

19.127.42 Regulations 19.1.4 and 19.1.5 shall apply.

Mode of Study

19.127.43 The courses are available by full-time study only.

Curriculum

19.127.44 All students shall undertake an approved curriculum as follows:

for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MLitt – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3 950 Producing Media</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 954 Scots Law for Journalists</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 955 Media Ethics</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 958 Multimedia Journalism</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 957 Entrepreneurial Journalism</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 909 Qualitative Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 913 European Political Economy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 914 European Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 915 Contesting Global Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 916 Comparative Public Policy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 917 Policy Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>P3 952 Journalism and Society</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 932 Covering Globalisation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 932 Covering Globalisation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>QQ 956 Travelin’ Blues: Literature, Politics and Displacement</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Such other Level 5 classes chosen from other courses offered by the Faculty of Humanities and Social Sciences as may be approved by the Course Director.

Students for the degree of MLitt only:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3 956 Production Dissertation</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken and, if required, in an oral examination.

**Award**

19.127.47 **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.

19.127.48 **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 classes of the course.

**MLitt in Literary Journalism**  
**Postgraduate Diploma in Literary Journalism**

**Course Regulations**  
[These regulations are to be read in conjunction with Regulation 19.1.]

**Admission**

19.127.51 Notwithstanding Regulation 19.1.1, applicants should possess
(i) a BA Honours degree (or in the case of direct entry to a Master's programme, a first or second class honours degree) in English Literature or Cultural Studies from a United Kingdom university, or
(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be the 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**

19.127.52 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

19.127.53 The course is available by full-time and part-time study.

**Curriculum**

19.127.54 All students shall undertake an approved curriculum as follows:

- for the Postgraduate Diploma – no fewer than 120 credits, including 40 credits from List A
- for the degree of MLitt, no fewer than 180 credits, including a dissertation
Compulsory Class
QQ 939  Research Skills in Literature, Culture and Communication  5  20

Optional Classes
List A
P3 940  Journalism and Cultural Politics  5  20
P3 941  Journalists in Film and Literature  5  20
P3 942  The Literature of Journalism  5  20

List B
The list of Optional Classes in Regulation 19.127.194.

Such other Level 5 classes up to a maximum of 20 credits chosen from other courses offered by Department of English Studies or by another department in the University 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.

Students for the degree of MLitt only:
P3 943  Dissertation  5  60

Examination, Progress and Final Assessment
19.127.56  Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.
19.127.57  The final assessment will be based on performance in the coursework, the dissertation where undertaken and, if required, in an oral examination.

Award
19.127.58  Degree of MLitt: In order to qualify for the degree of MLitt in Literary Journalism, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.
19.127.59  Postgraduate Diploma:  In order to qualify for the Postgraduate Diploma in Literary Journalism, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.127.60  (Number not used)
19.128 Law

LLM in Construction Law
Postgraduate Diploma in Construction Law
Postgraduate Certificate in Construction Law

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission
19.128.1 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.

Duration of Study
19.128.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.128.3 The courses are available by full-time or part-time study.

Curriculum
19.128.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Diploma – no fewer than 120 credits
for the degree of LLM – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9976 The Law of the Construction Industry</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9985 Law and Practice of Construction Management</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 930 Research Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>and either</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Candidates without a Law degree:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M9 983 Legal Process and the Law of Contracts and other Obligations</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Candidates with a Law degree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M9 902 The Context of Construction</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 967 Dispute Resolution</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 984 Group Mock Adjudication Exercise and Hearing</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Such other Level 5 classes up to a maximum of 20 credits chosen from other courses offered by the University as may be approved by the Course Director offering the class and the Course Director of the course on which the student is registered.
Students for the degree of LLM only:
M9 918 Dissertation in Construction 5 60

Examination, Progress and Final Assessment

19.128.5 Regulations 19.1.25 – 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.6 Progress of Part-time students
Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

Award

19.128.7 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 of which 60 must have been awarded in respect of the dissertation.

19.128.8 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 from the taught classes of the course.

19.128.9 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 from the taught classes of the course.

19.128.10 Distinction Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at the first sitting, with no class marks below 60%.

19.128.11 Merit Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.

LLM in Internet, Law and Policy
Postgraduate Diploma in Internet, Law and Policy
Postgraduate Certificate in Internet, Law and Policy

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission

19.128.12 Regulation 19.1.1 - 19.1.4 shall apply.

Duration of Study

19.128.13 Regulations 19.1.5 and 19.1.6 shall apply.
Mode of Study

19.128.14 The courses are available by full-time and part-time study and by distance learning.

Curriculum

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 808 International Intellectual Property</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 822 Software Licensing in a Global Environment</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 829 Surveillance, Technology and Crime Control</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 907 Internet Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 941 Intellectual Property Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 829 Privacy, Crime and Security</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 944 E-Commerce</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 950 Domain Name Regulations</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 975 Telecommunications Law</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of LLM only:

Compulsory Class

M9 980 Research Methods                               | 5     | 20      |

Optional Classes

No fewer than 40 and no more than 60 credits chosen from:

The list of optional classes above

Such other Level 5 classes up to a maximum of 20 credits chosen from other courses offered by the University as may be approved by the Course Director of the course on which the student is registered.

Students for the degree of LLM only:

*either*

M9 900 Dissertation                                    | 5     | 60      |

*or*

M9 955 Project                                        | 5     | 60      |

Examination, Progress and Final Assessment

19.128.16 Regulations 19.1.25 – 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.17 Progress of Part-time students

Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two
Award

19.128.18 **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 of which 60 must have been awarded in respect of the dissertation or project as appropriate.

19.128.19 **Postgraduate Diploma:** 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 from the taught classes of the course.

19.128.20 **Postgraduate Certificate:** 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 classes of the course.

19.128.21 **Distinction Award:** Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at first sitting, with no class marks below 60%.

19.128.22 **Merit Award:** Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.

19.128.23 to 19.128.30 (Number not used)

LLM in Information Technology and Telecommunications Law
Postgraduate Diploma in Information Technology and Telecommunications Law
Postgraduate Certificate in Information Technology and Telecommunications Law

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission

19.128.31 Regulation 19.1.1 - 19.1.4 shall apply.

Duration of Study

19.128.32 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.128.33 The courses are available by full-time and part-time study and by distance learning.
Curriculum

19.128.34 All students shall undertake an approved curriculum as follows:

Optional Classes

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 839</td>
<td>Surveillance, Technology and Crime Control</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 975</td>
<td>Telecommunications Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 941</td>
<td>Intellectual Property Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 829</td>
<td>Privacy, Crime and Security</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 944</td>
<td>E-Commerce</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 907</td>
<td>Internet Governance</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of LLM only:

Compulsory Class

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 980</td>
<td>Research Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 40 credits and no more than 60 credits from the optional classes list above

Such other Level 5 classes up to a maximum of 20 credits as may be approved by the Course Director of the course on which the student is registered.

Students for the degree of LLM only:

either

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 900</td>
<td>Dissertation in Information Technology</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 955</td>
<td>Project</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.128.35 Regulations 19.1.18 and 19.1.19 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.36 Progress of Part-time students
Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

Award
Degree of LLM: In order to qualify for the award of LLM in Information Technology and Telecommunications Law, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation or project as appropriate.

Postgraduate Diploma: 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 from the taught classes of the course.

Postgraduate Certificate: 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 classes of the course.

Distinction Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at the first sitting, with no class marks below 60%.

Merit Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.
LLM in Human Rights Law
Postgraduate Diploma in Human Rights Law
Postgraduate Certificate in Human Rights Law

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission
19.128.42 Regulations 19.1.1 - 19.1.4 shall apply.

Duration of Study
19.128.43 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.128.44 The courses are available by full-time or part-time study.

Curriculum
19.128.45 All students shall undertake an approved curriculum as follows:

Compulsory Class

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS 930</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Optional Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 986</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 988</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 989</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 990</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 991</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of LLM only:
Optional Classes
No fewer than 60 further credits chosen from the list of optional classes above or
Such other Level 5 classes up to a maximum of 20 credits as may be approved by the Course Director Director of the course on which the student is registered.

Students for the degree of LLM only:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 916</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.128.46 Regulations 19.1.25 – 19.1.33 shall apply, except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.
Progress of Part-time students
Part time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to Year Two.

Award

Degree of LLM: In order to qualify for the award of LLM in Human Rights Law, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.

Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Human Rights Law, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

Postgraduate Certificate: 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 classes of the course.

Distinction Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at the first sitting, with no class marks below 60%

Merit Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.

LLM in International Economic Law
Postgraduate Diploma in International Economic Law
Postgraduate Certificate in International Economic Law

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission

Regulations 19.1.1 -19.1.4 shall apply.

Duration of Study

Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

The courses are available by full-time or part-time study.

Place of Study

As permitted by Regulation 19.1.8, some off-campus work may be required.

Curriculum
All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 920 The World Trading System: Law and Policy</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

List A: Optional Classes
40 credits chosen from:

- EC 911 International Trade Theory, Policy, and Institutions 5 20
- M9 921 International Environmental Law 5 20
- M9 922 Business with Human Rights 5 20
- M9 923 Competition Law and Policy in the EU 5 20
- M9 924 Comparative Obligations of Law 5 20
- M9 925 Intellectual Property Law 5 20
- M9 932 Comparative Company Law and Regulation 5 20
- M9 947 Energy Resources and Policy 5 20
- M9944 E-Commerce 5 20
- M9 983 Legal Process and the Law of Contract and Other Obligations [only for students with a non-law background] 5 20

Students for the Postgraduate Diploma and degree of LLM in addition will undertake:

Compulsory Class
- M9 980 Research Methods 5 20

Optional Classes
No fewer than 40 credits and no more than 60 credits chosen from List A. Subject to the approval of the Course Director a student may take one 20 credit class at Level 5 offered by the University of Strathclyde in lieu of an optional class from List A.

Students for the degree of LLM only:
- M9 927 Dissertation 5 60
- M9 928 Field Dissertation 5 60

**Examination, Progress and Final Assessment**

Regulations 19.1.25 – 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

**Progress of Part-time students**

Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.
Award

19.128.68 **Degree of LLM:** In order to qualify for the award of LLM in International Economic Law, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.

19.128.69 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Economic Law, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.128.70 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Economic Law, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.128.71 **Distinction Award:** Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at the first sitting, with no class marks below 60%.

19.128.72 **Merit Award:** Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.

LLM in International Law and Sustainable Development
Postgraduate Diploma in International Law and Sustainable Development
Postgraduate Certificate in International Law and Sustainable Development

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission

19.128.73 Regulations 19.1.1 - 19.1.4 shall apply.

Duration of Study

19.128.74 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.128.75 The courses are available by full-time or part-time study.

Place of Study

19.128.76 As permitted by Regulation 19.1.8, some off-campus work may be required.

Curriculum

19.128.77 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits

343
for the Postgraduate Diploma – no fewer than 120 credits including those for all the compulsory classes
for the degree of LLM – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 920 The World Trading System: Law and Policy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 921 International Environmental Law</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 911 International Trade Theory, Policy, and Institutions</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 922 Human Rights and Business</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 923 Competition Law and Policy in the EU</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 924 Comparative Obligations Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 925 Intellectual Property Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 931 Legal Process and the Law of Contract and Other Obligations</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>ME 927 Energy Resources and Policy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 991 UK and EU Environmental Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CL 960 Fundamentals of Environmental Forensic</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>CL 946 Global Water Policy</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of LLM only:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 930 Research Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits and no more than 60 credits from the list of optional classes above. Subject to the approval of the Course Director, a student may take one 20 credit class at level 5 in lieu of an optional class.

Students for the degree of LLM only:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 927 Dissertation</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M9 948 Field Dissertation</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.128.78 Regulations 19.1.25 – 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.79 Progress of Part-time Students
Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

**Award**

19.128.80 **Degree of LLM:** In order to qualify for the award of LLM in International Law and Sustainable Development, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.

19.128.81 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Law and Sustainable Development, a candidate must have accumulated no fewer than 120 credits from the taught classes.

19.128.82 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Law and Sustainable Development, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

19.128.83 **Distinction Award:** Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at the first sitting, with no class marks below 60%.

19.128.84 **Merit Award:** Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.

**Mediation and Conflict Resolution**

**LLM in Mediation and Conflict Resolution**

**MSc in Mediation and Conflict Resolution**

**Postgraduate Diploma in Mediation and Conflict Resolution**

**Postgraduate Certificate in Mediation and Conflict Resolution**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

**Admission**

19.128.85 Regulations 19.1.1 and 19.1.2 shall apply.

**Duration of Study**

19.128.86 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

19.128.87 The course is available by both full time and part-time study.

**Curriculum**

19.128.88 All students shall undertake an approved curriculum as follows:
### Compulsory Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 937</td>
<td>Theory and Principles of Conflict Resolution</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 938</td>
<td>Mediation in Practice</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

### Optional Classes

20 credits chosen from:

- M9 809 Conflict Resolution and the State 5 20
- M9 810 Mediation, Policy and the Law 5 20
- M9 811 Employment Mediation 5 20
- M9 939 Negotiation 5 20
- M9 931 Legal Process and the Law of Contract and 5 20

### Other Obligations

[only for students with a non-law background]

Students for the Postgraduate Diploma and degrees of LLM and MSc in addition will undertake:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 980</td>
<td>Research Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

### Optional Classes

No fewer than 40 credits and no more than 60 credits chosen from the list of optional classes, or such other Level 5 classes as approved by the Course Director.

- M9 963 Dissertation (LLM) 5 60
- M9 812 Dissertation (MSc) 5 60

### Examination, Progress and Final Assessment

19.128.89 Regulations 19.1.25 – 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.90 **Progress of Part-time Students**

Part-time students for the degree of LLM, MSc or Postgraduate Diploma shall normally require 40 credits to progress to year two.

### Award

19.128.91 **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 from the course curriculum of
which 60 must have been awarded in respect of the appropriate Dissertation class (M9XXX or M9812 respectively).

19.128.92 **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 60 credits from the course curriculum.

19.128.93 **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 course curriculum.

19.128.94 **Distinction Award:** Regulation 19.1.49 shall apply.

19.128.95 **Merit Award:** Regulation 19.1.49 shall apply.

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**Postgraduate Diploma in Professional Legal Practice**

19.128.96 **Course Regulations**

[These regulations are to be read in conjunction with Regulation 19.1]

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).

**Admission**

19.128.97 Notwithstanding Regulation 19.1.1, applicants shall possess

(i) an LLB of a Scottish university, or

(ii) a qualification deemed by the Course Director acting on behalf of Senate to be the equivalent to (i) above.

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).

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

**Duration of Study**

19.128.99 Notwithstanding Regulation 19.1.5 the duration of study will normally be 9 months for full time study with the expected duration of study to normally be 18 months for part-time study (attended as two periods of 9 months).

**Mode of Study**

19.128.100 The course is available by full-time and part-time study.

**Curriculum**

347
All students shall undertake an approved curriculum as follows:

### Compulsory Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 801</td>
<td>Business and Financial Awareness</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 802</td>
<td>Civil Litigation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 814</td>
<td>Personal Injury Claim Handling</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 815</td>
<td>Professional Practice and Ethics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 817</td>
<td>Private Client</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 819</td>
<td>Conveyancing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 820</td>
<td>Criminal Litigation</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

### Optional Classes

No fewer than 50 credits chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 800</td>
<td>Advanced Private Client</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 803</td>
<td>Advanced Criminal Advocacy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 804</td>
<td>Commercial Conveyancing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 805</td>
<td>Company Law</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 806</td>
<td>Commercial Contracts and IP</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 807</td>
<td>Family Business</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 813</td>
<td>Family Law</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 816</td>
<td>Practical Public Administration</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 818</td>
<td>Work-Based Learning in a Legal Environment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 817</td>
<td>Employment Law</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 827</td>
<td>Business Accounting for Legal Professionals</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>M9 828</td>
<td>Mediation and Meditation Advocacy</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

### Examination, Progress and Final Assessment

19.128.102 Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.

19.128.103 Progress to the second year of part-time study will be permitted if a student obtains at least 40 credits.

19.128.104 Notwithstanding Regulation 19.1.29, 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 class a maximum of two further attempts at passing the class. The attempt shall normally be made at the next available diet of examinations. The Board of Examiners may additionally require a student to reattend a class.

19.128.105 The final assessment will be based on performance in the examinations, coursework and, if required, in an oral examination.

### Award

19.128.106 **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.
Criminal Justice & Penal Change

LLM in Criminal Justice & Penal Change
MSc in Criminal Justice & Penal Change
Postgraduate Diploma in Criminal Justice & Penal Change
Postgraduate Certificate in Criminal Justice & Penal Change

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.128.111 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.128.112 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.128.113 The course is available by both part-time and full-time study.

Curriculum
19.128.114 All students shall undertake an approved curriculum as follows:
   For the Postgraduate Certificate – no fewer than 60 credits
   For the Postgraduate Diploma – no fewer than 120 credits
   For the LLM or MSc – no fewer than 180 credits from the appropriate
   pathway including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 843 Justice and Penal Decision-Making</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 845 Punishment and Processes of Penal Change</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 60 credits and no more than 80 credits including at least 40
credits from either List A (LLM pathway) or List B (MSc pathway)

List A
M9 838 Childhood and Crime 5 20
M9 842 Restorative Justice 5 20
M9 846 Homicide (available from 2013/14) 5 20

List B
M9 840 Offender Supervision & Management 5 20
M9 842 Restorative Justice 5 20
M9 839 Surveillance, Technology and Crime Control 5 20
Such other Level 5 classes up to a maximum of 20 credits subject to the approval of the Course Director.

Students for the Postgraduate Diploma and degree of LLM or MSc only:
M9 830 Research Methods 5 20

Students for the degree of LLM only:
M9 844 Dissertation (LLM) 5 60

Students for the degree of MSc only:
M9 841 Dissertation (MSc) 5 60

Examination, Progress and Final Assessment

19.128.115 Regulations 19.1.25 to 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.116 Progress of Part-time Students
Part-time students for the degree of LLM or MSc or Postgraduate Diploma shall normally require 40 credits to progress to year two.

Award

19.128.117 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, of which 100 must have been awarded from the appropriate pathway including 60 credits in respect of the Dissertation.

19.128.118 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 from the taught classes.

19.128.119 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 classes.

19.128.120 Distinction Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at the first sitting, with no class marks below 60%.

19.128.121 Merit Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.

19.128.122 to 19.128.130 (Numbers not used)
LLM in Professional Legal Practice

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.128.131 Notwithstanding Regulation 19.1.1, applicants for the LLM shall possess
   (i) a Postgraduate Diploma in Professional Legal Practice, or
   (ii) a qualification deemed by the Course Director acting on behalf of
        Senate to be the equivalent to (i) above.
19.128.132 In all cases, applicants whose first language is not English, shall be required
        to demonstrate an appropriate level of English.

Duration of Study
19.128.133 Notwithstanding Regulations 19.1.5 and 19.1.6 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
19.128.134 The LLM course is available by distance learning only.

Curriculum
19.128.135 All students shall undertake an approved curriculum as follows

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 980</td>
<td>Research Methods</td>
</tr>
<tr>
<td>M9 848</td>
<td>Dissertation in Professional Legal Practice</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.128.136 Progress may be dependent on satisfactory performance against prescribed
        criteria in the earlier part of the course.
19.128.137 Progress to the Dissertation on the LLM is dependent on a student
        successfully completing the class M9980 Research Methods.
19.128.138 Notwithstanding Regulation, 19.1.29, 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 M9980
        *** Research Methods a maximum of two further attempts at passing the
        class. The attempt shall normally be made at the next available diet of
        examinations. The Board of Examiners may additionally require a student to
        reattend the class.
19.128.139 The final assessment will be based on performance in the examinations,
        coursework, the dissertation and, if required, in an oral examination.

Award
19.128.140 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 and 20 credits from the class M9980*** Research Methods and the remainder of the credits will be awarded through credit transfer and recognition of prior learning.

19.128.141 to 19.128.150 (Numbers not used)

LLM in Advocacy Studies
Postgraduate Diploma in Advocacy Studies
Postgraduate Certificate in Advocacy Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1].

Admission
19.128.151 Regulation 19.1.1 - 19.1.4 shall apply.

Duration of Study
19.128.152 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.128.153 The courses are available by full-time and part-time study.

Curriculum
19.128.154 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate - no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of LLM – no fewer than 180 credits including a dissertation

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 930</td>
<td>Legal Research</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 833</td>
<td>Case Analysis and Communication</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 836</td>
<td>Written Advocacy and Negotiation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 837</td>
<td>Pre trial/proof/hearing advocacy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 834</td>
<td>Trial/proof/Arbitration Advocacy</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Class
M9 832 Appellate Advocacy 5 20

Students for the Postgraduate Diploma and degree of LLM only may take: Such other Level 5 classes up to a maximum of 20 credits chosen as may be approved by the Course Director of the course on which the student is registered in lieu of class M9 832 Appellate Advocacy.

352
Students for the degree of LLM only:
M9 835  Dissertation in Advocacy Studies  5  60

Examination, Progress and Final Assessment
19.128.155 Regulations 19.1.18 and 19.1.19 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.156 Progress of Part-time Students
Part-time students for the degree of LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

Award
19.128.157 Degree of LLM: In order to qualify for the award of LLM in Advocacy Studies, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the dissertation.
19.128.158 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Advocacy Studies, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.128.159 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Advocacy Studies, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
19.128.160 Distinction Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at the first sitting, with no class marks below 60%.
19.128.161 Merit Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at the first sitting.

19.128.162 to
19.128.179 (Numbers not used)
Employment and Labour Law Studies

LLM/MSc in Employment and Labour Law Studies
Postgraduate Diploma in Employment and Labour Law Studies
Postgraduate Certificate in Employment and Labour Law Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.128.180 Regulations 19.1.1 and 19.1.2 shall apply

Duration of Study
19.128.181 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.128.182 The course is available by both full time and part-time study.

Curriculum
19.128.183 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 852 Contemporary Employment Relations</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 854 Employment Law Theory and Practice</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

List A: Optional Classes
No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 945 Equality Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 853 Labour Law in the Global Economy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 811 Employment Mediation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 957 International Human Rights Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>HR 918 Labour and Diversity in a Global Context</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of LLM/MSc in addition will undertake:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 930 Research Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits and no more than 60 credits from List A. Subject to the approval of the Course Leader a student may take one 20 credit class at Level 5 offered by the University of Strathclyde in lieu of an optional class from List A.

Students for the degree of LLM only:
Dissertation (LLM) 5 60

M9 863

Students for the degree of MSc only:

Dissertation (MSc) 5 60

M9 812

Examination, Progress and Final Assessment

19.128.184 Regulations 19.1.25 – 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have one further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.

19.128.185 Progress of Part-time Students

Part-time students for the degree of MSc/LLM or Postgraduate Diploma shall normally require 40 credits to progress to year two.

Award

19.128.186 Degree of LLM: In order to qualify for the award of the degree of LLM in Employment and Labour Law Studies, a candidate must normally have accumulated no fewer than 180 credits from the course curriculum of which 60 must have been awarded in respect of the Dissertation (LLM).

19.128.187 Degree of MSc: In order to qualify for the award of the degree of MSc in Employment and Labour Law Studies, a candidate must normally have accumulated no fewer than 180 credits from the course curriculum of which 60 must have been awarded in respect of the Dissertation (MSc).

19.128.188 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Employment and Labour Law Studies, a candidate must normally have accumulated no fewer than 60 credits from the course curriculum.

19.128.189 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Employment Law and Labour Law Studies, a candidate must normally have accumulated no fewer than 60 credits from the course curriculum.

19.128.190 Distinction Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 70% comprising marks all awarded at first sitting, with no class marks below 60%.

19.128.191 Merit Award: Regulation 19.1.49 shall apply. Students shall require an average mark of at least 60% comprising marks all awarded at first sitting.

19.128.192 to 19.128.212 (number not used)

355
LLM in Climate Change Law and Policy
Postgraduate Diploma in Climate Change Law and Policy
Postgraduate Certificate in Climate Change Law and Policy

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.128.213 Regulations 19.1.1 and 19.1.2 shall apply

Duration of Study
19.128.214 Flexible Learning with a duration between one and three years.

Mode of Study
19.128.215 The course is available by distance learning study.

Curriculum
19.128.216 All students shall undertake an approved curriculum as follows:

Compulsory Classes

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 857 Climate Change and International Law</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 858 Comparative Climate Change Law</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

List A: Optional Classes
No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 XXX Equity and Adaptation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 XXX Carbon Markets and Climate Finance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 XXX Forests, Land Use and Climate Change</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 XXX Sustainable Energy Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 XXX Climate Change and Litigation</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>M9 XXX Climate Change and the Global Economy</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of LLM in addition will undertake:

Compulsory Class

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 930 Research Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits and no more than 60 credits from List A.
Subject to the approval of the Course Director a student may take one 20 credit class at Level 5 offered by the University of Strathclyde in lieu of an optional class from List A.

Students for the degree of LLM only:

<table>
<thead>
<tr>
<th>Optional Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9 863 Dissertation (LLM)</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.128.217 Regulations 19.1.25 – 19.1.33 shall apply except that in terms of Regulation 19.1.30, a student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 19.1.23 shall normally have two further opportunities to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide.
Award

Degree of LLM: In order to qualify for the award of the degree of LLM in Climate Change Law and Policy, a candidate must have accumulated no fewer than 180 credits from the course curriculum of which 60 must have been awarded in respect of the Dissertation.

Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Climate Change Law and Policy, a candidate must have accumulated no fewer than 60 credits from the course curriculum.

Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Climate Change Law and Policy, a candidate must have accumulated no fewer than 60 credits from the course curriculum.
Politics

MSc in Public Policy
Postgraduate Diploma in Public Policy

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.131.1 Notwithstanding Regulation 19.1.1, applicants shall normally possess
(i) a first or second class Honours degree in Social Science of a United
    Kingdom university; or
(ii) a qualification deemed by the Course 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
19.131.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.131.3 The courses are available by full-time and part-time study.

Curriculum
19.131.4 All students shall undertake an approved curriculum as follows:

For the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a
dissertation

Compulsory Classes*

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 916</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 917</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>and two of the following</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L2 909</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 941</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 905</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 908</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 912 International Institutions and Regimes</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 913 European Political Economy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 914 European Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 915 Contesting Global Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 909 Qualitative Methods*</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 941 Principles of Research Design*</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>
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.

Students for the degree of MSc only:
L2 933 Dissertation 5 60

Examination, Progress and Final Assessment

19.131.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.131.6 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.
19.131.7 The final assessment will be based on performance in all elements of the coursework, the dissertation and, if required, in an oral examination.

Award

19.131.8 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.
19.131.9 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 classes of the course curriculum.
19.131.10 (Numbers not used)
MSc in Political Research
Postgraduate Diploma in Political Research

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.131.11 Notwithstanding Regulation 19.1.1, applicants shall normally possess
(i) a first or second class Honours degree in Social Science of a United
   Kingdom university; or
(ii) a qualification deemed by the Course 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
19.131.12 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.131.13 The courses are available by full-time and part-time study.

Curriculum
19.131.14 All students shall undertake an approved curriculum as follows:

   for the Postgraduate Diploma – no fewer than 120 credits
   for the degree of MSc – no fewer than 180 credits including a
dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 941 Principles of Research Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 905 Quantitative Methods 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 908 Quantitative Methods 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 909 Qualitative Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits chosen from:
L2 912 International Institutions and Regimes | 5 | 20 |
L2 913 European Political Economy | 5 | 20 |
L2 914 European Governance | 5 | 20 |
L2 915 Contesting Global Governance | 5 | 20 |
L2 916 Comparative Public Policy | 5 | 20 |
L2 917 Policy Analysis | 5 | 20 |

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.

360
Students for the degree of MSc only:
L2 933 Dissertation 5 60

Examination, Progress and Final Assessment
19.131.15 Regulations 19.1.25 – 19.1.33 shall apply.
19.131.16 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.
19.131.17 The final assessment will be based on performance in the examinations, the coursework, the dissertation and, if required, in an oral examination.

Award
19.131.18 **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.
19.131.19 **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 classes of the course curriculum.
19.131.20 (Number not used)

MSc in European Public Policy
Postgraduate Diploma in European Public Policy

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.131.21 Notwithstanding Regulation 19.1.1, applicants shall normally possess
(i) a first or second class Honours degree in Social Science of a United Kingdom university; or
(ii) a qualification deemed by the Course 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
19.131.22 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.131.23 The courses are available by full-time and part-time study.

Curriculum
19.131.24 All students shall undertake an approved curriculum as follows:
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 913 European Political Economy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 914 European Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 916 Comparative Public Policy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 917 Policy Analysis</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 941 Principles of Research Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 905 Quantitative Methods 1: Survey Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 908 Quantitative Methods 2: Statistics and Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 909 Qualitative Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 912 International Institutions and Regimes</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 915 Contesting Global Governance</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

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.

Students for the degree of MSc only:

| L2 933 Dissertation                                           | 5     | 60      |

Examination, Progress and Final Assessment

19.131.26 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.
19.131.27 The final assessment will be based on performance in the examinations, the coursework, the dissertation and, if required, in an oral examination.

Award

19.131.28 **Degree of MSc:** In order to qualify for the award of the degree of MSc in European 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.

19.131.29 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in European Public Policy, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course curriculum.

19.131.30 (Number not used)
MSc in International Public Policy
Postgraduate Diploma in International Public Policy

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.131.31 Notwithstanding Regulation 19.1.1, applicants shall normally possess
(i) a first or second class Honours degree in Social Science of a United
Kingdom university; or
(ii) a qualification deemed by the Course 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
19.131.32 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.131.33 The courses are available by full-time and part-time study.

Curriculum
19.131.34 All students shall undertake an approved curriculum as follows:
for the Postgraduate Diploma – no fewer than 20 credits
for the degree of MSc – no fewer than 180 credits including a
dissertation

Compulsory Classes
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 912</td>
<td>International Institutions &amp; Regimes</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 915</td>
<td>Contesting Global Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 916</td>
<td>Comparative Public Policy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 917</td>
<td>Policy Analysis</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 40 credits chosen from:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 941</td>
<td>Principles of Research Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 905</td>
<td>Quantitative Methods 1: Survey Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 908</td>
<td>Quantitative Methods 2: Statistics and Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 909</td>
<td>Qualitative Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 913</td>
<td>European Political Economy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 914</td>
<td>European Governance</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

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.
Students for the degree of MSc only:
L2 933 Dissertation 5 60

Examination, Progress and Final Assessment
19.131.35 Regulations 19.1.25 – 19.1.33 shall apply.
19.131.36 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.
19.131.37 The final assessment will be based on performance in the examinations, the coursework, the dissertation and, if required, in an oral examination.

Award
19.131.38 Degree of MSc: In order to qualify for the award of the degree of MSc in International 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.
19.131.39 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in International Public Policy, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course curriculum.

MSc International Politics and Organisations
Postgraduate Diploma International Politics and Organisations

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.131.60 Notwithstanding Regulation 19.1.1, applicants shall normally possess (i) a first or second class Honours degree in Social Science of a United Kingdom university; or (ii) a qualification deemed by the Course 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
19.131.61 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.131.62 The course is available by full-time and part-time study.
## Curriculum

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

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 941 Principles of Research Design</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 912 International Institutions and Regimes</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 915 Contesting Global Governance</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 914 European Governance</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 40 credits chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 905 Quantitative Methods I</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 908 Quantitative Methods II</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 909 Qualitative Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 916 Comparative Public Policy</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 917 Policy Analysis</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L2 913 European Political Economy</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

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.

For the degree of MSc – no fewer than 180 credits including a dissertation

Upon successful completion of the taught element:

L2933 Dissertation                                      | 5     | 60      |

### Examination, Progress and Final Assessment

19.131.64 Regulations 19.1.25 – 19.1.33 shall apply.

19.131.65 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.

19.131.66 The final assessment will be based on performance in the examinations, the coursework, the dissertation and, if required, in an oral examination.

### Award

19.131.67 **Degree of MSc:** In order to qualify for the award of the degree of MSc in International Politics and Organisations, 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.

19.131.68 **Postgraduate Diploma** (only for students that do not complete the dissertation): 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 classes of the course curriculum.
19.132 Psychology

MSc in Educational Psychology

Course Regulations
[These regulations are to be read in conjunction with Regulation 20.1]

Admission
19.132.1 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or upper second class Honours degree in Psychology of a
   United Kingdom university; or
(ii) a qualification deemed by the Course 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
19.132.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.132.3 The course is available by full-time study only and is offered over six
consecutive school terms.

Curriculum
19.132.4 Notwithstanding Regulation 19.1.12, all students shall undertake an
approved curriculum of no fewer than 360 credits

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory Classes</td>
</tr>
<tr>
<td>C8 901 Professional Practice Year 1</td>
</tr>
<tr>
<td>C8 913 Theories, Concepts and Skills for Educational Psychology Year 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory Classes</td>
</tr>
<tr>
<td>C8 902 Professional Practice Year 2</td>
</tr>
<tr>
<td>C8 914 Theories, Concepts and Skills for Educational Psychology Year 2</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment
19.132.5 Students are required to perform to the satisfaction of the Board of Examiners in the course work and in the Professional Practice.

19.132.6 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 class(es) normally in the same academic year.
Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.

The final assessment will be based on performance in all elements of the coursework, the Professional Practice and, if required, an oral examination.

**Award**

**Degree of MSc:** 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 the Professional Practice.

**Research Methods in Psychology**

**MSc in Research Methods in Psychology**

**Course Regulations**

[These regulations are to be read in conjunction with Regulations 19.1]

**Admission**

Notwithstanding Regulation 19.1.1 & 19.1.2, applicants shall possess

(i)  a first or upper second class Honours degree in Psychology of a United Kingdom university; or

(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.

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

**Duration of Study**

Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

The course is available by full-time study only.

**Curriculum**

All students shall undertake an approved curriculum no fewer than 180 credits including a dissertation.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8 937 Dissertation</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>

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Examination, Progress and Final Assessment

19.132.25 Regulations 19.1.52 to 19.31.33 shall apply.
19.132.26 The final assessment will be based on performance in all elements of the coursework, the dissertation and, if required, in an oral examination.

Award

19.132.27 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 120 credits must have been awarded in respect of the dissertation.

19.132.28 Certificate of Postgraduate Studies: shall be awarded to a candidate who successfully completes all taught components and has attained no fewer than 60 credits but less than 180 credits.

Clinical Health Psychology

MSc Clinical Health Psychology
Postgraduate Diploma Clinical Health Psychology
Postgraduate Certificate Clinical Health Psychology

Course Regulations
[These regulations are to be read in conjunction with Regulations 19.1] 19.132.49

19.132.49 Admission
Notwithstanding Regulation 19.1.1 & 19.1.2, candidates shall possess
(i) a first or upper second class Honours degree in Psychology of a United Kingdom university; or
(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.

In all cases, applicants whose first language is not English shall be required to demonstrate an appropriate level of English.
**Duration of Study**
19.132.50 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**
19.132.51 The course is available by full-time or part-time study only.

**Curriculum**
19.132.52 All students studying shall undertake an approved curriculum no fewer than 180 credits for Masters or 120 credits for Postgraduate Diploma including a dissertation.

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8 957 Dissertation Clinical Health Psychology</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>C8 938 Methods in Experimental Psychology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>C8 940 Analysing Discourse and Interaction</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>C8 958 Quantitative Methods for Applied Psychology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>C8 954 Health Psychology related to Medical Conditions</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>C8 953 Clinical Psychology related to Medical Conditions</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>C8 955 Neuro Psychology related to Medical Conditions</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>C8 956 Theories of Mind and Body</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>C8 959 Professional Practice and Placement</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**
19.132.53 Regulations 19.1.52 to 19.31.33 shall apply.

19.132.54 The final assessment will be based on performance in all elements of the coursework, the dissertation and, if required, in an oral examination.

**Award**
19.132.55 **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.

19.132.56 **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 classes of the course curriculum.

19.132.57 **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 classes of the course curriculum.
19.133 Social Work

Master of Social Work
Postgraduate Diploma in Social Work
Postgraduate Certificate in Social Studies

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

The degree of Master of Social Work is conferred by the University of Strathclyde. The regulations which have been approved by Senate are as follows.

Admission
19.133.1 Regulation 19.1.1 shall apply.
In addition, all successful applicants must satisfy the requirements for professional registration by the Scottish Social Services Council (SSSC).

Duration of Study
19.133.2 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.133.3 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
19.133.4 The courses include study at the University of Strathclyde and placement outwith the University campus.

Curriculum
19.133.5 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of Master – no fewer than 180 credits including a dissertation

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 936</td>
<td>Theory and Practice 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 937</td>
<td>Practice 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 953</td>
<td>Understanding Society in a Social, Policy and Legislative Context</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L5 938 Organising Social Work Services</td>
<td>5</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>L5 939 Harm, Risk, and Protection</td>
<td>5</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>L5 940 Theory and Practice 2</td>
<td>5</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>L5 941 Practice 2</td>
<td>5</td>
<td>15</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students for the degree of Master only:</td>
</tr>
<tr>
<td>L5 944 Dissertation</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

19.133.6 Regulations 19.1.29 and 19.1.30 shall apply.

19.133.7 In order to progress to the Postgraduate Diploma in Social Work, a student must have successfully accumulated at least 60 credits from the course curriculum.

19.133.8 In order to progress to the degree of Master, a student must have successfully accumulated at least 120 credits from the course curriculum and have submitted a satisfactory proposal for a dissertation.

19.133.9 The final assessment will be based on performance in the assessments, coursework, the dissertation where undertaken and, if required, in an oral examination.

**Award**

19.133.10 **Degree of Master:** 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 60 must have been awarded in respect of the dissertation.

19.133.11 **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 course curriculum.

19.133.12 **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 course curriculum.

19.133.13 to 19.133.20 (Numbers not used)
MSc in Community Care
Postgraduate Diploma in Community Care
Postgraduate Certificate in Community Care

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.133.21 Regulation 19.1.1 shall apply. In addition candidates shall normally have studied a subject or subjects related to community care as part of their first degree. Candidates who have previously graduated with a compatible Postgraduate Diploma in Community Care, normally within 5 years, and who can demonstrate continuation of learning, may be eligible for direct entry onto the MSc in Community Care.

Duration of Study
19.133.22 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.133.23 The courses are available by part-time study only.

Curriculum
19.133.24 All students shall normally undertake an approved curriculum as follows:

- for the Postgraduate Certificate – no fewer than 60 credits
- for the Postgraduate Diploma – no fewer than 120 credits
- for the degree of MSc – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 916 Principles of Community Care</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 919 Values and Ethics in Community Care</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 946 Practice of Community Care</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Students for the degree of MSc and Postgraduate Diploma in addition shall undertake:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 920 Research Methods in Community Care</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 45 credits chosen from

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 922 Community Care and Older People</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 923 Community Care and People with Mental Health Problems</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>L5 924 Community Care and People with Learning Disabilities</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

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Students for the degree of MSc only:

L5 927 Professional Enquiry and Development leading to a dissertation in Community Care 5 60

Examination, Progress and Final Assessment

19.133.25 Regulations 19.1.25 – 19.1.33 shall apply.

19.133.26 In order to progress to the degree of MSc, a student must have accumulated at least 120 credits from the course curriculum and have submitted a satisfactory proposal for a dissertation.

19.133.27 The final assessment will be based on performance in the coursework, examinations and the dissertation, where undertaken, and, if required, in an oral examination.

Award

19.133.28 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Community Care, 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.

19.133.29 **Postgraduate Diploma:** In order to qualify for the award of Postgraduate Diploma in Community Care, a student must have accumulated no fewer than 120 credits from the taught classes of the course.

19.133.30 **Postgraduate Certificate:** In order to qualify for the award of Postgraduate Certificate in Community Care, a student must have accumulated no fewer than 60 credits from the taught classes of the course.

Postgraduate Certificate in Mental Health Social Work (Mental Health Officer Award)

Course Regulations

[These regulations are to be read in conjunction with Regulation 19.1]

The Postgraduate Certificate in Mental Health Social Work (Mental Health Officers Award) is 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.

Admission

19.133.31 Regulation 19.1.1 shall apply.

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

19.133.32 Regulations 19.1.5 and 19.1.6 shall apply. Notwithstanding the provisions of Regulation 19.1.5, the normal duration of study shall be 12 months. For those in part time employment it is possible to undertake the course of study over 24 months.

Mode of Study

19.133.33 The Postgraduate Certificate in Mental Health Social Work (Mental Health Officers Award) is available by part-time study only.

Place of Study

As permitted by regulation 19.1.8

19.133.34 The course is delivered at the University of Strathclyde, Glasgow and at Glasgow Caledonian University. The practice learning component of the course takes place within the student’s employing agency.

Curriculum

19.133.35 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 962 Mental Health Officer Theory and Practice I</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>L5 963 Mental Health Officer Theory and Practice II</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

Assessment

19.133.36 Regulations 19.1.18 – 19.1.19 shall apply.

Progress

19.133.37 The assessment for class L5 962 Mental Health Officer Theory and Practice I incorporates an assessment of the student’s practice. This practice must be assessed as a pass before the student can progress to class L5 963, Mental Health Officer Theory and Practice II.

19.133.38 The final assessment will be based on performance in the assessments, coursework and, if required, in an oral examination.

Award

19.133.39 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 11 from the course curriculum.
MSc in Child and Youth Care Studies by Distance Learning
Postgraduate Diploma in Child and Youth Care Studies by Distance Learning
Postgraduate Certificate in Child and Youth Care Studies by Distance Learning

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.133.40 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply.
In addition, all successful applicants will be required to have had at least two years of appropriate, post-qualifying professional experience.

Duration of Study
19.133.41 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study
19.133.42 The course is available by part-time study only.

Curriculum
19.133.43 All students shall undertake an approved curriculum as follows:

All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5 912 Child and Youth Care Studies: Theoretical Contexts</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L5 905 Child and Youth Care Studies: Child Development in the Lifespace</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>L5 906 Child and Youth Care Studies: Management and Leadership</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Students for the degree of MSc and Postgraduate Diploma in addition will undertake:

| L5 904 Child and Youth Care Studies: Intervention | 5 | 20 |
| L5 914 Child and Youth Care Studies: Use of Self, Communication Skills and Critical Reflection | 5 | 20 |
| L5 915 Child and Youth Care Studies: Research Methods | 5 | 20 |

Students for the degree of MSc only:

| L5 917 Child and Youth Care Studies: Research Project leading to a dissertation | 5 | 60 |

Examination, Progress and Final Assessment
19.133.44 Regulations 19.1.25 – 19.1.33 shall apply.
In order to progress to the degree of MSc, a student must have accumulated at least 120 credits from the course curriculum and have submitted a satisfactory proposal for a dissertation.

The final assessment will be based on performance in the coursework, examinations and the dissertation, where undertaken, and, if required, in an oral examination.

**Award**

19.133.47 **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.

19.133.48 **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 classes of the course.

19.133.49 **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 classes of the course.
19.134 Sociology

MSc in Social Research
Postgraduate Diploma in Social Research
Postgraduate Certificate in Social Research

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission
19.134.1 Regulations 19.1.1 and 19.1.2 shall apply.

Duration of Study
19.134.2 Regulation 19.1.5 and 19.1.6 shall apply

Mode of Study
19.134.3 The course are available by full-time and part-time study.

Curriculum
19.134.4 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits
for the Postgraduate Diploma – no fewer than 120 credits
for the degree of MSc – no fewer than 180 credits including a dissertation

Students for the Postgraduate Certificate;
Compulsory Classes

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 904</td>
<td>Philosophy of Social Science</td>
</tr>
<tr>
<td>L3 929</td>
<td>Qualitative Methods</td>
</tr>
<tr>
<td>L3 930</td>
<td>Social Research Today</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of MSc in addition shall undertake:
Compulsory Classes

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2.905</td>
<td>Quantitative Methods 1</td>
</tr>
<tr>
<td>GS 9aa</td>
<td>Research Design and Practice</td>
</tr>
</tbody>
</table>

Optional Classes
Such other Level 5 classes up to a maximum of 20 credits chosen from other courses offered by the University 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.

Students for the degree of MSc only

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS 9bb</td>
<td>Dissertation</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

19.134.5 Regulations 19.1.25 – 19.1.33 shall apply.
19.134.6 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.
19.134.7 The final assessment will be based on performance in the examinations, coursework and, if required, in an oral examination.

Award

19.134.8 Degree of MSc: In order to qualify for the award of the degree of MSc in Social 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.
19.134.9 Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Social Research, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
19.134.10 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Social Research, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.

MSc in Refugee and Migration Studies (Social Research)
Postgraduate Diploma in Refugee and Migration Studies (Social Research)
Postgraduate Certificate in Refugee and Migration Studies (Social Research)

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1.]

Admission

19.134.11 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree in Social Science from a United Kingdom university; or
(ii) a qualification deemed by the Head of Department acting on behalf of 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

19.134.12 Regulations 19.1.5 and 19.1.6 shall apply

Mode of Study

19.134.13 The courses are available by full-time and part-time study.

Curriculum

19.134.14 All students shall undertake an approved curriculum as follows:
for the Postgraduate Certificate – no fewer than 60 credits for the Postgraduate Diploma – no fewer than 120 credits including at least 20 credits from the optional classes in List A for the degree of MSc – no fewer than 180 credits, including a dissertation

### Compulsory Classes

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>20</td>
<td>L3 927 Designing Research</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>L7 923 Governing Cities of Difference</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>M9 987 Human Rights and Immigration Legislation</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of MSc in addition shall undertake:

### Optional Classes

No fewer than 60 credits including at least 20 credits from List A

#### List A

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>20</td>
<td>L3 929 Qualitative Methods</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>L3 930 Social Research Today</td>
</tr>
</tbody>
</table>

#### List B

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>20</td>
<td>L2 904 Philosophy of Social Science</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>L2 905 Quantitative Methods 1</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>L3 917 Action Research</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>L3 922 Investigative Research</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>P3 926 Manufacture of Consent</td>
</tr>
</tbody>
</table>

Such other Level 5 classes up to a maximum of 20 credits chosen from other courses offered by the University 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.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>60</td>
<td>L3 919 Dissertation</td>
</tr>
</tbody>
</table>

### Examination, Progress and Final Assessment


19.134.16 Progress between semesters, and where appropriate between years, may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.

19.134.17 The final assessment will be based on performance in the examinations, coursework, the dissertation, where undertaken, and, if required, in an oral examination.
Award

19.134.18 **Degree of MSc**: In order to qualify for the award of the degree of MSc in Refugee and Migration Studies (Social Research), a candidate must have accumulated no fewer than 180 credits, of which 60 credits must have been awarded in respect of the dissertation.

19.134.19 **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Refugee and Migration Studies (Social Research) a candidate must normally have accumulated no fewer than 120 credits from the taught classes of the course.

19.134.20 **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Refugee and Migration Studies (Social Research), a candidate must normally have accumulated no fewer than 60 credits from the taught classes of the course.

MSc in Media and Communication Research
Postgraduate Diploma in Media and Communication Research
Postgraduate Certificate in Media and Communication Research

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.134.21 Notwithstanding Regulation 19.1.1, applicants shall possess
(i) a first or second class Honours degree in Social Science from a United Kingdom university; or
(ii) a qualification deemed by the Head of Department acting on behalf of 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

19.134.22 Regulations 19.1.5 and 19.1.6 shall apply.

Mode of Study

19.134.23 The course is available by full-time and part-time study.

Curriculum

19.134.24 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate – no fewer than 60 credits from the compulsory classes
for the Postgraduate Diploma – no fewer than 120 credits, of which 80 credits from the compulsory classes
for the degree of MSc – no fewer than 180 credits of which 80 credits from compulsory classes and including a dissertation
Compulsory Classes

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3 916 Designing Research</td>
<td>5 20</td>
</tr>
<tr>
<td>L3 922 Investigative Research</td>
<td>5 20</td>
</tr>
<tr>
<td>L3 929 Qualitative Methods</td>
<td>5 20</td>
</tr>
<tr>
<td>P3 926 Manufacture of Consent</td>
<td>5 20</td>
</tr>
</tbody>
</table>

Students for the Postgraduate Diploma and degree of MSc in addition shall undertake:

Optional Classes

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>L2 904 Philosophy of Social Science</td>
<td>5 20</td>
</tr>
<tr>
<td>L2 905 Quantitative Methods 1</td>
<td>5 20</td>
</tr>
<tr>
<td>P3 925 Investigative Journalism: History and Theory</td>
<td>5 20</td>
</tr>
<tr>
<td>P3 952 Journalism and Society</td>
<td>5 20</td>
</tr>
<tr>
<td>P3 955 Media Ethics</td>
<td>5 20</td>
</tr>
</tbody>
</table>

Such other Level 5 classes up to a maximum of 20 credits chosen from other courses offered by the University 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.

Students for the degree of MSc only:

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3 932 Dissertation</td>
<td>5 60</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment


19.134.26 Progress may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.

19.134.27 The final assessment will be based on performance in the examinations, coursework, the dissertation, where undertaken, and, if required, in an oral examination.

Award

19.134.28 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Media and Communication Research, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.

19.134.29 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Media and Communication Research, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.134.30 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Media and Communication Research, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
Postgraduate Diploma in Gaelic Immersion for Teachers

Course Regulations
These regulations are to be read in conjunction with Regulation 19.1

Admission
19.135.1 Regulations 19.1.1, 19.1.2 and 19.1.3 shall apply. 19.1.4 shall not apply.

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
19.135.2 The minimum period of study is 9 months. The maximum period is as set out in regulation 19.1.6.

Mode of Study
19.135.3 The Postgraduate Diploma in Gaelic Immersion for Teachers is available by full-time study only.

Place of Study
19.135.4 The course includes study at the University of Strathclyde and the University of Edinburgh, and placements in Gaelic-medium schools and other appropriate work settings.

Curriculum
19.135.5 All students shall undertake an approved curriculum as follows, each at Level 5 (20 Credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X3 959</td>
<td>Gaelic 1: Threshold (CEFR B1)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3 966</td>
<td>Gaelic 2: Vantage (CEFR B2)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X3 967</td>
<td>Gaelic 3: Proficiency (CEFR C1)</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7 927</td>
<td>Pedagogy 1: Language Learning and Teaching</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7 928</td>
<td>Pedagogy 2: Gaelic Medium Education: Provision, Policy, Practice</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>X7 929</td>
<td>Pedagogy 3: Bilingualism</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Regulation 19.1.15 shall not apply. Course delivery, materials, assessed work and oral examination shall be in Gaelic or English unless stated otherwise in individual course regulations and published in the Course
Examination, Progress and Final Assessment

Regulation 19.1.28 is amended as follows: Except where a course includes an integrative/reflective class that will draw on work in other classes, or where a task is dually assessed for both linguistic and pedagogical performance, each item of work may only be assessed in one class.

Award

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 course curriculum.
Researcher Professional Development

Postgraduate Certificate in Researcher Professional Development

This course provides an academically-recognised framework for the Researcher Development Programme. It recognises researcher development skills training activities, as outlined in the Researcher Development Framework and Statement, that are an embedded part of Doctoral training programmes.

Course Regulations
[These regulations are to be read in conjunction with Regulation 19.1]

Admission

19.150.1 Regulations 19.1.1 and 19.1.2 shall apply. All students will also be registered for a Doctoral programme under Regulation 20.1.

Duration of Study

19.150.2 Regulation 19.1.4 and 19.1.5 shall apply. The normal duration of study will be 36 months.

19.150.3 The course is available by full-time and part-time study.

Curriculum

19.150.4 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD 901 Researcher Knowledge and Intellectual Abilities</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>RD 902 Researcher Personal Effectiveness</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>RD 903 Research Governance and Organisation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>RD 904 Researcher Engagement, Influence and Impact</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>RD 905 Researcher Professional Development Elective</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Examination, Progress and Final Assessment

19.150.5 Regulations 19.1.25-19.1.33 shall apply.

19.150.6 The final assessment will be based on performance in the examinations and coursework.

Award

19.150.7 Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Researcher Professional Development, a candidate must have accumulated no fewer than 60 credits from the course curriculum.
Postgraduate Study and Research

20 Regulations for Higher Degrees

The following awards are conferred by the University by the authority of the Senate under Ordinances 3 and 4 in accordance with the following Regulations 20.1, 20.2, 20.3 and 20.4.

Research Degrees [Degrees with a predominant or significant research content]
Master of Research (MRes)
Master of Philosophy (MPhil)
Doctor of Business Administration (DBA)
Doctor of Education (EdD)
Doctor of Educational Psychology (DEdPsy)
Doctor of Engineering (EngD)
Doctor of Philosophy (PhD)

Notes
1 Throughout these regulations, part-time study includes part-time study and open learning.
2 Where the phrase “Course Director (or nominees)” is used in these regulations, the Head of Department shall nominate appropriate Officers (e.g. Selector or Course Director) or relevant Faculty Committee in each case in accordance with any Departmental or Faculty procedures.
3 In the Faculty of Humanities and Social Sciences, research students are based in the Graduate School and the Associate Dean (PGR) undertakes the role carried out by the Head of Department in the other three faculties.
4 All decisions taken by the Boards of Study, acting on behalf of Senate, should subsequently be reported to Senate.
5 In interpreting these regulations, regard should be had to the University’s Policies and Procedures for Teaching and Learning and, where appropriate, Course Handbooks.
6 Students should also have regard to the Regulations contained in Part 1 of the University Calendar.
20.1 General Regulations for the Degrees of Doctor of Philosophy and Doctor of Engineering

[These regulations are to be read in conjunction with Regulations 3, 4, 5, 6 and 20.5.]

Admission

20.1.1 Applicants must:
(i) possess a Master’s or an Integrated Master’s degree; or
(ii) possess a first or upper second class Honours degree from a United Kingdom University; or
(iii) possess other qualifications deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to be equivalent to (i) or (ii) above; or
(iv) be deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to have achieved an academic standard equivalent to (i) or (ii) above;

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

20.1.3 Applicants who satisfy the provisions of Regulation 20.1.1 may, in addition, be required to have had a period of relevant experience.

20.1.4 In all cases, applicants must submit a satisfactory research area or topic.

Minimum Periods of Study

20.1.5 The minimum period of study for each doctoral candidate shall be confirmed by the relevant Vice Dean (or nominee) acting on behalf of the Senate. Only exceptionally will the following minimum periods of full-time study be reduced.

For full-time study
Doctorate where the doctoral candidate already holds a Masters degree in a subject cognate to their field of study 24 months
Doctor of Philosophy 36 months
Doctor of Engineering 48 months

For part-time study
The minimum period of study should be the learning equivalent of the full-time study period required taking account of the conditions under which the doctoral candidate will work. The actual study time will normally be greater than for full-time study.

A doctoral candidate’s thesis shall be submitted not earlier than two months before the candidate is due to complete the prescribed minimum period of study.

Maximum Periods of Study

20.1.6 Except with the permission of the Senate, a candidate’s thesis must be submitted within a prescribed period from the date of the doctoral candidate’s registration as follows:

For full-time study
Doctor of Philosophy 48 months
Doctor of Engineering 60 months
For part-time study
The expected period of study must be reviewed annually by the Supervisors and confirmed annually at Registration.

Place of Study
20.1.7 Except where the 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 the Senate for the purpose (see Regulation 20.7 and University Policy and Code of Practice for collaborative (off-campus and overseas) courses leading to awards or joint awards of the University and flexible and distributed learning (including e-learning)).
For the degree of Doctor of Engineering study will normally be undertaken within the University of Strathclyde and other institutions. Candidates will also undertake a placement in an industrial establishment.

Nature of Study
20.1.8 All doctoral candidates shall be required to undertake a programme of research in a field of study approved by the relevant Head of Department on behalf of the Senate.
20.1.9 The programme for the degree of Doctor of Philosophy the successful completion of the PG Certificate in Researcher Professional Development (see Regulation 19.150 for details) with a minimum credit rating of 60 credits as stipulated by the Head of Department and/or nominees and a thesis.
20.1.10 The programme for the degree of Doctor of Engineering shall include researcher development skills training with a minimum credit rating of 60 credits (and normally not more than 210 credits) as stipulated in the course regulations, and a portfolio of project related material.
In Regulation 20.1, where thesis is referred to, it is to be interpreted for Doctor of Engineering candidates as the portfolio.
20.1.11 Within the requirement in Regulation 20.1.9 up to 30 credits of the PG Certificate in Researcher Professional Development may be waived under Recognition of Prior Learning (RPL), and within Regulation 20.1.10, up to 30 researcher development skills training may be waived under Recognition of Prior Learning (RPL) by the Head of Department (or nominees) where the doctoral candidate holds a Master’s degree in a subject cognate to their field of study or have evidence of equivalent professional training or work-based experience
20.1.12 The thesis shall embody the results of the doctoral candidate’s original research and must make, in the opinion of the examiners, an identifiable contribution to knowledge. The thesis shall be composed by the candidate, shall not have been previously submitted for examination leading to the award of a degree and shall be accompanied by a declaration to these effects signed by the candidate.

Supervision of Research Doctoral candidates
20.1.13 Each doctoral candidate who is undertaking studies entailing a scheme of research shall be supervised by at least two supervisors, at least one of whom shall be a member of academic or research staff on Teaching and Research Grade 8 (or above) who has been appointed under Ordinance 4.2 The Head of Department has responsibility for appointing appropriate
supervisor(s). Where appropriate, the Head of Department may also appoint a work-based professional to act in the capacity of a mentor.

In the case of Doctor of Engineering candidates, the second supervisor shall be an industrial supervisor normally with experience of professional and career development in addition to having technical or managerial knowledge of the doctoral candidate's research area.

20.1.14 Where the Senate has approved an arrangement with another institution or agency for joint supervision of a doctoral candidate leading to an award or joint award of the University, the Head of Department (or nominee) shall provide the relevant Board of Study with written details of:

(i) the doctoral candidate’s registration (i.e. whether University of Strathclyde regulations will apply or those of the collaborating institution) and primary place of study;

(ii) the name, duties and responsibilities of both the day-to-day and remote supervisors, including arrangements for induction and monitoring doctoral candidate progress and supervision; and

(iii) the arrangements for ensuring regular contact between supervisors and the doctoral candidate throughout the period of study.

When operating within the University of Strathclyde, the doctoral candidate shall be deemed to be a student of the University of Strathclyde and shall be bound by its regulations.

20.1.15 When a doctoral candidate’s approved scheme of research has been completed and a thesis submitted, the supervisor(s) shall sign a declaration that the candidate has complied with the regulations that relate to the award for which they are a candidate.

Attendance, Performance and Progression

20.1.16 Every applicant admitted to a doctoral research programme shall be required to attend regularly and to perform the required work, including the PG Certificate in Researcher Professional Development or researcher development training, to the satisfaction of the Department.

20.1.17 A doctoral candidate must achieve an approved standard of performance against defined criteria within twelve months of the start of study and at least annually thereafter. The assessment shall normally be carried out by a Research Panel appointed by the Head of Department.

20.1.18 Doctoral candidates have an obligation to inform the University Student Experience – Student Business at the very first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.

20.1.19 A doctoral candidate who, in the opinion of the Head(s) of the Department(s) (or nominees(s)) does not satisfy the requirements as to attendance and to performance and having been informed in writing, may be required to withdraw. The names of such doctoral candidates shall be reported immediately to the relevant Board of Study.

Submission of Theses

[The following regulations for Submission of Theses should be read in conjunction with Regulation 20.5]

20.1.20 When a thesis is submitted, it shall be accompanied by the declaration required by Regulations 20.1.12 and 20.1.15.
20.1.21 The thesis shall be written in English. Exceptionally, the relevant Board of Study may permit submission in a language other than English, in which case a translation of the abstract into English must accompany the thesis.

20.1.22 Candidates for the degree of Doctor of Engineering must include within their portfolio a bound stand-alone summary document which describes the contribution to knowledge and innovation.

20.1.23 Unless permission is granted exceptionally by the relevant Board of Study and in advance of submission of the thesis, the main text of a thesis excluding appendices and annotations, is limited to not more than 100,000 words.

Examinations

20.1.24 The doctoral candidate shall be examined by a thesis, any necessary coursework (as specified under Regulation 20.1.8 or 20.1.9) and by oral examination.

20.1.25 The examination of a doctoral candidate shall be undertaken by an Examining Committee nominated by the Head of Department, endorsed by the relevant Board of Study and appointed by the Senate. The Examining Committee shall include at least one External Examiner and one Internal Examiner. The Head of Department will identify a member of University staff, who is not one of the Internal Examiners or supervisors, to convene the Committee and must attend the oral examination. After consultation with the doctoral candidate and the Examiners, the Convener may invite one supervisor to attend the oral examination in a non-examining capacity. Only in exceptional circumstances shall the doctoral candidate's supervisor be appointed an Internal Examiner and in such cases a second Internal Examiner shall be appointed.

For the degree of Doctor of Engineering, the Examining Committee shall include a second External Examiner who shall be from a different academic discipline than the academic supervisor.

20.1.26 The Examining Committee shall
(i) assess the thesis submitted by the candidate;
(ii) act as the Board of Examiners for the award of the credits for the PG Certificate in Researcher Professional Development under the provision of Regulation 20.1.9 or taught classes or research training undertaken under the provision of Regulation 20.1.10;
(iii) subject the candidate to the oral examination.

In all cases the examiners may subject the candidate to such additional examination, written or oral, as they deem necessary, and shall report to the appropriate Board of Study, which shall make recommendation to the Senate.

20.1.27 The Examining Committee may make the following recommendations to the relevant Board of Study and to the Senate:
(i) the doctoral candidate be awarded the appropriate degree;
(ii) subject to minor corrections to the thesis being carried out satisfactorily, the degree be awarded;
(iii) re-submission of the thesis within a specified time limit when the Examining Committee will be reconvened to re-assess the thesis;
(iv) the doctoral candidate be transferred to an appropriate Master's degree provided the doctoral candidate satisfies the appropriate progress and curricular requirements;
(v) the award be withheld and the candidate be required to withdraw.
In the case of (ii) above, the candidate shall not normally be allowed to graduate until the amendments have been carried out to the satisfaction of the Internal Examiners.

**Voluntary Suspension, Transfer of Registration or Withdrawal**

20.1.28 On the recommendation of the Head of Department (or nominee), the relevant Vice Dean may permit a doctoral candidate to either undertake voluntary suspension for whole or part of a year or transfer between full-time and part-time study where available.

20.1.29 On the recommendation of the Head of the Department concerned, the relevant Board of Study, acting on behalf of the Senate, may approve transfer of a candidate’s registration from the degree of Doctor of Engineering to that for the degree of Doctor of Philosophy or vice-versa. The Board of Study will determine what recognition shall be given to the period which the doctoral candidate has completed.

20.1.30 A candidate for the degree of Doctorate may, after consultation with the Head of the Department concerned, be permitted to transfer registration to a relevant Master’s degree at any time before submission of the thesis or portfolio, subject to the doctoral candidate satisfying the appropriate progress and curricular requirements.

20.1.31 Where the Board of Study concerned receives a report from the relevant Head of Department that the progress made by a candidate for the degree of Doctor of Philosophy or Doctor of Engineering is unsatisfactory the relevant Board of Study, acting on behalf of the Senate, may decide that the doctoral candidate's registration be transferred to a relevant Master’s degree subject to the doctoral candidate satisfying the appropriate progress and curricular requirements.

20.1.32 Notwithstanding Regulation 20.1.6, Vice-Deans may approve an extension to the maximum period of study.

20.1.33 Notwithstanding the provisions of Regulations 20.1.16, 20.1.17, 20.1.27 and 20.1.30, where the Board of Study concerned receives a report from the relevant Head of Department that the progress made by a candidate for the degree of doctorate is unsatisfactory or where an Examining Committee reports that a candidate has failed to satisfy the Examining Committee, the Board of Study, acting on behalf of the Senate, may terminate the doctoral candidate’s registration and require the doctoral candidate to withdraw.

20.1.34 Notwithstanding the provisions of Regulation 20.1.33, a doctoral candidate who is reported to the relevant Board of Study under Regulation 20.1.16 or 20.1.17 for persistent non-attendance, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw.

20.1.35 A doctoral candidate may be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulations 5.4 and 5.5.

**Appeals against Transfer of Registration, and Withdrawal**

20.1.36 Any doctoral candidate required to transfer registration under the provisions of Regulations 20.1.24 or to withdraw under the provisions of Regulations 20.1.33 or 20.1.34 may appeal to the relevant Board of Study for reconsideration of their case on any of the following grounds:
(i) 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

(ii) notwithstanding the doctoral candidate's obligations under Regulation 20.1.18, that there were medical, personal or other circumstances affecting the doctoral candidate's performance of which the examiners or the Board of Study were not aware when their decision was taken; or

(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.

Any such appeal must be supported by appropriate documentary evidence and must be lodged in writing with the appropriate Faculty Officer not later than a date specified by the Board of Study and contained in the letter informing the candidate of the requirement to transfer registration or withdraw.

20.1.37 A doctoral candidate has the ultimate right of appeal to the Senate. Any such appeal shall be set out in writing supported by all appropriate documentary evidence and shall be lodged with the Director of Corporate Services within a period of six weeks from the date of notification to the doctoral candidate of the outcome of the preceding appeal to the Board of Study. The doctoral candidate shall have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

Award

20.1.38 A doctoral candidate who satisfies the conditions of the Ordinances governing the award of degrees, diplomas and certificates and of the general regulations will, on payment of the required fees, be entitled to receive the appropriate award.

20.1.39 To qualify for the award of a Doctor of Philosophy, a candidate must have achieved the minimum number of credits specified in the course regulations of the PG Certificate in Researcher Professional Development and have satisfied the examiners with regard to the thesis.

20.1.40 To qualify for the award of a Doctor of Engineering, a candidate must have achieved the minimum number of credits specified in the course regulations and have satisfied the examiners with regard to the thesis.

20.1.41 The candidate will receive a parchment setting forth the Department in which the award has been granted.

Staff Candidature

20.1.42 The Senate may admit as candidates for the degree of Doctorate, members of the academic and related staff of the University appointed under the provisions of Ordinance 4.

Such candidates shall not be bound by the provisions governing minimum and maximum periods of study contained in Regulations 20.1.4 and 20.1.5 as long as they remain members of the academic and related staff of the University, normally subject to a maximum duration of 96 months.

Other members of the staff of the University or of an institution in special relationship with the University (see Regulation 20.6) may with the specific approval of the Senate be admitted as candidates for the degree of Doctor of Philosophy under the provisions of this Regulation.
A thesis submitted for the degree of doctorate by a member of the academic staff of the University appointed under the provisions of Ordinance 4 may consist substantially or in part of work previously published by the candidate, provided the thesis is so composed as to present a connected record of research in a field of study.
20.2 General Regulations for Professional Doctorate degrees
[These regulations are to be read in conjunction with Regulations 3, 4, 5, 6
and 20.6.]

Admission
20.2.1 Applicants must:
(i) possess a Master’s or an Integrated Master’s degree; or
(ii) possess a first or upper second class Honours degree from a United
   Kingdom University; or
(iii) possess other qualifications deemed, by the Head of Department (or
    nominees) acting on behalf of the Senate, to be equivalent to (i) or (ii)
    above; or
(iv) be deemed, by the Head of Department (or nominees) acting on
    behalf of the Senate, to have achieved an academic standard
    equivalent to (i) or (ii) above;

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

20.2.3 Applicants who satisfy the provisions of Regulation 20.2.1 shall in addition,
   be experienced professional practitioners in their chosen field.

Credit Transfer and Recognition of Prior Learning (RPL)
20.2.4 The relevant Course Director (or nominee) may admit applicants and/or
   approve exemption from part of a course by Credit Transfer or RPL provided
   this is done in accordance with University procedures and against criteria
   defined on a course by course basis.
   Credit Transfer or RPL may only be used once and, when used to gain
   exemption, will normally relate to achievements within 5 years of registration
   on a University of Strathclyde programme.
   Exemption granted on the basis of Credit Transfer or RPL will be allowed
   primarily where students can demonstrate that the relevant specific learning
   outcomes have been achieved (i.e. primarily for specific rather than general
   credit). The extent of any allowed exemption shall preferably not exceed
   50% of the credits appropriate to the course or 60 credits where this is less.
   Where any such exemption is granted, the relevant Board of Study, acting
   on behalf of the Senate, may approve an appropriate reduction in the
   minimum period of study.

Minimum Periods of Study
20.2.5 The minimum period of study for each student shall be confirmed by the
   relevant Vice Dean (or nominees) acting on behalf of the Senate. Only
   exceptionally will the following minimum periods of full-time study be
   reduced.

   For full-time study
   All Professional Doctorates 36 months

   For part-time study
   The minimum period of study should be the learning equivalent of the full-
   time study period required taking account of the conditions under which the
   student will work. The actual study time will normally be greater than for full-
   time study.
A candidate’s thesis shall be submitted not earlier than two months before the candidate is due to complete the prescribed minimum period of study.

**Maximum Periods of Study**

20.2.6 Except with the permission of the Senate, a candidate’s thesis must be submitted within a prescribed period from the date of the candidate’s registration as follows:

For full-time study 60 months

For part-time study

The expected period of study must be reviewed annually by the Supervisors and confirmed annually at Registration.

**Place of Study**

20.2.7 Except where the 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 the Senate for the purpose (see Regulation 20.6 and University Policy and Code of Practice for collaborative (off-campus and overseas) courses leading to awards or joint awards of the University and flexible and distributed learning (including e-learning)).

**Nature of Study**

20.2.8 The structure of a professional doctorate degree shall normally accord with the following:

(i) directed study on research methods; and

(ii) directed study on areas of specialist knowledge; and

(iii) a literature review/mini dissertation each with a minimum credit rating of 60.

In addition, all students shall be required to undertake a scheme of research, leading to a thesis in a field of study approved by the relevant Head of Department on behalf of the Senate.

Each candidate for an award must follow the programme as prescribed in the relevant course regulations.

20.2.9 The programme of every student must be approved in advance by the relevant Course Director or equivalent acting on behalf of the Board of Study.

Where a pass in a particular class is a necessary condition for progress or for an award, this shall be clearly stated in the relevant course regulations.

20.2.10 The thesis shall embody the results of the candidate’s original research and must make, in the opinion of the examiners, an identifiable contribution to the creation and interpretation of new knowledge through original research or other advanced scholarship. The thesis shall be composed by the candidate, shall not have been previously submitted for examination leading to the award of a degree and shall be accompanied by a declaration to these effects signed by the candidate.

**Supervision of Research**

20.2.11 Each student who is undertaking studies entailing a scheme of research shall be supervised by at least two supervisors, at least one of whom shall be a member of academic or research staff on Teaching and Research
Grade 8 (or above) who has been appointed under Ordinance 4.2. The Head of Department has responsibility for appointing appropriate supervisor(s). Where appropriate, the Head of Department may also appoint a work-based professional to act in the capacity of a mentor.

In the case of the Doctor of Educational Psychology, the primary supervisor shall be a qualified educational psychologist employed by the University. In the case of the Doctor of Pharmacy, at least one Supervisor shall be registered as a member of the General Pharmaceutical Council (GPhC).

Where the Senate has approved an arrangement with another institution or agency for joint supervision of a student leading to an award or joint award of the University, the Head of Department (or nominee) shall provide the relevant Board of Study with written details of:

(i) the student’s registration (i.e. whether University of Strathclyde regulations will apply or those of the collaborating institution) and primary place of study;

(ii) the name, duties and responsibilities of both the day-to-day and remote supervisors, including arrangements for induction and monitoring student progress and supervision; and

(iii) the arrangements for ensuring regular contact between supervisors and the student throughout the period of study.

When operating within the University of Strathclyde, the student shall be deemed to be a student of the University of Strathclyde and shall be bound by its regulations.

When a student’s approved scheme of research has been completed and a thesis submitted, the supervisor(s) shall sign a declaration that the candidate has complied with the regulations that relate to the award for which the student is a candidate.

Attendance, Performance and Progression

Every applicant admitted to a professional doctoral programme shall be required to attend regularly and to perform the required work, including attendance at taught classes or research training, to the satisfaction of the Department.

A student must achieve an approved standard of performance against defined criteria within twelve months of the start of study and at least annually thereafter. The assessment shall normally be carried out by a Research Panel appointed by the Head of Department.

Students have an obligation to inform the University Student Experience – Student Business at the first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.

A student who, in the opinion of the Head(s) of the Department(s) (or nominees(s)) does not satisfy the requirements as to attendance and to performance and having been informed in writing, may be required to withdraw. The names of such students shall be reported immediately to the relevant Board of Study.

Students for the degree of professional doctorate, will normally be expected to have satisfactorily completed 180 credits at Level 5 from the course curriculum before being permitted to proceed to the thesis.

Progression through the course is prescribed in the individual course regulations.
Submission of Theses
[The following regulations for Submission of Theses should be read in conjunction with Regulation 20.6]

20.2.20 When a thesis is submitted, it shall be accompanied by the declaration required by Regulation 20.2.10 and 20.2.13.

20.2.21 The thesis shall be written in English. Exceptionally, the relevant Board of Study may permit submission in a language other than English, in which case a translation of the abstract into English must accompany the thesis.

20.2.22 Unless permission is granted exceptionally by the relevant Board of Study and in advance of submission of the thesis, the main text of a thesis excluding appendices and annotations, should normally comprise no less than 50,000 and no more than 60,000 words.

Examinations

20.2.23 The candidate shall be examined by a thesis, any necessary coursework (as specified in Regulation 20.2.8) and by oral examination.

20.2.24 The examination of a candidate shall be undertaken by an Examining Committee nominated by the relevant Head of Department, endorsed by the relevant Board of Study and appointed by the Senate. The Examining Committee shall include at least one External Examiner and one Internal Examiner. The Head of Department will identify a member of University staff, who is not one of the Internal Examiners or supervisors, to convene the Committee and must attend the oral examination. After consultation with the candidate and the Examiners, the Convener may invite one supervisor to attend the oral examination in a non-examining capacity. Only in exceptional circumstances shall the student's supervisor be appointed an Internal Examiner and in such cases a second Internal Examiner shall be appointed.

20.2.25 The Examining Committee shall
(i) assess the thesis submitted by the candidate;
(ii) act as the Board of Examiners for the award of the credits for the taught classes or research training undertaken under the provisions of Regulation 20.2.8;
(iii) subject the candidate to the oral examination.

In all cases the examiners may subject the candidate to such additional examination, written or oral, as they deem necessary, and shall report to the appropriate Board of Study, which shall make recommendation to the Senate.

20.2.26 The Examining Committee may make the following recommendations to the relevant Board of Study and to the Senate:
(i) the candidate be awarded of the appropriate professional doctorate degree;
(ii) subject to minor corrections to the thesis being carried out satisfactorily, the degree be awarded;
(iii) re-submission of the thesis within a specified time limit when the Examining Committee will be reconvened to re-assess the thesis;
(iv) the candidate be transferred to a Master's degree provided they satisfy the appropriate progress and curricular requirements;
(v) the candidate be awarded the degree of MSc or the Postgraduate Diploma in the relevant area.
(vi) the award be withheld and the candidate be required to withdraw.
In the case of (ii) above, the candidate shall not normally be allowed to graduate until the amendments have been carried out to the satisfaction of the Internal Examiners.

Voluntary Suspension, Transfer of Registration or Withdrawal

20.2.27 On the recommendation of the Head of Department (or nominee), the relevant Vice Dean may permit a student to either undertake voluntary suspension for whole or part of a year or transfer between full-time and part-time study where available.

20.2.28 On the recommendation of the Head of the Department concerned, the relevant Board of Study, acting on behalf of the Senate, may approve transfer of a candidate’s registration from the degree of professional doctorate to that for the degree of Master of Philosophy or vice-versa.

20.2.29 A student for a professional doctorate degree may, after consultation with the Head of the Department concerned, be permitted to transfer registration to a Master's degree at any time before submission of the thesis, subject to the student satisfying the appropriate progress and curricular requirements.

20.2.30 Where the Board of Study concerned receives a report from the relevant Head of Department that the progress made by a candidate for the professional doctorate degree is unsatisfactory the relevant Board of Study, acting on behalf of the Senate, may decide that the student's registration be transferred to a Master's degree subject to the student satisfying the appropriate progress and curricular requirements.

20.2.31 Notwithstanding Regulation 20.2.6, the Senate, on the recommendation of the relevant Board of Study may approve an extension to the maximum period of study.

20.2.32 Notwithstanding the provisions of Regulations 20.1.28 to 20.1.30 inclusive, where the Board of Study concerned receives a report from the relevant Head of Department that the progress made by a candidate for the professional doctorate degree is unsatisfactory or where an Examining Committee reports that a candidate has failed to satisfy it, the Board of Study, acting on behalf of the Senate, may terminate the student's registration and require the student to withdraw.

20.2.33 Notwithstanding the provisions of Regulation 20.2.26, a student who is reported to the relevant Board of Study under Regulation 20.2.14 for persistent non-attendance, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw.

20.2.34 A student may be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulations 5.4 and 5.5.

Appeals against Transfer of Registration, and Withdrawal

20.2.35 Any student required to transfer registration under the provisions of Regulations 20.2.26, 20.2.28, 20.2.29 or 20.2.30 or to withdraw under the provisions of Regulations 20.2.32 or 20.2.33 may appeal to the relevant Board of Study for reconsideration of their case on any of the following grounds:

(i) 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

(ii) notwithstanding the student’s obligations under Regulation 20.2.16, 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

(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.

Any such appeal must be supported by appropriate documentary evidence and must be lodged in writing with the appropriate Faculty Officer not later than a date specified by the Board of Study and contained in the letter informing the candidate of the requirement to transfer registration or withdraw.

20.2.36 After an unsuccessful appeal to the relevant Board of Study, a student has the ultimate right of appeal to the Senate. Any such appeal shall be set out in writing supported by all appropriate documentary evidence and shall be lodged with the Deputy Secretary within a period of six weeks from the date of notification to the student of the outcome of the preceding appeal to the Board of Study. The student shall have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

Award

20.2.37 A candidate who satisfies the conditions of the Ordinances governing the award of degrees, diplomas and certificates and of the general regulations will, on payment of the required fees, be entitled to receive the appropriate award.

20.2.38 To qualify for the award, a candidate must have obtained passes in the curriculum as specified in the course regulations.

20.2.39 The candidate will receive a parchment setting forth the Department in which the award has been granted.

Staff Candidature

20.2.40 The Senate may admit as candidates for the Doctorate members of the academic and related staff of the University appointed under the provisions of Ordinance 4

Such candidates shall not be bound by the provisions governing minimum and maximum periods of study contained in Regulations 20.2.5 and 20.2.6 as long as they remain members of the academic and related staff of the University, normally subject to a maximum duration of 96 months.

Other members of the staff of the University or of an institution in special relationship with the University (see Regulation 20.6) may with the specific approval of the Senate be admitted as candidates for a Professional Doctorate degree under the provisions of this Regulation.

20.2.41 A thesis submitted for the degree of doctorate by a full-time member of the academic staff of the University appointed under the provisions of Ordinance 4, Section 2.1 may consist in whole or in part of work previously published by the candidate, provided the thesis is so composed as to present a connected record of research in a field of study.
20.3 General Regulations for Master of Philosophy Degrees

[These regulations are to be read in conjunction with Regulations 3, 4, 5, 6 and 20.5.]

Admission

20.3.1 Applicants must:
(i) possess a Master’s or an Integrated Master’s degree; or
(ii) possess at least a second class Honours degree from a United Kingdom University; or
(iii) possess other qualifications deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to be equivalent to (i) or (ii) above; or
(iv) be deemed, by the Head of Department (or nominees) acting on behalf of the Senate, to have achieved an academic standard equivalent to (i) or (ii) above.

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

20.3.3 Applicants who satisfy the provisions of Regulation 20.3.1 may, in addition, be required to have had a period of relevant experience.

Minimum Periods of Study

20.3.4 The minimum period of study for each student shall be confirmed by the relevant Vice Dean (or nominees) acting on behalf of the Senate. Only exceptionally will the following minimum periods of full-time study be reduced.

For full-time study 12 months

For part-time study
The minimum period of study shall be the learning equivalent of the full-time study period required taking account of the conditions under which the student will work. The actual study time will normally be greater than for full-time study.

A candidate’s thesis shall be submitted not earlier than two months before the candidate is due to complete the prescribed minimum period of study.

Maximum Periods of Study

20.3.5 Except with the permission of the Senate, a candidate’s thesis must be submitted within a prescribed period from the date of the candidate’s registration as follows:

For full-time study 24 months

For part-time study
The expected period of study must be reviewed annually by the Supervisors and confirmed annually at Registration.

Place of Study

20.3.6 Except where the 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 the Senate for the purpose
(see Regulation 20.6 and University Policy and Code of Practice for collaborative (off-campus and overseas) courses leading to awards or joint awards of the University and flexible and distributed learning (including e-learning)).

**Nature of Study**

20.3.7 All students shall be required to undertake researcher development skills training as approved by the relevant Head of Department on behalf of the Senate. The training shall include taught classes or research training with a minimum credit rating of 20 credits (and normally not more than 60 credits) as stipulated by the Head of Department (or nominees) and a thesis.

20.3.8 The thesis shall embody the results of the candidate’s work: this may be a record of original research or a critical review of existing knowledge or a combination of these two forms. The thesis shall be composed by the candidate, shall not have been previously submitted for examination leading to the award of a degree and shall be accompanied by a declaration to these effects signed by the candidate.

**Supervision of Research Students**

20.3.9 Each student who is undertaking studies entailing a scheme of research shall be supervised by at least two supervisors, at least one of whom shall be a member of academic or research staff on Teaching and Research Grade 8 (or above) who has been appointed under Ordinance 4.2. The Head of Department has responsibility for appointing appropriate supervisor(s). Where appropriate, the Head of Department may also appoint a work-based professional to act in the capacity of a mentor.

20.3.10 Where the Senate has approved an arrangement with another institution or agency for joint supervision of a student leading to an award or joint award of the University, the Head of Department (or nominee) shall provide the relevant Board of Study with written details of:

(i) the student’s registration (i.e. whether University of Strathclyde regulations will apply or those of the collaborating institution) and primary place of study; and

(ii) the name, duties and responsibilities of both the day-to-day and remote supervisors, including arrangements for induction and monitoring student progress and supervision; and

(iii) the arrangements for ensuring regular contact between supervisors and the student throughout the period of study.

When operating within the University of Strathclyde, the student shall be deemed to be a student of the University of Strathclyde and shall be bound by its regulations.

20.3.11 When a student’s approved scheme of research has been completed and a thesis submitted, the supervisor(s) shall sign a declaration that the candidate has complied with the regulations that relate to the award for which the student is a candidate.

**Attendance and Performance**

20.3.12 Every applicant admitted to a Master of Philosophy programme shall be required to attend regularly and to perform the required work, including attendance at taught classes or research training, to the satisfaction of the Department.
20.3.13 A student must achieve an approved standard of performance against defined criteria within twelve months of the start of study and at least annually thereafter. The assessment shall normally be carried out by a Research Panel appointed by the Head of Department.

20.3.14 Students have an obligation to inform the University Student Experience – Student Business at the first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.

20.3.15 A student who, in the opinion of the Head(s) of the Department(s) and the relevant Vice Dean, does not satisfy the requirements as to attendance and to performance and having been informed in writing, may be required to withdraw.

Submission of Theses

[The following regulations for Submission of Theses should be read in conjunction with Regulation 20.5]

20.3.16 When a thesis is submitted, it shall be accompanied by the declaration required by Regulations 20.3.8 and 20.3.11.

20.3.17 The thesis shall be written in English. Exceptionally, the relevant Board of Study may permit submission in a language other than English, in which case a translation of the abstract into English must accompany the thesis.

20.3.18 Unless permission is granted exceptionally by the relevant Board of Study and in advance of submission of the thesis, the main text of a thesis excluding appendices and annotations, is limited as follows:

Candidates for the degree of Master in the Faculty of Law, Arts and Social Sciences No more than 30,000 words
Candidates for all other degrees of Master No more than 50,000 words

Examinations

20.3.19 The candidate shall be examined by a thesis, researcher development skills training (as specified under Regulation 20.3.7) and, if required by the Examining Committee, by oral examination.

20.3.20 The examination of a candidate shall be undertaken by an Examining Committee nominated by the Head of Department, endorsed by the relevant Board of Study and appointed by the Senate. The Examining Committee shall comprise at least one External Examiner and an Internal Examiner. The Head of Department will identify a member of University staff, who is not one of the Internal Examiners or supervisors, to convene the Examining Committee and must attend any oral examination. After consultation with the candidate and the Examiners, the Convener may invite one supervisor to attend any oral examination in a non-examining capacity. Only in exceptional circumstances shall the student's supervisor be appointed an Internal Examiner and in such cases a second Internal Examiner shall be appointed.

20.3.21 The Examining Committee shall
(i) assess the thesis submitted by the candidate;
(ii) act as the Board of Examiners for the award of the credits for the researcher development skills training undertaken under the provisions of Regulation 20.3.7.

The candidate may be required to submit to oral examination by the Examining Committee.
20.3.22 The Examining Committee shall report to the appropriate Board of Study, which shall make recommendation to the Senate that
(i) the candidate be awarded the appropriate degree;
(ii) the award of the degree be withheld pending further study or resubmission of the thesis within a specified time limit when the Examining Committee will be reconvened to re-assess the thesis;
(iii) the candidate be transferred to an appropriate Doctoral degree;
(iv) the award be withheld and the candidate be required to withdraw.
In the case of (ii) above, the candidate shall not normally be allowed to graduate until the amendments have been carried out to the satisfaction of the examiners.

Voluntary Suspension, Transfer of Registration or Withdrawal

20.3.23 On the recommendation of the Head of Department (or nominee), the relevant Vice Dean may permit a student to either undertake voluntary suspension for whole or part of a year or transfer between full-time and part-time study where available.

20.3.24 After a student has passed a formal assessment against defined criteria, the Head of the Department concerned, may, through the relevant Board of Study, recommend to the Senate the transfer of a student’s registration to that for the degree of doctor provided the student satisfies the appropriate progress and curricular regulations. On the recommendation of the Board of Study, the Senate will determine what recognition shall be given to the period which the student has completed as a candidate for the degree of Master towards the fulfilment of the requirements for the appropriate doctoral degree.

20.3.25 Notwithstanding Regulation 20.3.20, a student who is reported to the relevant Board of Study under Regulations 20.3.12 or 20.3.14 if appropriate, for persistent non-attendance, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw.

20.3.26 A student may be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulations 5.4 and 5.5.

Appeals against the Decisions of the Examining Committee

20.3.27 A student may appeal against a decision made by the Board of Examiners under the provisions of Regulation 20.3.20 or a requirement to withdraw under the provisions of Regulation 20.3.22 or 20.3.25. Such an appeal must be made to the relevant Board of Study on any of the following grounds:
(i) 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
(ii) notwithstanding a student’s obligations under Regulation 20.3.13, 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
(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.
Any such appeal must be supported by appropriate documentary evidence and must be lodged in writing with the appropriate Faculty Officer not later than a date specified by the Board of Study and contained in the letter informing the student of the withdraw decision.

20.3.28 After an unsuccessful appeal to the relevant Board of Study, a student has the ultimate right of appeal to the Senate. Any such appeal shall be set out in writing supported by all appropriate documentary evidence and shall be lodged with the Deputy Secretary within a period of six weeks from the date of notification to the student of the outcome of the preceding appeal to the Board of Study. The student shall have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

Award

20.3.29 A candidate who satisfies the conditions of the Ordinances governing the award of degrees, diplomas and certificates and of the general regulations will, on payment of the required fees, be entitled to receive the appropriate award.
To qualify for the award, a candidate must have achieved no fewer than 20 credits of researcher development skills and have satisfied the examiners with regard to the thesis and, if required, the oral examination.
The candidate will receive a parchment setting forth the Department in which the award has been granted.

Staff Candidature

20.3.30 The Senate may admit as candidates for the degree of Master of Philosophy members of the academic and related staff of the University appointed under the provisions of Ordinance 4.
Such candidates shall not be bound by the provisions governing minimum and maximum periods of study contained in Regulations 20.3.4 and 20.3.5 as long as they remain members of the academic and related staff of the University, normally subject to a maximum duration of 60 months.
Other members of the staff of the University or of an institution in special relationship with the University (see Regulation 20.6) may with the specific approval of the Senate be admitted as candidates for the degree of Master of Philosophy under the provisions of this Regulation.

20.3.31 A thesis submitted for the degree of Master by a full-time member of the academic staff of the University appointed under the provisions of Ordinance 4, Section 2.1 may consist in whole or in part of work previously published by the candidate, provided the thesis is so composed as to present a connected record of research in a field of study.
20.4 General Regulations for Master of Research Degrees
[These regulations are to be read in conjunction with Regulations 3, 4, 5, 6 and 20.6.]

Admission
20.4.1 Applicants shall normally:
(i) possess a first or second class honours degree from a United Kingdom University; or
(ii) possess other qualifications deemed, by the Course Director (or nominee) acting on behalf of the Senate, to be equivalent to (i) above; or
(iii) be deemed, by the Course Director (or nominee) acting on behalf of the Senate, to have achieved an academic standard equivalent to (i) above.

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

20.4.3 Applicants who satisfy the provisions of Regulation 20.4.1 may, in addition, be required to have had a period of relevant experience.

Credit Transfer and Recognition of Prior Learning (RPL)
20.4.4 The relevant Course Director (or nominee) may admit applicants and/or approve exemption from part of a course by Credit Transfer or RPL provided this is done in accordance with University procedures and against criteria defined on a course by course basis.
Credit granted for Credit Transfer or RPL may only be used once and, when used to gain exemption, will normally relate to achievements within 5 years of registration on a University of Strathclyde programme.
Exemption granted on the basis of Credit Transfer or RPL will be allowed primarily where students can demonstrate that the relevant specific learning outcomes have been achieved (i.e. primarily for specific rather than general credit). The extent of any allowed exemption shall preferably not exceed 34% and normally not exceed 50% of the credits appropriate to the course. Exceptionally, up to 67% exemption for Credit Transfer may be allowed where a special articulation between a Strathclyde programme and a programme delivered elsewhere is approved by the Senate.
Where any such exemption is granted, the relevant Board of Study, acting on behalf of the Senate, may approve an appropriate reduction in the minimum period of study.

Minimum Periods of Study
20.4.5 The minimum period of study shall normally be as follows:

For full-time study
12 months

For part-time study
The minimum period of study shall be the learning equivalent of the full-time study period required taking account of the conditions under which the student will work. The overall duration of study will normally be greater than for full-time study.
Maximum Periods of Study

20.4.6 Unless specifically stated otherwise in the relevant course regulations, students shall be required to complete their course including the submission of any dissertation or report or design or project within a prescribed period from the date of the student's registration as follows:

For full-time study  24 months
For part-time study  48 months
elapsed time

Exceptionally, the maximum period of study may be extended by the Senate on the recommendation of the relevant Board of Study.

Mode of Study

20.4.7 Courses may be offered on a full-time and/or part-time basis. At the discretion of the relevant Board of Study on the recommendation of the relevant Course Director (or nominee), a student may transfer from full-time to part-time study or vice-versa where an appropriate course is available, at which time the relevant minimum and maximum periods of study will be reviewed.

Place of Study

20.4.8 Except where the 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 the Senate for the purpose (see Regulation 20.6 and University Policy and Code of Practice for collaborative (off-campus and overseas) courses leading to awards or joint awards of the University and flexible and distributed learning (including e-learning)).

Course Structure and Curriculum

20.4.9 All courses shall be modular and credit rated in accordance with the University Awards Framework in Regulation 20.4.10. Individual classes shall be assigned a level based on expected learning outcomes and a credit rating based on the volume of learning required.

20.4.10 The structure of courses shall normally embody 180 credits including a minimum of 150 credits at Level 5. These shall include a dissertation or report or a design or project amounting to not less than 120 credits. (Note: For a typical student one credit equates to approximately 10 hours of total student effort).

20.4.11 Each candidate for an award must follow the curriculum as prescribed in the relevant course regulations. This shall be set out in the course regulations and shall indicate which classes are compulsory or optional. The Senate on the recommendation of the relevant Board of Study may amend these from time to time.

20.4.12 The curriculum of every student must be approved in advance by the relevant Course Director or equivalent acting on behalf of the Board of Study. Where a pass in a particular class is a necessary condition for progress or for an award, this shall be clearly stated in the relevant course regulations. The choice of classes 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 classes passed.
The University cannot guarantee that all optional classes will be available in any given academic year.

20.4.13 Course delivery, materials, assessed work and oral examination shall be in English unless stated otherwise in individual course regulations and published in the Course Handbook.

**Dissertation, Report, Design or Project**

20.4.14 The dissertation or report or the design or project shall be of a length and standard approved by the relevant Board of Study and shall normally be submitted by a date approved by the Board of Study and published in the appropriate Course Handbook.

20.4.15 Any dissertation or report or design or project submitted under the provisions of Regulation 20.4.14 shall be written in English. Exceptionally, a Board of Study may permit submission in a language other than English in which case a translation of the abstract as a minimum into English must accompany the dissertation or report or design or project.

**Attendance and Performance**

20.4.16 Every applicant admitted to a course of study shall be required to attend regularly and to perform satisfactorily the work of each class in their curriculum.

A student who, in the opinion of the Head(s) of the Department(s) (or nominee(s)) offering a class and the relevant Vice Dean, does not satisfy the requirements as to attendance and to performance and having been informed in writing, shall not be entitled to take the examination in the subject of that class and shall be so informed. A student may subsequently be permitted by the Course Director (or nominee) to take the examination in the subject of the class at the next available opportunity subject to satisfactory completion of appropriate course work.

20.4.17 Students have an obligation to inform the University Student Experience – Student Business at the first reasonable opportunity of any medical or other circumstances which might adversely affect their attendance, performance and/or ability to study.

**Examinations and Assessment**

20.4.18 The Board of Examiners shall consist of not less than two members of academic staff responsible for the conduct of the course and one External Examiner. The Course Director, following consultation with the Head of Department, will identify a member of University staff to convene the Board of Examiners.

20.4.19 Students shall normally complete the assessments during the academic year in which the classes were undertaken unless permitted by the relevant Board of Study to postpone the assessment.

20.4.20 Taught classes shall be assessed by

(i) coursework assignments; or
(ii) written examinations; or
(iii) oral examinations; or
(iv) any combination of the above

unless specified otherwise in the relevant Course Handbook.

Except where a course includes an integrative/reflective class that will draw on work in other classes, each item of work may only be assessed in one class.
The Board of Examiners may exceptionally permit alternative forms of assessment or re-assessment for a taught class where they consider it to be in a student’s interest. At the discretion of the Board of Examiners or Course Director (or nominee) and, where appropriate, in conjunction with the External Examiner, a student may be required to attend and participate in an oral examination.

The examination of a dissertation shall normally be undertaken by an Examining Committee comprising no fewer than one Internal and one External Examiner nominated by the Head of Department, endorsed by the relevant Board of Study and appointed by the Senate.

20.4.21 Candidates are required to pass written and oral examinations and to perform to the satisfaction of the Board of Examiners in the course work, and the Examining Committee in the dissertation or report or design or project.

20.4.22 A student who is deemed to have failed a taught class or who has been debarred in terms of Regulation 20.4.16 shall normally have one further opportunity to be re-assessed on a similar basis or by such other means as the Department(s) offering the class may decide. The nature of re-assessment shall be identified in class descriptors and/or Course Handbooks. The attempt shall normally be made at the next available diet of examinations.

20.4.23 In the case of re-assessment, the Board of Examiners may also require the student to re-attend the class.

20.4.24 The Board of Examiners may discount an attempt for a taught class where appropriate medical or other evidence has been provided subject to report to the relevant Board of Study.

20.4.25 Notwithstanding the provisions of Regulation 20.4.22, a candidate will be permitted to revise and re-submit their dissertation or report or design or project, in whole or in part, where there are medical, personal or other circumstances which have adversely affected their performance. In these circumstances, permission may be granted by the Board of Examiners concerned, subject to a report of any cases to the relevant Board of Study.

Award of Credits

20.4.26 A student who satisfies the Board of Examiners for a given class will be awarded the number of credits for that class.

Progress of Students

20.4.27 At all stages of the course, a student must achieve an approved standard of performance with regard to level of study and academic attainment.

20.4.28 Subject to prior approval of the Senate, Boards of Study may permit a Board of Examiners to apply compensation procedures according to prescribed criteria. In such cases, the criteria shall be detailed in the Course Handbooks.

20.4.29 The Board of Examiners shall report to the relevant Board of Study which, acting on behalf of the Senate, shall ratify one of the following decisions:

- (i) award of the appropriate degree;
- (ii) withhold the award of the degree or other qualification pending further study or submission/resubmission of assignments, dissertation or report or design or project;
- (iii) transfer the student’s registration;
- (iv) require the student to withdraw.
Suspension, Transfer of Registration or Withdrawal

20.4.30 On the recommendation of the Head of Department (or nominee), the relevant Vice Dean may permit a student to either undertake voluntary suspension for whole or part of an academic year or transfer between full-time and part-time study where available or transfer to a related postgraduate course by instruction where available.

20.4.31 Where a student has failed to satisfy the Board of Examiners, the relevant Board of Study, acting on behalf of the Senate and in accordance with the recommendation of the Board of Examiners, may
(i) place the student in suspension; or
(ii) offer the student the opportunity to transfer to a related Postgraduate Diploma or Postgraduate Certificate course by instruction (as appropriate), subject to a related course being available; or
(iii) require the student to withdraw.

20.4.32 Notwithstanding Regulation 20.4.29, a student who is reported to the relevant Board of Study under Regulation 20.4.16 for persistent non-attendance at classes, in accordance with published Faculty procedures, may have their registration terminated and be required to withdraw from the course.

20.4.33 A student may be required to withdraw from a course as a consequence of academic dishonesty or unprofessional conduct. Such a decision would be taken in consequence of a disciplinary hearing as provided for in Regulations 5.4 and 5.5.

Appeals against Suspension, Transfer of Registration or Withdrawal

20.4.34 A student who has received an adverse decision in terms of Regulation 20.4.31 or 20.4.32 may appeal to the relevant Board of Study for reconsideration of the case.

20.4.35 The grounds for appeals under Regulation 20.4.34 may be any of the following:
(i) 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
(ii) notwithstanding the student’s obligations under Regulation 20.4.17, 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
(iii) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.

Such an appeal shall be lodged in writing with the relevant Faculty Officer 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. The appeal shall be supported by appropriate documentary evidence not previously available.

20.4.36 After an unsuccessful appeal to the relevant Board of Study, a student has the ultimate right of appeal to the Senate. Such an appeal shall be lodged in writing supported by all appropriate documentary evidence and shall be lodged with the Deputy Secretary within a period of six weeks from the date of notification to the student of the outcome of the preceding appeal to the
Board of Study. The student will have a right of appearance, either alone or accompanied by one person, at the hearing of the appeal to the Senate.

**Award**

20.4.37 In order to qualify for a University of Strathclyde award, a student who has been granted exemption from part of a University of Strathclyde course through Credit Transfer or RPL (in accord with Regulation 20.4.3) must gain from the University of Strathclyde course curriculum a minimum of one-third of the credits required for that award.

20.4.38 A candidate who satisfies the conditions of the Ordinances governing the award of degrees, diplomas and certificates and of the general and course regulations will, on payment of the required fees, be entitled to receive the appropriate award. To qualify for the award, a candidate must have obtained passes in classes at all levels of the curriculum as specified in the course regulations. The candidate will receive a parchment setting forth the Department in which the award has been granted.
20.5 Regulations for the Degree of Doctor of Science and the Degree of Doctor of Letters

20.5.1 The degree of Doctor of Science (DSc) or Doctor of Letters (DLitt) may be conferred by the University upon the conditions hereinafter mentioned. The following may be admitted as a candidate for the degree of Doctor of Science or Doctor of Letters:

20.5.2 A graduate of the University of Strathclyde of not less than five years' standing.

20.5.3 A graduate of not less than six years' standing of an approved university, or a person who has held for not less than six years some other qualification specially recognised by the Senate as equivalent for this purpose, provided that they have held for a period or periods totalling at least three years such office or offices in the University of Strathclyde or in an institution in association with the University as the Senate may approve.

20.5.4 In order to qualify for the award of the degree of Doctor of Science or Doctor of Letters a candidate must have made an original and distinguished contribution to learning.

20.5.5 Every candidate for the degree of Doctor of Science or Doctor of Letters shall be required to submit (in a form prescribed by the Senate) three sets of the published works which they wish to submit for examination together with any additional unpublished work, three copies of a summary of not more than 1000 words outlining the contents thereof and three copies of a list of all works published by the candidate whether included in the submission or not. A candidate may submit work for which they have been jointly responsible provided that such work is accompanied by a signed statement clearly defining the extent of the candidate's contribution to such work. A candidate who has previously submitted the material or any part of it for examination for a degree, including a Higher Doctorate, of the University or of any other institution must declare this on their submission form. A candidate should not submit material which they have presented for a lower degree unless they consider that its omission would result in an inadequate representation of their research.

20.5.6 Two sets of the material submitted shall remain the property of the University unless the submission is unsuccessful when only a copy of the summary and a record of the items submitted will be retained. One set of the material successfully submitted shall be deposited in the University Library.

20.5.7 The work shall be examined by not less than three examiners, at least two of whom shall be External Examiners. If the candidate is a member of staff of the University of Strathclyde, all the examiners shall be external. These examiners shall be appointed by the Senate and shall be required to submit to the Senate individual confidential judgements of the candidate's work.

20.5.8 No person will be accepted as a candidate more than twice and no candidate may apply for re-examination until five years have elapsed from the original date of submission.

20.5.9 Nothing in these regulations shall be held to restrict or govern the conferment of the degrees as honorary degrees according to the terms of Ordinances by which the conferment of the degree of Doctor of Science and of the degree of Doctor of Letters as honorary degrees is now or may hereafter be regulated.
20.6 **Format and Submission of Theses**

[These regulations are to be read in conjunction with Regulations 3 and Regulations 20.1 – 20.5.]

**Regulations for Format**
The regulations relating to the format of theses, dissertations, designs or reports submitted in pursuance of higher degrees by research and scholarship in accordance with Regulations 20.1 – 20.5 are given below; it should be noted that they are specific in relation to two copies only and that the candidate may make whatever arrangements he/she wishes for additional copies. Examples of the required format, method of production and binding of these may be seen on application at the Enquiry Desk of the Andersonian Library where details of firms that undertake binding may also be obtained. Enquiries regarding the format of theses should be made at the Enquiry Desk.

**Number of Copies**

20.6.1 A candidate is required to submit one bound copy and one digital copy.

**Materials Specification**

20.6.2 The materials used for the print copy shall be of high quality and conform, whenever possible, to the appropriate British or International standard. The digital copy should be a single electronic file and shall be a facsimile of the print version.

**Specification**
The print copy shall be on good quality paper of International size A4 (210mm x 297mm). The electronic file of the digital copy shall be in PDF format.

**Method of Production**

20.6.3 The text (including the summary) shall be in printed form and of such a quality as will ensure a high standard of reproduction. All other material submitted (e.g. computer print-outs, diagrams, and maps) shall be of concomitant quality.

**Abstract**

20.6.4 The thesis, dissertation, design or report shall include an abstract of the contents, not exceeding three hundred words in length, which shall be bound in at the beginning of the general text.

**Title Page**

20.6.5 The thesis, dissertation, design or report shall contain a title page or equivalent designator giving the name of the University Department or group of Departments, the title of the thesis, the name of the author, the degree and the year of submission of the thesis. Each separate component of the thesis shall contain such a title page or equivalent designator.

**Declaration of Authenticity and Author's Rights**

20.6.6 The thesis, dissertation, design or report shall include, on the page immediately subsequent to the title-page, the following declarations of authenticity and author's rights:
‘This thesis is the result of the author’s original research. It has been composed by the author and has not been previously submitted for examination which has led to the award of a degree.’

‘The copyright of this thesis belongs to the author under the terms of the United Kingdom Copyright Acts as qualified by University of Strathclyde Regulation 3.50. Due acknowledgement must always be made of the use of any material contained in, or derived from, this thesis.’

Signed:     Date:

Previously Published Work

20.6.7 A candidate who submits a thesis consisting in whole or in part of previously published work for which they have been responsible must submit with their thesis a signed statement clearly defining the extent of their contribution to such work.

Previously Submitted Material

20.6.8 A candidate should not submit material which they have presented for another degree unless they consider that its omission would result in an inadequate representation of their research. A candidate who has previously submitted the material, or any part of it, for examination for a degree of the University or of another institution must declare this in writing when submitting their thesis. In this case the declaration required by Regulation 20.6.6 should read

‘This thesis is the result of the author’s original research. It has been composed by the author and contains material that has been previously submitted for examination leading to the award of a degree at (institution) in (year).’

Signed:     Date:

Length

20.6.9 The length of the thesis shall be as set out in Regulations 20.1 – 20.5.

Language

20.6.10 The thesis shall be written in English. Exceptionally, the relevant Board of Study may permit submission in a language other than English, in which case a translation of the abstract into English must accompany the thesis.

Layout

20.6.11 The text shall appear on the recto side of the page only, lines double or one and-a-half spaced. There shall be a margin (before trimming) of 40mm at the left-hand (binding) edge, 25mm at the fore edge, of 20 mm at the head of the page and of 40mm at the tail. Illustrations, diagrams, tables, etc, may appear on either side of the page, whether or not the other side is blank, provided that legibility is not impaired. The margin should conform as far as possible to that specified above for text pages; in any event, there must be an adequate binding edge margin.
Pagination
20.6.12 Text pages shall be numbered in continuous sequence irrespective of volumes. Preliminary material (e.g. contents pages and abstract) and appendices may be given separate pagination. Pages on the verso side, if they bear authorised material, shall be numbered according to the facing page with the affix A.

Covers and binding
20.6.13 The covers shall be board covered in black buckram. Both copies shall be sewn, preferably on tapes.

Lettering
20.6.14 The lettering on all copies shall be in gold. On the front board shall appear the title, in 24-point capitals, and the author's name, in 18-point capitals. On the spine shall appear in 14-point capitals the author's surname, followed by the author's initials, the degree for which the thesis was submitted, and the year of submission. 14-point lower case letters shall be used in the name of the degree, as appropriate. The direction of the lettering shall run from the base of the spine.

Regulations for Submission of Theses
Submission
20.6.15 A candidate for a higher degree by research (other than the degree of DSc or DLitt) who is required under the provisions of Regulations 20.1 – 20.4 to submit a thesis, dissertation, design or report shall submit two copies of any such work, which shall thereupon become the property of the University. In the first instance two soft bound copies of the thesis must be handed in to the Student Experience – Student Business with a completed submission form.
Prior to any award being made, the candidate must submit a hard bound copy to the Student Experience – Student Business and a digital copy must be made available to the University of Strathclyde Institutional Repository.

Supplementary Material
20.6.16 A thesis may be accompanied by supplementary material of a non-print form. Such material, where possible, shall accord with University guidelines (available from the Student Experience – Student Business). Copies of the supplementary material shall be submitted with both the print and the digital copies of the thesis. The supplementary material to the printed copy may be submitted in a separate portfolio. The portfolio shall conform to the Regulations governing the size, binding and external appearance of theses.

Property Rights
20.6.17 The copies of the thesis in either digital or print format and any supplementary material in either digital or print format shall become the property of the University.

Consultation
20.6.18 See the regulations governing University of Strathclyde Theses in the Library Regulations [Regulation 3].
**Moratorium**

20.6.19 At the request of the author of the thesis or the supervisor and notwithstanding Regulations 20.1 – 20.5, a moratorium may be imposed by the appropriate Head of Department preventing the consultation, loan and reproduction of the thesis and any supplementary material for a maximum period of two years from the date of the award in respect of which the thesis was submitted. In exceptional circumstances, the period of moratorium may subsequently be extended for a further maximum period of up to three years by the Quality Assurance Committee.
20.7 Institutions in Special Relationship with the University
[Note: The Regulations for Higher Degrees refer in a number of places to institutions in special relationship with the University. The Senate has adopted the following definition of this term.]

20.7.1 A research institution or industrial organisation may be accepted as being in special relationship with the University where the Senate is satisfied that it has outstanding research potentiality and where there would be substantial material benefit in the relationship.

20.7.2 It is an essential prerequisite that the institution seeking special relationship shall have on its staff Visiting Professors of the University.

20.7.3 The status of special relationship will be conferred by the Senate and the Court acting jointly.

20.8 to 20.14 (Numbers not used)
20.15 Department of Mathematics and Statistics

Mathematical Sciences

MRes in Mathematical Sciences

Course Regulations
[These regulations are to be read in conjunction with Regulations 20.4]

Admission
20.15.1 Regulation 20.4.1 shall apply subject to the following requirements. Applicants shall possess
(i) a first or second class Honours degree from a United Kingdom university (in Mathematics or a closely related subject ); or
(ii) a qualification deemed by the Course 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
20.15.2 Regulations 20.4.5 and 20.4.6 shall apply.

Mode of Study
20.15.3 The course is available by full-time and part-time study.

Curriculum
20.15.4 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM 551 MRes Research Project</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>

Optional Classes*
No fewer than 60 credits chosen from

<table>
<thead>
<tr>
<th>Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM 552 Applied Analysis and PDEs 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 553 Applied Analysis and PDEs 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 554 Applied Mathematics Methods 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 555 Applied Mathematics Methods 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 556 Mathematical Models 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 557 Mathematical Models 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 558 Pure Analysis 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 559 Pure Analysis 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 560 Statistics 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 561 Statistics 2</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 562 Probability 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>MM 563 Probability 2</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

* Such other Level 5 classes chosen from Regulations 16.15.8 as may be approved by the Course Director.

Examination, Progress and Final Assessment
20.15.5 Regulations 20.4.21 and 20.4.27 shall apply.
20.15.6 The final assessment will be based on performance in the written examinations, the coursework, the Research Skills Training, Project and, if required, in an oral examination.

**Award**

20.15.7 **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 Research Project.

**Transfer**

20.15.8 A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Mathematical Sciences may be transferred to the Postgraduate Diploma or the Postgraduate Certificate in Mathematical Sciences provided the appropriate performance in taught elements.

20.16 to 20.17 (Numbers not used)
20.17 Department of Physics

Physics

MRes in Physics
MRes in Physics (in specific research area)

Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.4]

Admission
20.17.1 Regulation 20.4.1 shall apply subject to the following requirements.
Applicants shall possess
(i) a first or second class Honours degree from a United Kingdom university (in Physics or a closely related subject); or
(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study
20.17.2 Regulations 20.4.5 and 20.4.6 shall apply.

Mode of Study
20.17.3 The course is available by full-time and part-time study.

Curriculum
20.17.4 Students will follow a specialisation that relates to the research interests of the Department.

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 classes.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 950</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>PH 970</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>

Optional Classes
All students shall take classes amounting to 40 credits chosen from Regulations 12.17.11 and 19.17.54

Examination, Progress and Final Assessment
20.17.5 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.
20.17.6 The final assessment will be based on performance in the examinations, coursework, the Project and, if required, in an oral examination.

Award
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.

Transfer

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.

Applications of Next Generation Accelerators

PhD in Applications of Next Generation Accelerators

[These regulations are to be read in conjunction with Regulation 20 and 20.1]

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 classes offered by the external partners have been through the appropriate QAA processes.

Admission
20.18.1 Regulations 20.1.1 and 20.1.2 shall apply.

Duration of Study
20.18.2 Regulations 20.1.5 and 20.1.6 shall apply.

Mode of Study
20.18.3 The course is available by full-time study only.

Place of Study
20.18.4 Students will spend approximately 90% of their time undertaking a well-defined research project and 10% of their time undertaking a placement in either an industrial or clinical environment.

Curriculum
20.18.5 All students shall undertake research projects together with the following:

First Year
20.18.6 All students shall undertake an approved curriculum of at least 180 comprising classes offered by Strathclyde and the partner institutions as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 9xa Group Project</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>PH 9xb Individual Project</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>PH 9xc Accelerators</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

Offered by Huddersfield, Queen’s University Belfast and Surrey
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 Classes
No fewer than 15 credits chosen from the classes listed in Regulation 20.xx.9

Second Year
20.18.7 All students shall commence their doctoral research project and undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 9xd Project 3</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

Third and Fourth Years
20.18.8 All students shall continue a doctoral research project.

Classes offered by members of the Centre for Doctoral Training
20.18.9 Strathclyde

420
In order to proceed to the second year of the course, a student must have performed at the appropriate standard and achieved at least 180 credits from the course curriculum.

In order to proceed to the third year of the course, a student must normally have accumulated at least 195 credits from the course curriculum. A student must also satisfy the Centre for Doctoral Training Management Executive Committee that satisfactory progress is being made on the research project.

In order to proceed to the fourth year of the course, a student must satisfy the Centre for Doctoral Training Management Executive Committee that satisfactory progress is being made on the research project.

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 from the course curriculum
(ii) submitted a suitable thesis
and
(iii) performed satisfactorily in an oral examination.

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 course curriculum
(ii) submitted a suitable thesis and if necessary, performed satisfactorily in an oral examination.

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.
Biomedical Sciences

MRes in Biochemistry
MRes in Immunology
MRes in Microbiology
MRes in In Vivo Sciences
MRes in Neuroscience
MRes Parasitology
MRes in Pharmacology

Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.4]

Admission
20.22.1 Regulation 20.4.1 shall apply.

Duration of Study
20.22.2 Regulations 20.4.5 shall apply.

Notwithstanding regulation 20.4.6 the maximum period of study shall be as follows;
For full-time study
Masters by full-time study 16 months
For part-time study
Masters by part-time study 36 months elapsed time

Nature of Study
20.22.3 The course is available by full-time and part-time study.

Curriculum
20.22.4 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 931 Generic Biomedical and Pharmaceutical Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Z1 931 Entrepreneurship, Innovation and Commercialisation</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes*
No fewer than 150 credits including 120 from List A and no fewer than 10 from each of Lists B and C.

List A
| MP 961 Biochemistry Project and Thesis | 5     | 120     |
| MP 962 Immunology Project and Thesis  | 5     | 120     |
| BM 915 In vivo Project and Thesis     | 5     | 120     |
| MP 963 Microbiology Project and Thesis | 5     | 120     |
| MP 964 Molecular Biology Project and Thesis | 5     | 120     |
| BM 916 Neuroscience Project and Thesis | 5     | 120     |
| MP 965 Parasitology Project and Thesis | 5     | 120     |
To qualify for the award of the degree of MRes the student must normally undertake the following classes:

**Biochemistry:** MP941, MP951 and MP961

**Immunology:** MP944, MP953 and MP962

**In vivo Sciences** BM 915, MP 968, BM 901

**Microbiology:** MP945, MP954 and MP963

**Molecular Biology:** MP946, MP955 and MP964

**Neuroscience:** BM916, BM902 and an appropriate techniques class from option list B

**Parasitology:** MP956, MP965 and an appropriate techniques class from option list B

**Pharmacology:** MP947, MP957 and MP966

**Examination, Progress and Final Assessment**

20.22.5 Candidates are required to perform to the satisfaction of the examiners in the coursework and in the Project and Thesis.

20.22.6 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**

20.22.7 **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**
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.

**Pharmaceutical Sciences**

**MRes in Drug Delivery Systems**

**MRes in Drug Discovery**

**MRes in Toxicology**

**Course Regulations**

[These regulations are to be read in conjunction with Regulations 20 and 20.4]

**Admission**

20.22.11 Regulation 20.4.1 shall apply

**Duration of Study**

20.22.12 Regulations 20.4.5 shall apply.

Notwithstanding regulation 20.4.6 the maximum period of study shall be as follows:

*For full-time study*

MRes by full-time study 16 months

*For part-time study*

MRes by part-time study 36 months elapsed time

**Nature of Study**

20.22.13 The course is available by full-time and part-time study.

**Curriculum**

20.22.14 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 931 Generic Biomedical and Pharmaceutical Research Skills</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Z1 931 Entrepreneurship, Innovation and Commercialisation</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes*

No fewer than 150 credits including 120 from List A and at least 10 from each of Lists B and C.

<table>
<thead>
<tr>
<th>List A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 903 Drug Delivery Project and Thesis</td>
<td>5</td>
</tr>
<tr>
<td>MP982 Drug Discovery Project and Thesis</td>
<td>5</td>
</tr>
<tr>
<td>MP 967 Pharmaceutical Materials and Formulation Project and Thesis</td>
<td>5</td>
</tr>
<tr>
<td>MP 935 Toxicology Project and Thesis</td>
<td>5</td>
</tr>
</tbody>
</table>

List B
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:** MP9ea, MP977 and MP976

**Examination, Progress and Final Assessment**

20.22.15 Candidates are required to perform to the satisfaction of the examiners in the course work and in the Project and Thesis.

20.22.16 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**

20.22.17 **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**

20.22.18 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.
Clinical Pharmacy

MRes in Clinical Pharmacy

Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.4]

Admission
20.22.19 Regulation 20.4.1 shall apply subject to the following requirements.
Applicants shall possess
(i) a degree in pharmacy from a United Kingdom university or
(ii) a qualification deemed by the Head of Department acting on behalf of
Senate to be equivalent to (i) above.
In all cases, applicants whose first language is not English, shall be required
to demonstrate an appropriate level of English.

Duration of Study
20.22.20 Regulations 20.4.5 and 20.4.6 shall apply.

Nature of Study
20.22.21 The course is available by full-time and part-time study. The course consists
of training in research methods and includes a substantial research project
and training in transferable research skills.

Curriculum
20.22.22 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 922</td>
<td>5</td>
<td>120</td>
</tr>
<tr>
<td>MP 923</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 924</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>MP 925</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Such other Level 5 classes as may be approved by the Course Director.

Students who have appropriate experience or training on entry to the
programme may be considered for the award of the credits for the classes
MP 923 Clinical Induction and/or MP 924 Clinical Assignment 1 as
Recognised Prior Learning.

Examination, Progress and Final Assessment
20.22.23 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.
20.22.24 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
20.22.25 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 MP 925 *Health Service Skills* and MP 922 *Research Project*.

**Transfer**

20.22.26  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.

20.22.27 to 20.22.30  (Numbers not used)

**Pharmacy**

**Doctor of Pharmacy**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 20 and 20.2]

**Admission**

20.22.31  Regulation 20.2.1 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**

20.22.32  Notwithstanding Regulation 20.2.4, 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 course.

**Mode of Study**

20.22.33  The course is available by full-time and part-time study.

**Place of Study**

20.22.34  The doctoral research project may take place within Strathclyde or at the place of employment approved by the Board of Study.

**Curriculum**

**First Year**

20.22.35  All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 932 Clinical Skills</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>MP 933 Research Skills</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>MP 934 Literature Review</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

**Second, Third and Fourth Years**

20.22.36  All students shall undertake a doctoral research project.

**Examination, Progress and Final Assessment**
20.22.37 Candidates are required to pass classes and to perform to the satisfaction of the Board of Examiners in the taught component of the course.

20.22.38 Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es) 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.

20.22.39 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 Regulation 20.2.10

**Award**

20.22.40 **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**

20.22.41 A candidate who fails to satisfy the requirements for the award of the DPharm may be transferred to the MRes in Clinical Pharmacy.

20.23 to 20.39 (Numbers not used)
Faculties of Science and Engineering: Joint Courses

Photonics

Doctor of Engineering in Applied Photonics
Doctor of Engineering in Photonics

This course 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.

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 four universities. Students shall be subject to the Course Regulations that have been adopted by all four Universities and to any other General Regulations, etc., of the University at which they are registered.

For the current academic year, the administering university is Heriot-Watt University and full details of Course Regulations applicable are shown in that University’s Calendar.

System Level Integration

Doctor of Engineering in System Level Integration

[The General Regulations for Higher Degrees (Regulations 20 and 20.1) of the University of Strathclyde shall not apply, except with the agreement of the University of Glasgow.]

This course is offered jointly by the University of Strathclyde, the University of Edinburgh, the University of Glasgow and Heriot-Watt University and the awards are made in the name of all four universities. The Regulations are drawn up consequent upon a Memorandum of Co-operation which has been approved by Senate.

The taught component of the programmes may be delivered at university campuses, at the Institute of System Level Integration’s premises at Livingston or at independent work sites but all classes are taught by staff from the four universities. Students shall be subject to the Course Regulations that have been adopted by all four Universities and to any other General Regulations, etc. of the University at which they are studying.

For the current academic year, the administering University is the University of Glasgow and full details of Course Regulations applicable are shown in that University’s Calendar.
Faculty of Engineering

20.40  Faculty Courses

Engineering

MRes in Engineering

Course Regulations
[These regulations are to be read in conjunction with Regulation 20.4]

Admission
20.40.1 Notwithstanding Regulation 20.4.1, applicants shall possess
(i) a first or second class Honours degree from a United Kingdom university (in Engineering, a Physical Science or a closely related subject); or
(ii) a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or
(iii) 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 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
20.40.2 Regulation 20.4.5 and 20.4.6 shall apply.

Mode of Study
20.40.3 The course is available by full-time and part-time study.

Curriculum
20.40.4 All students shall undertake an approved curriculum as follows:

Compulsory Classes:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 931</td>
<td>Research Protocols for Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 925</td>
<td>Research Project</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>

and either

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 933</td>
<td>Engineering Risk Management</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
</tr>
</tbody>
</table>


Optional Classes
No fewer than 40 credits chosen from Level 5 classes offered by the Faculty of Engineering, as approved by the Director of Studies.

Examination, Progress and Final Assessment
20.40.5 Regulation 20.4.21 shall apply.
20.40.6 Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the course before being permitted to proceed to the Dissertation.
The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

**Award**

**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.

**Transfer**

A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Engineering may be transferred to the Postgraduate Certificate in Engineering.

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**Nuclear Engineering**

**Doctor of Engineering (EngD) in Nuclear Engineering**

[These regulations are to be read in conjunction with Regulations 20 and 20.1]

_This degree is part of a collaborative 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**

20.40.26 Regulations 20.1.1 and 20.1.2 shall apply.

**Duration of Study**

20.40.27 Regulations 20.1.5 and 20.1.6 shall apply.

**Mode of Study**

20.40.28 The course is available by full-time study only.

**Place of Study**

20.40.29 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 course and will be undertaken mainly in the industrial partners’ premises.

Students may also be required to attend the University of Manchester to undertake classes delivered in a “short course” format from the portfolio of MSc/MBA courses offered by the Manchester Business School, and by the Nuclear Technology Education Consortium (NTEC) MSc in Nuclear Science and Technology.
Curriculum

20.40.30 All students shall undertake research project(s) together with the following:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 953 External Study 1 (Management)</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

(The class EE 953 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

20.40.31 All students shall undertake an approved curriculum as follows:

Compulsory Classes
4 classes chosen from the curriculum of the Manchester University Diploma in Management. (See regulation 20.46.9)

together with Technical Classes as follows:
Either
EE 954 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 classes offered by the Department of Electronic and Electrical Engineering and listed in Regulation 19.46.

*The class EE 954 External Study 2 comprises 2 classes chosen from the list in Regulation 20.46.10.

Second Year

20.40.32 All students shall undertake an approved curriculum as follows:

Compulsory Classes
4 classes chosen from the list in Regulation 20.46.9

together with Technical Classes as follows:
Either
EE 955 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 classes offered by the Department of Electronic and Electrical Engineering and listed in Regulation 19.46.

* The class EE 955 External Study 3 comprises 1 class chosen from the list in Regulation 20.46.10.

Third and Fourth Years

20.40.33 All students shall undertake a doctoral research project.

Management Classes offered by the University of Manchester
The following classes 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

Technical Classes offered by the Nuclear Technology Education Consortium

The following technical classes 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

In order to proceed to the second year of the course, a student must normally have accumulated 30 credits from the technical classes in the course curriculum, passed four classes 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).

In order to proceed to the third year of the course, a student must normally have accumulated at least 45 credits from the technical classes in the course 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).
20.40.38 In order to proceed to the fourth year of the course, a student must satisfy the research topic supervisory team that satisfactory progress is being made on the research project(s).

Award

20.40.39 **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:

(i) accumulated at least 45 credits from the technical classes and 15 credits from *EE 953 External Study 1* in the course curriculum;
(ii) successfully completed the Diploma in Management Science from University of Manchester Business School;
(iii) submitted a piece of satisfactory original research in the form of a portfolio as specified in Regulation 20.1;
(iv) performed satisfactorily in an oral examination.

20.40.40 to 20.40.99 (Numbers not used)

20.40.120 **Sensors and Imaging Systems**

**Doctor of Engineering in Sensors and Imaging Systems**

This course 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.

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 four Universities. Students shall be subject to the Course Regulations that have been adopted by all four Universities and to any other General Regulations, etc., of the University at which they are registered.

For the current academic year, the administering university is Glasgow University and full details of Course Regulations applicable are shown in that University’s Calendar.
20.41 Department of Architecture

Building Design and Management for Sustainability

Master of Research in Building Design and Management for Sustainability

Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.4]

Admission
20.41.1 Notwithstanding Regulation 20.4.1, applicants shall
(i) possess a first or second class Honours degree from a United Kingdom university (in Architecture, Engineering, or closely related subject); or
(ii) possess a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or
(iii) be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to (i) above.

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

Duration of Study
20.41.2 Regulation 20.4.5 and 20.4.6 shall apply.

Mode of Study
20.41.3 The course is available by full-time and part-time study.

Curriculum
20.41.4 All students shall undertake an approved curriculum as follows:

Compulsory Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 563</td>
<td>Ecology, Sustainability and the Built Environment</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>AB 930</td>
<td>Construction Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF xxx</td>
<td>Sustainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931</td>
<td>Research Protocols in Science and Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>AB 972</td>
<td>Research Project</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from Level 5 classes offered within the Faculty of Engineering, as approved by the Course Director.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 955</td>
<td>Environmental Management Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 956</td>
<td>Environmental Business Strategy</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 931</td>
<td>Project Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 932</td>
<td>Risk Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EF 933</td>
<td>Design Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 939</td>
<td>Environmental Impact Assessment</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

20.41.5 Regulation 20.4.21 and 20.4.22 shall apply.
20.41.6 Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the course before being permitted to proceed to the Dissertation.
20.41.7 The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

Award

20.41.8 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.

Transfer

20.41.9 A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Building Design and Management for Sustainability may be transferred to the Postgraduate Certificate in Building Design and Management.
20.42 Department of Bioengineering

Department of Biomedical Engineering

Biomedical Engineering

MRes in Biomedical Engineering

[These regulations are to be read in conjunction with Regulations 20 and 20.4]

Admission

20.42.1 Regulations 20.4.1 and 20.4.2 shall apply.

Duration of Study

20.42.2 Regulations 20.4.5 and 20.4.6 shall apply.

Mode of Study

20.42.3 The course is available by full-time and part-time study.

Credit Transfer and Recognition of Prior Learning

20.42.4 At the discretion of the Head of Department, or Course Director credit transfer and RPL may be granted for up to 34% of the course.

Curriculum

20.42.5 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE918 Professional Studies in Biomedical Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE919 Research Methodology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MRes Project</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>

Either

<table>
<thead>
<tr>
<th>Engineering Science</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE911</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Medical Science for Engineering</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE915</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

dependent on the academic background of the student and chosen after consultation with the Course Director.

Optional Classes

No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE916 Introduction to Biomechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE902 Prosthetics and Orthotics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE901 Regenerative Medicine &amp; Tissue Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE900 Tissue Mechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE909 Biomedical Electronics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Be904 Clinical and Sports Biomechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE905 Bio-signal Processing and Analysis</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE906 Biomaterials and biocompatibility</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE903 Cardiovascular Devices</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE908 Biomedical Instrumentation</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

20.42.6 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.

20.42.7 Candidates will normally be expected to perform to the satisfaction of the Board of Examiners in the compulsory taught components of the course before being permitted to proceed to the project.

20.42.8 Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es) normally in the same academic year.

Award

20.42.9 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.

Transfer

20.42.10 A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Biomedical Engineering may be transferred to the Postgraduate Certificate in Biomedical Engineering provided the appropriate progress regulations are satisfied.

20.42.11 to 20.42.20 (Number not used)

Medical Devices

Doctor of Engineering (EngD) in Medical Devices

[These regulations are to be read in conjunction with Regulations 20 and 20.1]

Admission

20.42.21 Regulations 20.1.1 and 20.1.2 shall apply.

Duration of Study

20.42.22 Regulations 20.1.5 and 20.1.6 shall apply.

Mode of Study

20.42.23 The course is available by full-time study only.

Credit Transfer and Recognition of Prior Learning

20.42.24 As permitted by Regulation 19.1 and at the discretion of the Course Director, exemption from part of the course may be granted to students submitting evidence of appropriate academic attainment or accredited prior experiential learning.

Curriculum
First Year

20.42.25 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>59 906 Introductory Pharmacology</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE915 Medical Science for Engineering</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE910 EngD/MSc Medical Devices Project</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BE918 Professional Studies in Biomedical Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE919 Research Methodology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE909 Biomedical Electronics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BE908 Biomedical Instrumentation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MP 942 Advanced Techniques in Biomedical Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BM 919 Medical Genomics</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 60 credits chosen from:

| BM 918 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      |
| MP 941 Advanced Techniques in Biochemistry                                     | 5     | 10      |
| MP 946 Advanced Techniques in Molecular Biology                                 | 5     | 10      |

Second, Third and Fourth Years

20.42.26 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 Regulation 20.1).

Examination, Progress and Final Assessment

20.42.27 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the taught component of the course. In addition, students must satisfy the general regulations associated with the award of a doctoral research degree as specified in Regulation 20.1.

20.42.28 Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.

20.42.29 Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es) 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

20.42.30 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 Regulation 20.1

**Transfer**

20.42.31 A candidate who fails to satisfy the progress or award requirements of the EngD may be transferred to the MSc, Postgraduate Diploma or Postgraduate Certificate in Medical Devices.

20.42.32 to 20.42.40 *(Numbers not used)*

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**Medical Technology**

**MRes in Medical Technology**

**Course Regulations**
[These regulations are to be read in conjunction with Regulations 20 and 20.4]

**Admission**

20.42.41 Regulation 20.4.1 shall apply.

**Mode of Study**

20.42.42 The course is available by full-time and part-time on-line study.

**Curriculum**

20.42.43 Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 951</td>
<td>Research Methodology in Healthcare</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td>65956</td>
<td>Project</td>
<td>5</td>
<td>120</td>
</tr>
<tr>
<td>and either</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65 949</td>
<td>Case Studies in Medical Technology</td>
<td>5</td>
<td>18</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65 950</td>
<td>Elements of Medical Science</td>
<td>5</td>
<td>18</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 24 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 952</td>
<td>Orthopaedic and Cardiovascular Device Technology</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>65 953</td>
<td>Biomaterials and their Applications</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>65 954</td>
<td>Artificial Organ Technologies</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>65 955</td>
<td>Diagnostic Instrumentation</td>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

20.42.44 Regulations 20.4.20 and 20.4.21 shall apply.

20.42.45 Candidates will normally be expected to perform to the satisfaction of the Board of Examiners in the taught components of the course before being permitted to proceed to the project.
The final assessment will be based on performance in the examinations, the coursework and the project.

**Award**

**Degree of MRes:** In order to qualify for the award of the degree of MRes in Medical Technology, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the project.

**Transfer**

A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Medical Technology may be transferred to the Postgraduate Certificate in Medical Technology provided the appropriate progress regulations are satisfied.

(Number not used)
Admission

20.44.1 Notwithstanding Regulation 20.4.1, applicants shall possess

(i) a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or

(ii) a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or

(iii) 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 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

20.44.2 Regulation 20.4.5 shall apply.

Notwithstanding Regulation 20.4.6, the maximum duration of study will be

for the degree of MRes by full-time study - 24 months

for the degree of MRes by part-time study - 48 months

Mode of Study

20.44.3 The course is available by full-time and part-time study.

Curriculum

20.44.4 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 954 Contaminated Land</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 906 Site Investigation and Risk Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 907 MRes Dissertation</td>
<td>5</td>
<td>120</td>
</tr>
<tr>
<td>CL 931 Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 935 Hydrogeology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 20 credits chosen from:

<table>
<thead>
<tr>
<th>Optional Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL9071 Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 904 Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 961 Geographical Information Systems (GIS)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 951 Groundwater Flow Modelling</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 952 Aquifer Mechanics</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 921 Water and Environment Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EV 939 Environmental Impact Assessment</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td><strong>CL9XX Water &amp; Wastewater Treatment Design</strong></td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>
Independent Study in Collaboration with Industry

Exceptionally, level 5 classes up to a maximum of 20 credits chosen from classes offered by the Department of Civil and Environmental Engineering, as may be approved by the Director of Postgraduate Studies.

Examination, Progress and Final Assessment

Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the Dissertation. Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the course before being permitted to proceed to the Dissertation.

The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

Award

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.

Transfer

A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Geoenvironmental Engineering may be transferred to the Postgraduate Certificate in Geoenvironmental Engineering provided the appropriate progress regulations are satisfied.

Integrated Pollution Prevention and Control

MRes in Integrated Pollution Prevention and Control

Course Regulations

[These regulations are to be read in conjunction with Regulations 20 and 20.4]

Admission

Notwithstanding Regulation 20.4.1, applicants shall possess

(i) a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or

(ii) a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or

(iii) 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 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
20.44.12 Regulation 20.4.5 shall apply. Notwithstanding Regulation 20.4.6, the maximum duration of study will be:
- for the degree of MRes by full-time study - 24 months
- for the degree of MRes by part-time study - 48 months

Mode of Study
20.44.13 The course is available by full-time and part-time study.

Curriculum
20.44.14 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 970  Environmental Pollution Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 904  Waste Management and Landfill Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 931  Research Protocols for Science &amp; Engineering</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 975  Environmental Chemistry</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 907  MRes Dissertation</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 20 credits chosen from:
- CL 971  Air Pollution, Climate Change & Human Health 5 10
- CL 954  Contaminated Land 5 10
- CL 955  Environmental Management Systems 5 10
- CL 960  Fundamentals of Environmental Forensics 5 10
- EV 905  Ecology, Biodiversity and Sustainability 5 10
- EV 908  Pollution and Rehabilitation of Degraded Ecosystems 5 10
- EV 921  Water and Environmental Management 5 10
- EV 939  Environmental Impact Assessment 5 10
- CL9XX  Water & Wastewater Treatment Design 5 10
- CL973  Independent Study in Collaboration with Industry 5 10
- M9 850  International Environmental Law 5 10

Exceptionally, level 5 classes up to a maximum of 20 credits chosen from classes offered by the Department of Civil and Environmental Engineering, as may be approved by the Course Director.

Examination, Progress and Final Assessment
20.44.15 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the Dissertation.
Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the course before being permitted to proceed to the Dissertation.

20.44.16 The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.
20.44.17 **Award**

**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.

20.44.18 **Transfer**

A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Integrated Pollution Prevention and Control may be transferred to the Postgraduate Certificate in Integrated Pollution Prevention and Control provided the appropriate progress regulations are satisfied.

20.44.19 to 20.44.20 (Numbers not used)

20.44.21 **Climate Change Adaptation**

**MRes in Climate Change Adaptation**

**Course Regulations**

[These regulations are to be read in conjunction with Regulations 20 and 20.4]

**Admission**

Notwithstanding Regulation 20.4.1, applicants shall

(i) possess a first or upper second class Honours degree from a United Kingdom university (in Engineering, Earth Science or closely related subject); or

(ii) possess a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above; or

(iii) be an experienced professional working in the area of study deemed by the Head of Department acting on behalf of the Senate to be the equivalent to (i) above.

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**

Regulation 20.4.5 shall apply. Notwithstanding Regulation 20.4.6, the maximum duration of study will be

- for the degree of MRes by full-time study - 24 months
- for the degree of MRes by part-time study - 48 months

**Mode of Study**

The course is available by full-time and part-time study.

**Curriculum**

All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 971   Air Pollution, Climate Change &amp; Human Health</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>CL 907   MRes Dissertation</td>
<td>5</td>
<td>120</td>
</tr>
</tbody>
</table>
CL 931  Research Protocols for Science & Engineering  5  10
CL 974  Sustainable Transformation & Accountability  5  10
EV 939  Environmental Impact Assessment  5  10

Optional Classes
No fewer than 20 credits chosen from
CL 954  Contaminated Land  5  10
CL 904  Waste Management and Landfill Design  5  10
CL 906  Site Investigation and Risk Assessment  5  10
CL 961  Geographical Information Systems (GIS)  5  10
CL 958  Recent Trends in Technological Progress  5  10
CL973  Independent Study in Collaboration with Industry  5  10
M9 850  International Environmental Law  5  10

*Exceptionally, Level 5 classes up to a maximum of 20 credits chosen from classes offered by the Department of Civil and Environmental Engineering, as may be approved by the Director of Postgraduate Studies.

Examination, Progress and Final Assessment
20.44.25Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and the Dissertation.
20.44.26Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the course before being permitted to proceed to the Dissertation.
20.44.27The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

Award
20.44.28Degree 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.

Transfer
20.44.29A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Climate Change Adaptation may be transferred to the Postgraduate Certificate in Climate Change Adaptation.
Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.1]

The course is offered through the Systems Engineering Doctorate Centre, a collaboration involving the University of Strathclyde, the Universities of Bath, Leicester, Loughborough and Queen’s University Belfast. 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

20.45.1 Regulations 20.1.1 and 20.1.2 shall apply.

Duration of Study

20.45.2 Regulations 20.1.5 and 20.1.6 shall apply.

Mode of Study

20.45.3 The course is available by full-time study only.

Place of Study

20.45.4 The taught element of the programme may be delivered at other university campuses or at independent work sites.

Curriculum

First and Second Year

20.45.5 All students shall undertake a core curriculum as follows.

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>56 961</td>
<td>Compulsory Core 1: Introduction to Systems*</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>56 962</td>
<td>Compulsory Core 2: Advanced Systems**</td>
<td>5</td>
<td>50</td>
</tr>
<tr>
<td>56 963</td>
<td>Dissertation</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>* delivered at Loughborough University</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>** delivered at the University of Bath</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 30 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>56 901</td>
<td>Logistics</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>56 904</td>
<td>Manufacturing Systems</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>56 906</td>
<td>CAED Systems</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>56 911</td>
<td>Systems Integration</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>56 931</td>
<td>Knowledge Engineering and Management for Engineers</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>56 941</td>
<td>Modelling of Manufacturing and Business Systems</td>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>
In addition, students will be required to submit a literature review amounting to 60 credits.

**Third and Fourth Years**

20.45.6 All students shall undertake a doctoral research project.

**Examination, Progress and Final Assessment**

20.45.7 Candidates are required to pass examinations and to perform to the satisfaction of the Board of Examiners in the taught component of the course. In addition, students must satisfy the general regulations associated with progress and the award of a doctoral research degree as specified in Regulation 20.1.

20.45.8 Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es) 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.

20.45.9 Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.

**Award**

20.45.10 **Degree of EngD**: In order to qualify for the award of the degree of EngD in Systems Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits from the course curriculum for the first two years 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 Regulation 20.1.

**Transfer**

20.45.11 A candidate who fails to satisfy the requirements for the award of the EngD may be transferred to the MSc in Systems Engineering, provided the appropriate progress regulations are satisfied.

20.45.12 - 20.45.20 (Numbers not used)
Department of Design, Manufacture and Engineering Management

Advanced Manufacturing: Forging and Forming

Doctor of Engineering (EngD) in Advanced Manufacturing: Forging and Forming

[These regulations are to be read in conjunction with Regulations 20 and 20.1]

Admission

20.45.21 Regulations 20.1.1 and 20.1.2 shall apply.

Mode of Study

20.45.22 The course is available by full-time study only.

Curriculum

First Year

20.45.23 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM 920 Strategic Technology Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 932 Postgraduate Individual Project</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>DM 942 Manufacturing Automation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 946 Micro- and Nano-Manufacturing</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 947 Advanced Forming Technology and Systems</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>DM 948 Advanced Material and Production Technology</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>65 905 Research Methodology</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 60 credits chosen from:

| DM 924 Product Design Techniques                        | 5     | 20      |
| DM 925 Systems Integration                             | 5     | 10      |
| DM 927 Strategic Supply Chain Management                | 5     | 10      |
| DM 929 CAED Systems                                    | 5     | 10      |
| DM 941 Fundamentals of Lean Six Sigma                  | 5     | 10      |
| DM 943 Sustainable Product Design and Manufacturing     | 5     | 10      |
| DM 945 Systems Thinking and Modelling                   | 5     | 10      |
| DM 949 Design of Experiments for Process Optimisation   | 5     | 10      |
| EF 930 Information Management                          | 5     | 10      |
| EF 931 Project Management                              | 5     | 10      |

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

Second, Third and Fourth Years

20.45.24 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 Regulation 20.1).
Examination, Progress and Final Assessment

20.45.25 Candidates are required to perform to the satisfaction of the Board of Examiners in the taught component of the course. In addition, students must satisfy the general regulations associated with the award of a doctoral research degree as specified in Regulation 20.1.

20.45.26 Candidates will normally be expected to attain 180 credits before being permitted to commence work on a doctoral research project.

20.45.27 Candidates who fail to satisfy the Board of Examiners in any taught class shall be permitted one further attempt to pass the relevant class(es) normally in the same academic year.

Award

20.45.28 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

(i) accumulated no fewer than 180 credits from the course curriculum
(ii) submitted a piece of satisfactory original research in the form of a portfolio as specified in Regulation 20.1;
(iii) performed satisfactorily in an oral examination.

Transfer

20.45.29 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, Postgraduate Diploma or Postgraduate Certificate in Advanced Manufacturing.
Wind Energy Systems

MRes in Wind Energy Systems

Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.4]

Admission
20.46.21 Notwithstanding Regulation 20.4.1, applicants shall possess
(i) a first class Honours degree from a United Kingdom university (in Engineering, a Physical Science or closely related subject); or
(ii) a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.
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
20.46.22 Regulation 20.4.5 and 20.4.6 shall apply.

Mode of Study
20.46.23 The course is available by full-time study only.

Curriculum
20.46.24 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 964  Research Skills 1</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 965  MRes Dissertation</td>
<td>5</td>
<td>90</td>
</tr>
</tbody>
</table>

Optional Classes
No fewer than 80 credits chosen from:
| BF 981  Socio-Economics of Energy Systems | 5     | 10      |
| EE 958  Wind Turbine Technology 1 | 5     | 10      |
| EE 959  Wind Turbine Technology 2 | 5     | 10      |
| EE 960  Wind Turbine Control | 5     | 10      |
| EE 961  Wind Turbine Power Conversion | 5     | 10      |
| EE 962  Power Systems and Wind Integration 1 | 5     | 10      |
| EE 963  Power Systems and Wind Integration 2 | 5     | 10      |
| NM 964  Business Skills | 5     | 10      |
| NM 999  Mechanical Systems and Turbine Design | 5     | 10      |
Such other classes as may be approved by the Course Director.

Examination, Progress and Final Assessment
20.46.25 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the Dissertation.
Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the course before being permitted to proceed to the Dissertation.

The final assessment will be based on performance in the examinations, coursework, the Dissertation and, if required, in an oral examination.

**Award**

**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.

**Transfer**

A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Wind Energy Systems may be transferred to the Postgraduate Certificate in Wind Energy Systems provided the appropriate progress regulations are satisfied. A candidate who satisfies the Board of Examiners in the taught components of the course may be eligible for transfer to a PhD to undertake research in the area of Wind Energy Systems.

**Future Power Networks and Smart Grids**

**MRes in Future Power Networks and Smart Grids**

**Postgraduate Certificate in Future Power Networks and Smart Grids**

**Course Regulations**

[These regulations are to be read in conjunction with Regulations 20 and 20.4]

**Admission**

Notwithstanding Regulation 20.4.1, applicants shall possess

(i) a first class Honours degree from a United Kingdom university (in Engineering, a Physical Science or closely related subject); or

(ii) a qualification deemed by the Head of Department acting on behalf of the Senate to be equivalent to (i) above.

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

**Duration of Study**

Regulation 20.4.5 and 20.4.6 shall apply.

**Mode of Study**

The course is available by full-time study only.

**Curriculum**

All students shall undertake an approved curriculum as follows:
Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 800</td>
<td>MRes Dissertation</td>
<td>5</td>
<td>100</td>
</tr>
<tr>
<td>EE 801</td>
<td>Future Power Networks and the Smart Grid Paradigm</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 802</td>
<td>Control and Protection of Future Networks</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 803</td>
<td>Power Electronics for Transmission and Distribution Networks</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 805</td>
<td>Communications for Power Networks</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 962</td>
<td>Power Systems and Wind Integration 1</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 30 credits chosen from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE 804</td>
<td>Role of Demand and Customers in Smart Grid Operation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 806</td>
<td>Offshore and Pan European Supergrids</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 807</td>
<td>Managing Risk and Uncertainty in Grid Operation</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 808</td>
<td>Asset Management and Condition Monitoring</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>EE 812</td>
<td>Cyber Security and Data Privacy</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Such other classes as may be approved by the Course Director.

Examination, Progress and Final Assessment

20.46.65 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework, and the Dissertation EE800.

20.46.66 Candidates will normally be expected to perform to the satisfaction of the Board of Examiners on the taught component of the course before being permitted to proceed to the Dissertation.

20.46.67 The final assessment will be based on performance in the examinations, coursework and the Dissertation.

Award

20.46.68 **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.

20.46.69 **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 classes of the course curriculum.

Transfer

20.46.70 A candidate who fails to satisfy the progress or award requirements for the degree of MRes in Future Power Networks and Smart Grids may be transferred to the Postgraduate Certificate in Future Power Networks and Smart Grids provided the appropriate progress regulations are satisfied. A candidate who satisfies the Board of Examiners in the taught components of the course may be eligible for transfer to a PhD to undertake research in the area of Future Power Networks and Smart Grids.
Strathclyde Business School

20.80 Faculty Courses

Business Administration

Doctor of Business Administration

Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.2]

Admission
20.80.1 Applicants must normally possess a first or second class Honours degree of a university in the United Kingdom or a qualification deemed by Senate to be equivalent. Applications will also be considered from candidates holding other qualifications acceptable to Senate.

Duration of Study
20.80.2 The course consists of at least 36 consecutive months study on a full-time basis or a minimum of 36 months on a part-time basis. The Board of Study may grant exemption of up to nine months of full-time study and an equivalent time in part-time study on the basis of performance on an appropriate Masters course.

Mode of Study
20.80.3 Full-time students undertake nine months instruction followed by twenty-seven months research. Part-time students undertake a taught programme, the length of which should be governed by the regulations of that course followed by a period of research to be determined by the Board.

First Stage Curriculum
20.80.4 During the first period of the course students study the curriculum of one of the Master's programmes of the School. Students may then proceed to the Research Programme which shall consist of a preliminary study in the proposed area of research on which a report shall be submitted.

Progress to the Research Programme
20.80.5 To proceed to the research programme a student must perform satisfactorily in the course work of a Master's programme and pass the first diet of examinations at Master's level.

Progress to Second Stage
20.80.6 To proceed to the second stage a student must submit a satisfactory report on the preliminary study in the proposed area of research.
Students who do not satisfy Regulation 20.80.5 or 20.80.6 may be required to withdraw or transfer to an appropriate Master's or Diploma course.

**Second Stage Curriculum**

- **20.80.8** Students are required to attend an approved class in research methods.
- **20.80.9** Students are required to prepare a full research proposal and a literature review and to commence empirical research.
- **20.80.10** Students may also be required to pass other classes.

**Progress to Third Stage**

- **20.80.11** To proceed to the third stage a student must perform satisfactorily in the class in research methods and submit a satisfactory full research proposal and literature review and meet the criteria articulated in Regulation 20.1.22. A student may also be required to perform satisfactorily in other classes undertaken.
- **20.80.12** Students who do not satisfy Regulation 20.80.11 may be required to withdraw or to transfer to a Master's course.

**Third Stage Curriculum**

- **20.80.13** Students must complete their research and prepare a thesis based thereon.

**Final Assessment and Award**

- **20.80.14** The award of the degree of Doctor of Business Administration will be based on the thesis. Candidates are referred to Regulations 20.2. - 20.2.
- **20.80.15** to **20.80.19** (Numbers not used)

**Research Methodology in Business and Management**

**MRes in Research Methodology in Business and Management**

**MRes in Research Methodology in Business and Management (Risk and Reliability)**

**Course Regulations**

[These regulations are to be read in conjunction with Regulations 20 and 20.4.]

**Admission**

- **20.80.20** Regulation 20.4.1 shall apply.

**Duration of Study**

- **20.80.21** Regulations 20.4.5 and 20.4.6 shall apply.

**Mode of Study**

- **20.80.22** The course is available by full-time and part-time study.

**Curriculum**

- **20.80.23** 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 classes.
Students who select the appropriate curriculum may qualify for the specialisation Research Methodology in Business and Management (Risk and Reliability).
Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xx xxx</td>
<td>Dissertation</td>
<td>5</td>
<td>120</td>
</tr>
<tr>
<td>and either</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xx xxx</td>
<td>Advanced Quantitative Methods: Survey and Design</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>and</td>
<td>BF 998 Advanced Quantitative Methods</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>or</td>
<td>BF 995 Advanced Qualitative Methods</td>
<td>5</td>
<td>20</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 40 credits chosen from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF 977</td>
<td>Special Topics 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BF 978</td>
<td>Special Topics 2</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BF 979</td>
<td>Special Topics 3</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BF 996</td>
<td>Writing and Presenting Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BF 997</td>
<td>Interdisciplinary Collaborative Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 502</td>
<td>Basic Reliability Theory and Techniques</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MS 503</td>
<td>Advanced System Reliability Modelling</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MS 507</td>
<td>Modelling within Reliability and Maintainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 927</td>
<td>Risk Analysis and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 962</td>
<td>Foundations of Risk</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 963</td>
<td>Risk Governance</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Z1 937</td>
<td>Entrepreneurship Research</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Such other classes at Level 5 offered by the Business School as may be approved by the Course Director.

Students seeking a specialisation in Risk and Reliability shall undertake the following curriculum:

Compulsory Classes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS 502</td>
<td>Basic Reliability Theory and Techniques</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MS 503</td>
<td>Advanced System Reliability Modelling</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MS 507</td>
<td>Modelling within Reliability and Maintainability</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 927</td>
<td>Risk Analysis and Management</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 962</td>
<td>Foundations of Risk</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>MS 963</td>
<td>Risk Governance</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Optional Classes

No fewer than 10 credits chosen from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF 977</td>
<td>Special Topics 1</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BF 995</td>
<td>Advanced Qualitative Methods</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>BF 996</td>
<td>Writing and Presenting Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>BF 997</td>
<td>Interdisciplinary Collaborative Research</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Xx xxx</td>
<td>Entrepreneurship Research</td>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Such other classes at Level 5 offered by the Business School as may be approved by the Course Organiser.

**Examination, Progress and Final Assessment**
Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and in the dissertation.

The final assessment will be based on performance in the examinations, coursework, the dissertation and, if required, in an oral examination.

**Award**

**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 BF 9xx *Dissertation*.

In order to qualify for the award of the degree of MRes in Research Methodology in Business and Management (Risk and Reliability) 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 *BF 9xx Dissertation* with research undertaken in a relevant area.

**Transfer**

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.

(Numbers not used)
Faculty of Humanities and Social Sciences

20.120 Faculty Courses

Master of Research (MRes)
In
Counselling
Creative Writing
Education
English
European Public Policy
French
Geography
German
History
Italian
Journalism
Law
Music
Literary Linguistics
Politics
Psychology
Scottish Studies
Social Policy
Social Work
Sociology
Spanish
Speech & Language Therapy
Physical Activity for Health

Course Regulations
[These regulations are to be read in conjunction with Regulations 20.4]

Admission
20.120.1 Regulation 20.4.1 shall apply.
20.120.2 Candidates will be admitted to MRes study in the Faculty of Humanities and Social Sciences

Duration of Study
20.120.3 Regulations 20.4.5 and 20.4.6 will apply.

Mode of Study
20.120.4 The degree is available by full-time and part-time study.

Curriculum
20.120.5 All students will undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Class</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Either QQ 907</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>160</td>
</tr>
<tr>
<td>or R1 900</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>160</td>
</tr>
</tbody>
</table>
or
V1 918  Dissertation in History 5 160
or
R3 900  Dissertation in Italian 5 160
or
R4 900  Dissertation in Spanish 5 160
or
QQ 906  Dissertation in Creative Writing 5 160
or
P3 933  Dissertation in Journalism 5 160

Optional Classes
No fewer than 20 credits chosen from:
ES 939  Research Skills in Literature, Culture and Communication 5 20
HY 903  Sources, Skills and Methods for Historians 1 5 20
HY 904  Sources, Skills and Methods for Historians 2 5 20

Examination and Final Assessment
20.120.6 Regulations 20.4.18 to 20.4.25 shall apply
20.120.7 The final assessment will be based on performance in the coursework, examinations, and dissertation and, if appropriate, in an oral examination.

Award
20.120.8 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 must have been awarded in respect of the Dissertation.
20.121 (Number not used)

20.122 School of Education

Education

Doctor of Education (EdD)

Course Regulations
[These regulations are to be read in conjunction with Regulations 20 and 20.2]

Admission
20.122.1 Notwithstanding Regulation 20.2.1, successful applicants shall normally possess
(i) a Master’s degree in Education from a university in the United Kingdom; or
(ii) a qualification deemed by the Course Director (or nominee) acting on behalf of Senate to be equivalent to (i) above; or
(iii) be deemed by the Course Director (or nominee) acting on behalf of Senate, to have achieved an academic standard equivalent to (i) above.

In addition, successful applicants shall also possess

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(iv) a teaching qualification; or
(v) other relevant professional qualification.

**Duration of Study**

20.122.2 Notwithstanding Regulation 20.2.5, 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

Notwithstanding Regulation 20.2.6, 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**

20.122.3 The course is available by full-time and part-time study. All students undertake a curriculum comprising classes which are modular in nature and consist of formal tuition, independent study and supervised research.

**Curriculum**

20.122.4 All students shall undertake an approved curriculum as follows:

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>X7 825 EdD Thesis</td>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>X7 823 Methods of Enquiry in Professional Education</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>X7 821 Literature and Scholarship</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>X7 822 The Professional Dimension</td>
<td>5</td>
<td>60</td>
</tr>
<tr>
<td>X7 824 Synoptic Paper</td>
<td>5</td>
<td>60</td>
</tr>
</tbody>
</table>

**Examination, Progress and Final Assessment**

20.122.5 Candidates are required to perform to the satisfaction of the Board of Examiners in all aspects of the curriculum and in the thesis.

20.122.6 Candidates will normally be expected to perform to the satisfaction of the Board of Examiners in the taught component of the course before being permitted to proceed to the thesis.

20.122.7 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.

20.122.8 The final assessment will be based on performance in the coursework, the thesis and an oral examination.

**Award**

20.122.9 In order to qualify for the award of the degree of Doctor of Education, 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 300 must have been awarded in respect of the Thesis.

20.122.10 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**
A candidate who has accumulated no fewer than 240 credits in the taught component of the course will be eligible for the exit award of MSc in Practitioner Research.

**Counselling Psychology**

**Professional Doctorate in Counselling Psychology**

[The General Regulations for Professional Doctorate degrees (Regulation 20.2) of the University of Strathclyde shall not apply except with the agreement of the Glasgow Caledonian University.]

This course is offered jointly by the University of Strathclyde and the Glasgow Caledonian University and the award is made in the name of both Universities. The regulations are drawn up consequent upon a Collaborative Agreement which has been approved by the Senate.

The taught component may be delivered at university campuses or in professional settings but all classes will be taught by staff from the two Universities. Students shall be subject to the course regulations that have been adopted by both Universities and to any other General Regulations etc. of the University at which they are studying.

For the current academic year, the administering University is Glasgow Caledonian University and full details of Course Regulations applicable are shown in that University’s Calendar.

20.123 to 20.131 (Numbers not used)
20.132 School of Psychological Sciences and Health

Educational Psychology

Doctor of Educational Psychology

Course Regulations
(These regulations are to be read in conjunction with Regulations 20 and 20.2)

Admission
20.132.1 Notwithstanding Regulation 20.2.1, applicants shall possess either
(i) MSc in Educational Psychology
or
(ii) qualifications and experience deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above;
and
(iii) shall currently be engaged in work in the field as a practising Educational Psychologist.
In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration
20.132.2 The course 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 course recognised by the University for this purpose.

Nature of study
20.132.3 Students undertake a full-time programme of research and fieldwork.

Curriculum
20.132.4 During the first stage of the course, students must complete a portfolio of 3 pieces of small-scale research work carried out in practice.
Students who hold a Masters degree approved by the University will have this requirement waived by the Head of Department (or nominees) in accord with Regulation 20.2.4
20.132.5 During the second stage of the course students must complete the research programme and a reflective self-evaluation report on their professional practice.

Examination, Progress and Final Assessment
20.132.6 To proceed to the second stage of the course consisting of professional practice and the research programme a student must perform satisfactorily in the portfolio.
20.132.7 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.
20.132.8 Before being allowed to proceed to examination of the thesis a student must have received a satisfactory report from the Principal Educational Psychologist.
20.132.9 Students who do not satisfy Regulation 20.132.4 or 20.132.5 may be required to withdraw from the course.
20.132.10 Regulations 20.2.23 – 20.2.26 shall apply.

**Award**

20.132.11 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.

20.132.12 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.

20.132.13 (Numbers not used)

20.134 **Sociology**

**Social Research**

**MRes in Social Research**

**Course Regulations**

[These regulations are to be read in conjunction with Regulation 20 and 20.4]

**Admission**

20.134.1 Notwithstanding Regulation 20.4.1, applicant shall possess
(i) a first or second class Honours degree in Social Science of a United Kingdom university; or
(ii) a qualification deemed by the Head of Department acting on behalf of Senate to be equivalent to (i) above.

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**

20.134.2 Regulations 20.4.5 and 20.4.6 shall apply.

**Mode of Study**

20.134.3 The course is available by full-time and part-time study.

**Curriculum**

20.134.4 All students shall undertake an approved curriculum as follows:

for the degree of MRes – no fewer than 180 credits including a dissertation

<table>
<thead>
<tr>
<th>Compulsory Classes</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 902 Quantitative Methods 1</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>35 903 Philosophy of Social Science</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>GS 902 Qualitative Methods</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>
Examination, Progress and Final Assessment

20.134.5 Regulations 20.4.18 – 20.4.25 shall apply.
20.134.6 Progress between semesters, and where appropriate between years, may be dependent on satisfactory performance against prescribed criteria outlined in the Course Handbook.
20.134.7 The final assessment will be based on performance in the examinations, coursework, the dissertation, where undertaken, and, if required, in an oral examination.

Award

20.134.8 **Degree of MRes**: In order to qualify for the award of the degree of MRes in Social 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 100 credits must have been awarded in respect of the dissertation.

Transfer

20.134.9 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 or the Postgraduate Certificate in Social Research may be considered for the award of the Postgraduate Diploma or Postgraduate Certificate and have his or her registration so transferred.

21 (Number not used)
22.1 Continuation Education

General Regulations

Certificate of Continuing Education

Entrance Requirements

22.1.1 Every candidate for admission to a course of study leading to the award of a Certificate of Continuing Education must offer qualifications and/or experience deemed appropriate by the relevant Board of Study.

Duration of Study

22.1.2 The Certificate of Continuing Education is offered on a part-time basis only. The period of study shall be not less than two academic sessions, and students shall attend as prescribed in the appropriate Schedule.

Course of Study

22.1.3 The course of study shall be as prescribed in the Schedules which follow these regulations. The Schedules may be amended from time to time by the Senate on the recommendation of the relevant Board of Study.

Curriculum

22.1.4 Candidates for the Certificate of Continuing Education shall be required to follow a prescribed course of instruction selected from the classes and in accordance with the regulations as set forth in the appropriate Schedule.

Attendance and Performance

22.1.5 Every candidate admitted to a course of study for a Certificate shall be required to attend regularly and to perform satisfactorily in the curriculum.

22.1.6 Candidates who in the opinion of the Head of the Department offering a class do not satisfy the requirements as to attendance and performance shall not be entitled to take the examination in the subject of that class and shall be so informed. The names of such candidates shall be reported immediately to the Board of Study concerned.

Examinations

22.1.7 There shall be a certificate examination for each class unless specified otherwise in the appropriate Schedule. A second diet of examinations may be held each academic year, at the discretion of the Board of Study. The performance of candidates shall be assessed by the Board of Examiners appointed by the Senate on the recommendation of the relevant Board of Study.

Progress

22.1.8 In order to proceed to the following year of the course, a candidate must obtain passes in the certificate examination as prescribed in the appropriate Schedule.

22.1.9 A candidate who at the first diet fails to pass any certificate examination may be permitted to resit the examination in which they have failed.
Termination and Withdrawal

22.1.10 A candidate who after two attempts at the examinations has failed to satisfy the regulations governing progress to the following year of the course may be required by the Board of Study to withdraw. A candidate who has been required to withdraw may appeal to the Board of Study for their case to be reconsidered on any of the following grounds:

(a) that there were procedural irregularities in the conduct of the examination or of the assessment (including alleged administrative error of such a nature as to cause reasonable doubt as to whether the examiners or the Board of Study would have reached the same conclusion if the alleged error had not been made);

(b) that there were medical, personal or other circumstances affecting the student's performance of which the examiners or the Board of Study were not aware when their decision was taken; and

(c) that there was inadequate assessment, prejudice or bias on the part of one or more of the examiners or assessors.

Any such appeal shall be supported by appropriate documentary evidence and shall be lodged in writing with the Academic Registrar not later than a date specified by the Board of Study and notified to the candidate in the letter informing the candidate that they are required to withdraw.

Award

22.1.11 A candidate who satisfies the requirements of the Ordinances governing the award of certificates and the provisions of these regulations shall be entitled to receive a Certificate of Continuing Education in which the course of study shall be set forth. The Certificate may be awarded with merit.

22.1.12 to 22.2 (Numbers not used)
Faculty of Humanities and Social Sciences

Certificate of Continuing Education in French

Course Regulations
[These regulations are to be read in conjunction with Regulation 22.1]

Admission
22.2.1 Applicants for admission to the course for the Certificate of Continuing Education in French must normally satisfy the General Entrance Requirement including passes in SCE Higher or GCE A level French. In special circumstances candidates offering suitable alternative qualifications acceptable to the Board of Study may be considered. Admission is limited to those who are unable to follow a full-time course of study.

Duration of Course
22.2.2 The course is offered on a part-time basis only, normally over a period of four years. Subject to the provisions of Regulation 22.1.2, the Board of Study may grant exemption from part of the course to a candidate who submits such evidence of academic fitness as the Board considers acceptable.

Nature of Study
22.2.3 The course will consist of approximately 200 lecture/tutorial hours comprising four classes each of a minimum of 48 hours (or equivalent). In addition there will be prescribed work and practical exercises including work in the language laboratory and the tape library.

Curriculum
22.2.4 All students shall undertake classes amounting to 120 credits as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1 109</td>
<td>Introduction to French 1A</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>R1 110</td>
<td>Introduction to French 1B</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>R1 203</td>
<td>French Language 2A</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>R1 204</td>
<td>French Language 2B</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>R1 210</td>
<td>Dealing with Difference in France and Francophone World</td>
<td>2</td>
<td>20</td>
</tr>
<tr>
<td>R1 305</td>
<td>French Language 3A</td>
<td>3</td>
<td>20</td>
</tr>
</tbody>
</table>

Examinations and Progress
22.2.5 Two diets of examinations shall be held in each academic year. Candidates will normally sit within each year of study the examinations appropriate to the classes taken in that year unless excluded therefrom under the provisions of Regulation 22.1.6.

22.2.6 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.

Award
22.2.7 In order to qualify for the award of the Certificate a candidate must have accumulated no fewer than 120 credits.
Certificate of Continuing Education in Italian

Course Regulations
[These regulations are to be read in conjunction with Regulation 22.1]

Admission
22.2.11 Applicants for admission to the course for the Certificate of Continuing Education in Italian must normally satisfy the General Entrance Requirement or offer suitable alternative evidence of educational ability acceptable to the Board of Study. Admission is limited to those who are unable to follow a full-time course of study.

Duration of Course
22.2.12 The course is offered on a part-time basis only, normally over a period of three years. Subject to the provisions of Regulation 22.1.2, the Board of Study may grant exemption from part of the course to a candidate who submits such evidence of academic fitness as the Board considers acceptable.

Nature of Study
22.2.13 The course will consist of approximately 200 lecture/tutorial hours comprising six classes each of a minimum of 30-36 hours (or equivalent). In addition there will be prescribed work and practical exercises including work in the language laboratory.

Curriculum
22.2.14 All students shall undertake classes amounting to 120 credits as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>R3 114</td>
<td>Introduction to Italian 1A</td>
<td>1</td>
</tr>
<tr>
<td>R3 115</td>
<td>Introduction to Italian 1B</td>
<td>1</td>
</tr>
<tr>
<td>R3 208</td>
<td>Modern Italy – State, Culture and Society</td>
<td>2</td>
</tr>
<tr>
<td>R3 209</td>
<td>Italian Language 2A</td>
<td>2</td>
</tr>
<tr>
<td>R3 210</td>
<td>Italian Language 2B</td>
<td>2</td>
</tr>
<tr>
<td>R3 394</td>
<td>Italian Language 3A</td>
<td>3</td>
</tr>
</tbody>
</table>

Examinations and Progress
22.2.15 Two diets of examinations shall be held in each academic year. Candidates will normally sit within each year of study the examinations appropriate to the classes taken in that year unless excluded therefrom under the provisions of Regulation 22.1.6. The classes Introduction to Italian 1A, 2B and 3A are continuous assessment classes only.

22.2.16 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.

Award
22.2.17 In order to qualify for the award of the Certificate a candidate must have accumulated no fewer than 120 credits.
Certificate of Continuing Education in Spanish

Course Regulations

[These regulations are to be read in conjunction with Regulation 22.1]

Admission

22.2.21 Applicants for admission to the course for the Certificate of Continuing Education in Spanish must normally satisfy the General Entrance Requirement or offer suitable alternative evidence of educational ability acceptable to the Board of Study. Admission is limited to those who are unable to follow a full-time course of study.

Duration of Course

22.2.22 The course is offered on a part-time basis only, normally over a period of four years. Subject to the provisions of Regulation 22.1.2, the Board of Study may grant exemption from part of the course to a candidate who submits such evidence of academic fitness as the Board considers acceptable.

Nature of Study

22.2.23 The course will consist of approximately 200 lecture/tutorial hours comprising four classes each of a minimum of 48 hours (or equivalent). In addition there will be prescribed work and practical exercises including work in the language laboratory and the tape library.

Curriculum

22.2.24 All students shall undertake classes amounting to 120 credits as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4 109</td>
<td>Introduction to Spanish 1A</td>
<td>1</td>
</tr>
<tr>
<td>R4 110</td>
<td>Introduction to Spanish 1B</td>
<td>1</td>
</tr>
<tr>
<td>R4 200</td>
<td>Independence and Isolation in Spain and Latin America</td>
<td>2</td>
</tr>
<tr>
<td>R4 206</td>
<td>Spanish Language 2A</td>
<td>2</td>
</tr>
<tr>
<td>R4 207</td>
<td>Spanish Language 2B</td>
<td>2</td>
</tr>
<tr>
<td>R4 308</td>
<td>Spanish Language 3A</td>
<td>3</td>
</tr>
</tbody>
</table>

Examinations and Progress

22.2.25 Two diets of examinations shall be held in each academic year. Candidates will normally sit within each year of study the examinations appropriate to the classes taken in that year unless excluded therefrom under the provisions of Regulation 22.1.6.

22.2.26 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.

Award

22.2.27 In order to qualify for the award of the Certificate a candidate must have accumulated no fewer than 120 credits.
Certificate of Applied Language Study in French
Certificate of Applied Language Study in Italian
Certificate of Applied Language Study in Spanish

Course Regulations
[These regulations are to be read in conjunction with Regulation 22.1]

Admission
22.2.31 Applicants for admission to the Certificate of Applied Language Study in French, in Spanish or in Italian must have been accepted onto the Modern Apprenticeship Framework scheme. In special circumstances candidates offering suitable alternative qualifications acceptable to the Board of Study may be considered.

Duration of Course
22.2.32 The courses are offered on a part-time basis only, normally over a period of four years. Subject to the provisions of Regulation 22.1.2, the Board of Study may grant exemption from part of a course to a candidate who submits such evidence of academic fitness as the Board considers acceptable.

Nature of Study
22.2.33 The courses consist of approximately 200 lecture/tutorial hours comprising four classes each of a minimum of 48 hours (or equivalent). In addition there will be prescribed work and practical exercises including work in the language laboratory and the tape library.

Curriculum
22.2.34 All students shall undertake a curriculum based on the accumulation of no fewer than 114 credits as follows:

French
First Year
FR 101  French A  1  12
FR 102  French B  1  12

Second Year
FR 201  French C  2  15
FR 202  French D  2  15

Third Year
FR 301  French E  3  15
FR 302  French F  3  15

Fourth Year
FR 303  French G  3  15
FR 304  French H  3  15

Italian
First Year
**IT 102 Italian A** 1 12  
**IT 103 Italian B** 1 12  

**Second Year**  
**IT 201 Italian C** 2 15  
**IT 202 Italian D** 2 15  

**Third Year**  
**IT 301 Italian E** 3 15  
**IT 302 Italian F** 3 15  

**Fourth Year**  
**IT 303 Italian G** 3 15  
**IT 304 Italian H** 3 15  

**Spanish**  
**First Year**  
**SP 101 Spanish A** 1 12  
**SP 102 Spanish B** 1 12  

**Second Year**  
**SP 201 Spanish C** 2 15  
**SP 202 Spanish D** 2 15  

**Third Year**  
**SP 302 Spanish E** 3 15  
**SP 303 Spanish F** 3 15  

**Fourth Year**  
**SP 304 Spanish G** 3 15  
**SP 305 Spanish H** 3 15  

**Examinations and Progress**  
22.235 Two diets of examinations shall be held in each academic year. Candidates will normally sit within each year of study the examinations appropriate to the classes taken in that year.  
22.2.36 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.  

**Award**  
22.2.36 In order to qualify for the award of the Certificate of Applied Language Study in French or in Italian or in Spanish, a candidate must have accumulated no fewer than 114 credits.  

22.2.37 to 22.125 (numbers not used)
Centre for Lifelong Learning

Open Studies Certificate

The Open Studies Certificate programme is a part-time credit-based modular programme of continuing personal education classes at undergraduate level. The ethos of liberal adult education underpins the philosophy and aims of the programme. The Certificate is offered in named pathways approved from time to time by Senate on the recommendation of the Board of Study.

The following regulations apply to students entering the programme in or after September 2009. Students who registered on the Open Studies Certificate programme before session 2009/10 and who are deemed by the Head of Lifelong Learning to have qualified for transfer into this course may be granted exemption from individual classes forming the curriculum of this course. A student exempted in this way will be credited with the normal number of credits for the class or classes from which exemption has been granted.

General Regulations for the Open Studies Certificate

Admission

22.3.1 Applicants will normally be aged 21 years or over.

Mode and Duration of Study

22.3.2 The Open Studies Certificate is offered on a part-time basis only.
22.3.3 The minimum period of study is 2 semesters. Unless granted an extension of time by the Board of Study, a student who has not qualified for the award of the Certificate within a period of 8 semesters from the date of first registration may be required to withdraw.

Place of Study

22.3.4 See Regulation 11.1.7

Credit Transfer and Recognition of Prior Learning

22.3.5 Regulation 11.1.2, where exemption is granted this shall normally not exceed 10 credits.
22.3.6 A student who has previously withdrawn from the programme may, at the discretion of the Head of Lifelong Learning, be permitted within two years of the student's date of withdrawal to re-enter the programme with exemption from those classes for which the student had previously been awarded credit.

Course Structure and Curriculum

22.3.7 See Regulations 11.1.8 – 11.1.21. At the discretion of the Head of Lifelong Learning, any class may be withdrawn in any given year, if it is deemed that insufficient numbers of students have enrolled for that class: such withdrawal will be notified as soon as is practical and not later than the end of the first week of the relevant semester.

Attendance and Performance
22.3.8 See Regulation 11.1.22

**Assessment**

22.3.9 See Regulations 11.1.26-11.1.35

**Award of Credits**

22.3.10 See Regulation 11.1.39

**Progress of Students**

22.3.11 See Regulation 11.1.40

**Suspension and Withdrawal**

22.3.12 See Regulations 11.1.44, 11.1.47 – 11.1.49

**Appeals against Suspension and Withdrawal**

22.3.13 See Regulations 11.1.52 – 11.1.55.

**Award**

22.3.14 A student who satisfies the requirements of the Ordinances governing the award of certificates and the provisions of the regulations as set forth in the Schedule shall be entitled to receive an Open Studies Certificate setting forth the course of study in which the Certificate has been granted.

22.3.15 to 22.3.20 (Numbers not used)
Open Studies

Open Studies Certificate (Named Pathway specified in Regulation 23.11.2)

Course Regulations
[These regulations are to be read in conjunction with Regulation 23.1].

Course Entrance Requirements

22.3.21 See Regulation 23.1.1

Certificate Structure

22.3.22 The Open Studies Certificate can be awarded in any of the following Pathways:

- Open Studies Certificate (Applied Arts)
- Open Studies Certificate (Applied Writing)
- Open Studies Certificate (Coaching)
- Open Studies Certificate (Cultural and Literary Studies)
- Open Studies Certificate (Genealogical Studies)
- Open Studies Certificate (Language Studies)
- Open Studies Certificate (Theatre Arts)
- Open Studies Certificate (Adult Teaching and Learning)

In the case of Open Studies Certificate (Language Studies), the Certificate may be awarded in a specified language.

Curriculum

22.3.23 Having selected a subject area, all students will take classes amounting to no fewer than 20 credits from that pathway, with the remaining 10 taken from any of the classes listed in Regulation 23.11.4.

List of Approved Classes

22.3.24

<table>
<thead>
<tr>
<th>Applied Arts</th>
<th>Level</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS 186</td>
<td>1</td>
<td>10</td>
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<tr>
<td>OS 284</td>
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<td>10</td>
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<tr>
<td>OS 285</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 287</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 401</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 402</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 403</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 641</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 642</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 643</td>
<td>1</td>
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<td>OS 646</td>
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<tr>
<td>-------------</td>
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</tr>
<tr>
<td>OS 656</td>
<td>Digital Photography 1</td>
<td>1</td>
</tr>
<tr>
<td>OS 657</td>
<td>Digital Photography 2</td>
<td>1</td>
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<tr>
<td>OS 658</td>
<td>Taking Watercolours Further 1</td>
<td>1</td>
</tr>
<tr>
<td>OS 119</td>
<td>Learn to Paint with Acrylics</td>
<td>1</td>
</tr>
<tr>
<td>OS 120</td>
<td>Learn to Paint with Oils</td>
<td>1</td>
</tr>
<tr>
<td>OS 125</td>
<td>Learn to Paint with Watercolours</td>
<td>1</td>
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<tr>
<td>OS 126</td>
<td>Taking Acrylic Painting Further 4</td>
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</tr>
<tr>
<td>OS 127</td>
<td>Watercolour Painting: Portfolio Class</td>
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<tr>
<td>OS 128</td>
<td>Acrylic Painting: Portfolio Class</td>
<td>1</td>
</tr>
</tbody>
</table>

**Applied Writing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS 282</td>
<td>Taking Creative Writing Further 3</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>OS 283</td>
<td>An Introduction to Novel Writing</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>OS 616</td>
<td>Creative Writing for Beginners</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 617</td>
<td>Taking Creative Writing Further 1</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 618</td>
<td>Taking Creative Writing Further 2</td>
<td>1</td>
<td>10</td>
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</table>

**Coaching**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS 559</td>
<td>Coaching Stage 1</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 560</td>
<td>Coaching Stage 2</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>OS 561</td>
<td>Coaching Stage 3</td>
<td>1</td>
<td>10</td>
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</table>

**Cultural and Literary Studies**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Level</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS 610</td>
<td>Access to University Study</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>OS 611</td>
<td>How to Look at Art</td>
<td>1</td>
<td>10</td>
</tr>
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<td>OS 612</td>
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**Genealogical Studies**

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**Language Studies**

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**Theatre Arts**

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<td>The Art of Directing</td>
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<td>OS 635</td>
<td>Finding Your Voice</td>
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<td>OS 638</td>
<td>How to Write for Stage and Screen</td>
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<td>How to Write for Film</td>
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**Adult Teaching and Learning**

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<td>OS 630</td>
<td>Adult Learning Theory in Practice</td>
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<tr>
<td>OS 631</td>
<td>Using Technology and Communicating Effectively with Adult Learners</td>
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**Progress**

22.3.25 Students may progress to the following year of study without the requirement to pass all classes in the previous year. This allows for the broad range of subjects on offer to be taken by student.

**Award**

22.3.26 In order to qualify for the award of the Open Studies Certificate, a student must have accumulated no fewer than 30 credits.

22.3.27 to 22.92 (numbers not used)
Strathclyde Business School

22.92 Department of Economics

Economics

Certificate of Continuing Education in Economics

Course Regulations
[These regulations are to be read in conjunction with Regulation 22.1]

Admission

22.92.1 Candidates should normally satisfy the General Entrance Requirement, or offer suitable alternative evidence of educational ability acceptable to the Board of Study. Admission is limited to those who are unable to follow a full-time course of study.

Duration of Course

22.92.2 The course is offered on a part-time basis only, normally over a period of four years. Subject to the provisions of Regulation 22.1.2, the Board of Study may grant exemption from part of the course to a candidate who submits such evidence of academic fitness as the Board considers acceptable. The Board of Study may also permit a candidate to complete the course in a shorter period.

Nature of Study

22.92.3 The course consists of approximately 200 lecture hours comprising four 48 hour classes (or equivalent). In addition there are tutorials, assignments and directed reading.

Curriculum

22.92.4 All students shall undertake a curriculum approved by the Head of the Department of Economics and based on the list of classes offered in Regulation 9.21.34 under the subject heading Economics, as follows:

First Year
31 101 Economics

Second, Third and Fourth Years
Classes chosen with the approval of the Head of the Department of Economics from those listed in Regulation 9.21.34 Parts III under the subject heading Economics.

Examinations and Progress

22.92.5 Two diets of examinations shall be held in each academic year. Candidates will sit within each year of study the examinations appropriate to the class(es) taken in that year, unless excluded there from under the provisions of Regulation 22.1.6

22.92.6 (a) In order to proceed to the second year; a student must obtain passes in the class (or equivalent) taken in the first year.
(b) In order to proceed to the third year, a student must obtain passes in at least one of the classes (or equivalent) taken in the second year.

(c) In order to proceed to the fourth year, a student must obtain passes in at least three classes (or equivalent) of the approved curriculum.

**Award**

22.92.7 In order to qualify for the award of the Certificate candidates must have passed in all the classes of their curriculum.
Changes and restrictions are made from time to time and the University reserves the right to add, amend or withdraw courses and facilities, to restrict student numbers and to make any other alterations, as it may deem necessary and desirable. Changes are published by incorporation in the next edition of the Course Regulations.

Any queries about the contents of the Course Regulations should be directed to the Education Quality and Policy Manager, Education Enhancement, University of Strathclyde, Glasgow G1 1XQ (Telephone 0141 548 4967).