

# General and Course Regulations for Graduate and Postgraduate Awards and Degrees 2013-14

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Version 2.0

General and Course Regulations for Graduate and Postgraduate Awards and Degrees 2013-14

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

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**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*

|                               |          |
|-------------------------------|----------|
| Graduate Diploma              | 9 months |
| Professional Graduate Diploma | 9 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**

- 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:

| <b>Award</b>                  | <b>Credit Requirements</b> | <b>Minimum Level Requirement</b>          |
|-------------------------------|----------------------------|---|
| Graduate Diploma              | 120                        | Graduate entry and 90 credits at Level 4  |
| Professional Graduate Diploma | minimum 120                | Graduate entry and all credits at Level 4 |

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.

**Dissertation**

- 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.

**Attendance and Performance**

- 18.1.15 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.

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

18.1.34 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.

18.1.35 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**

18.1.36 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**

18.1.37 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.

18.2  
to 18.45 (Numbers not used.)



## Course Regulations

### Faculty of Engineering

#### 18.46 Department of Electronic and Electrical Engineering

### Electronic and Electrical Engineering Systems

#### Graduate Diploma in Electronic and Electrical Engineering Systems (Conversion Course)

#### 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 150 credits as follows:

| Compulsory Class         | Level | Credits |
|--------------------------|-------|---------|
| EE 400      Dissertation | 4     | 30      |

#### Optional Classes

No fewer than 120 credits (including at least 60 at Level 3 or above), chosen from classes listed in Regulations 16.46.84, 16.46.85, 16.46.86 and a selection of entrepreneurial and business modules as listed below.

|        |  |   |    |
|--------|--|---|----|
| 53 202 | Statistics for Engineers                               | 2 | 10 |
| 56 103 | Fundamentals of Engineering Management                 | 1 | 10 |
| 56 201 | Fundamentals of E-Business                             | 2 | 10 |
| 56 205 | Facilities Management                                  | 2 | 10 |
| 56 206 | Management of Design Process                           | 2 | 10 |
| 56 304 | Engineering Economics                                  | 3 | 10 |
| 56 310 | Sales Purchasing and Marketing                         | 3 | 10 |
| 56 315 | Managing People  | 3 | 10 |
| Z1 104 | Entrepreneurship: Introduction to Business<br>Start-up | 1 | 10 |

#### Examination, Progress and Final Assessment

18.46.5 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.

18.46.6 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**

18.46.7 **Graduate Diploma:** In order to qualify for the award of Graduate Diploma in Electronic and Electrical Engineering Systems, a candidate must have performed to the satisfaction of the Board of Examiners and have accumulated no fewer than 150 credits with at least 90 credits from Level 4 or above of which 30 must have been awarded in respect of the Dissertation.

18.46.8  
to 18.46.10 (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

18.46.11 Regulation 18.1.1 shall apply.

#### Duration of Study

18.46.12 Regulations 18.1.5 and 18.1.6 shall apply.

#### Mode of Study

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

#### Curriculum

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

| Compulsory Class         | Level | Credits |
|--------------------------|-------|---------|
| EE 400      Dissertation | 4     | 30      |

#### Optional Classes

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

|   | Level | Credits |
|---|-------|---------|
| 19 205      Analogue Electronics            | 2     | 10      |
| 19 206      Digital Electronics             | 2     | 10      |
| 19 267      Electronic Processing Systems 2 | 2     | 10      |
| 19 313      Signals and Systems             | 3     | 10      |
| 19 325      Communications                  | 3     | 10      |
| 19 343      Electronic CAD Project 1        | 3     | 10      |
| 19 345      Analogue Electronics 3          | 3     | 10      |
| 19 359      Electronic Processing Systems 3 | 3     | 10      |
| 19 449      Computer Vision                 | 4     | 10      |

|        |   |   |    |
|--------|---|---|----|
| 19 511 | Mobile Communication Systems                        | 4 | 10 |
| 19 980 | Microcontroller Applications                        | 4 | 10 |
| 19 981 | Digital Signal Processing                           | 4 | 10 |
| 19 983 | Advanced Microprocessing Design and Neurocomputing  | 4 | 10 |
| 19 984 | Photonic Systems                                    | 4 | 10 |
| 19 989 | Information Transmission and Security               | 4 | 10 |
| 19 990 | Communication Networks                              | 4 | 10 |
| 53 202 | Statistics for Engineers                            | 2 | 10 |
| 56 103 | Fundamentals of Engineering Management              | 1 | 10 |
| 56 201 | Fundamentals of E-Business                          | 2 | 10 |
| 56 205 | Facilities Management                               | 2 | 10 |
| 56 206 | Management of Design Process                        | 2 | 10 |
| 56 304 | Engineering Economics                               | 3 | 10 |
| 56 310 | Sales Purchasing and Marketing                      | 3 | 10 |
| 56 315 | Managing People                                     | 3 | 10 |
| EE 401 | Engineering Analysis                                | 4 | 10 |
| EE 402 | VHDL  | 4 | 10 |
| Z1 104 | Entrepreneurship: Introduction to Business Start-up | 1 | 10 |

### **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 |                                       | Level | Credits |
|--------------------|---------------------------------------|-------|---------|
| X9 917             | Pedagogy and Placement Learning 1A    | 4     | 40      |
| together with      |                                       |       |         |
| X9 909             | Educational Studies 1                 | 4     | 40      |
| or                 |                                       |       |         |
| X9 518             | Educational Studies 2                 | 5     | 40      |
| and either         |                                       |       |         |
| X9 900             | Pedagogy and Curriculum for Primary 1 | 4     | 40      |
| or                 |                                       |       |         |
| X9 516             | Pedagogy and Curriculum for Primary 2 | 5     | 40      |

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

18.122.12 All students shall undertake an approved curriculum as follows:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| X9 818             | Pedagogy and Placement Learning (Gaelic Medium) 1B    | 4     | 40      |
| together with      |   |       |         |
| X9 903             | Pedagogy and Curriculum for Primary (Gaelic Medium) 1 | 4     | 40      |
| or                 |   |       |         |
| X9 517             | Pedagogy and Curriculum for Primary (Gaelic Medium) 2 | 5     | 40      |
| and either         |   |       |         |
| X9 909             | Educational Studies 1                                 | 4     | 40      |
| or                 |   |       |         |
| X9 518             | Educational Studies 2                                 | 5     | 40      |

**Curriculum: Secondary Specialism**

18.122.13 All students shall undertake an approved curriculum as follows:

| Compulsory Classes |                                    | Level | Credits |
|--------------------|------------------------------------|-------|---------|
| X9 917             | Pedagogy and Placement Learning 1A | 4     | 40      |
| and either         |                                    |       |         |
| X9 909             | Educational Studies 1              | 4     | 40      |
| or                 |                                    |       |         |
| X9 518             | Educational Studies 2              | 5     | 40      |

together with classes in the chosen subject specialisation

*Art and Design*

|        |  |   |    |
|--------|--|---|----|
| X9 912 | Pedagogy and Curriculum Art and Design 1 | 4 | 40 |
| or     |  |   |    |
| X9 519 | Pedagogy and Curriculum Art and Design 2 | 5 | 40 |

*Biology with Science*

|        |  |   |    |
|--------|--|---|----|
| X9 920 | Pedagogy and Curriculum Biology with Science 1 | 4 | 40 |
| or     |  |   |    |
| X9 520 | Pedagogy and Curriculum Biology with Science 2 | 5 | 40 |

*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 |
| <i>Modern Languages (Spanish and French)</i> |   |   |    |
| X9 750                                       | Pedagogy and Curriculum Modern Languages (Spanish and French) 1 | 4 | 40 |
| or   |   |   |    |
| X9 539                                       | Pedagogy and Curriculum Modern Languages (Spanish and French) 2 | 5 | 40 |
| <i>Modern Studies</i>                        |   |   |    |
| X9 751                                       | Pedagogy and Curriculum Modern Studies 1                        | 4 | 40 |
| or   |   |   |    |
| X9 540                                       | Pedagogy and Curriculum Modern Studies 2                        | 5 | 40 |
| <i>Music</i>                                 |   |   |    |
| X9 752                                       | Pedagogy and Curriculum Music 1                                 | 4 | 40 |
| or   |   |   |    |
| X9 541                                       | Pedagogy and Curriculum Music 2                                 | 5 | 40 |
| <i>Physics with Science</i>                  |   |   |    |
| X9 753                                       | Pedagogy and Curriculum Physics with Science 1                  | 4 | 40 |
| or   |   |   |    |
| X9 542                                       | Pedagogy and Curriculum Physics with Science 2                  | 5 | 40 |
| <i>Physical Education</i>                    |   |   |    |
| X9 754                                       | Pedagogy and Curriculum Physical Education 1                    | 4 | 40 |
| or   |   |   |    |
| X9 543                                       | Pedagogy and Curriculum Physical Education 2                    | 5 | 40 |
| <i>Religious Education</i>                   |   |   |    |
| X9 755                                       | Pedagogy and Curriculum Religious Education 1                   | 4 | 40 |
| or   |   |   |    |
| X9 544                                       | Pedagogy and Curriculum Religious Education 2B                  | 5 | 40 |
| <i>Technological Education</i>               |   |   |    |
| X9 756                                       | Pedagogy and Curriculum Technological Education 1               | 4 | 40 |
| or   |   |   |    |
| X9 545                                       | Pedagogy and Curriculum Technological Education 2B              | 5 | 40 |

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

18.122.14 All students shall undertake an approved curriculum as follows:

|        |  |   |    |
|--------|--|---|----|
| X9 818 | Pedagogy and Placement Learning (Gaelic Medium) 1B | 4 | 40 |
|--------|--|---|----|



|            |                       |   |    |
|------------|-----------------------|---|----|
| 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 |
|--------|---|---|----|

|        |  |   |    |  |
|--------|--|---|----|--|
| or     |  |   |    |  |
| X9 552 | Pedagogy and Curriculum Geography (Gaelic Medium) 2                  | 5 | 40 |  |
|        | <i>History (Gaelic Medium)</i>                                       |   |    |  |
| X9 764 | Pedagogy and Curriculum History (Gaelic Medium) 1                    | 4 | 40 |  |
| or     |  |   |    |  |
| X9 553 | Pedagogy and Curriculum History (Gaelic Medium) 2                    | 5 | 40 |  |
|        | <i>Home Economics (Gaelic Medium)</i>                                |   |    |  |
| X9 765 | Pedagogy and Curriculum Home Economics (Gaelic Medium) 1             | 4 | 40 |  |
| and    |  |   |    |  |
| X9 554 | Pedagogy and Curriculum Home Economics (Gaelic Medium) 2             | 5 | 40 |  |
|        | <i>Mathematics (Gaelic Medium)</i>                                   |   |    |  |
| X9 766 | Pedagogy and Curriculum Mathematics (Gaelic Medium) 1                | 4 | 40 |  |
| or     |  |   |    |  |
| X9 555 | Pedagogy and Curriculum Mathematics (Gaelic Medium) 2                | 5 | 40 |  |
|        | <i>Modern Languages (French) (Gaelic Medium)</i>                     |   |    |  |
| X9 767 | Pedagogy and Curriculum Modern Languages (French) (Gaelic Medium) 1  | 4 | 40 |  |
| or     |  |   |    |  |
| X9 556 | Pedagogy and Curriculum Modern Languages (French) (Gaelic Medium) 2  | 5 | 40 |  |
|        | <i>Modern Languages (German) (Gaelic Medium)</i>                     |   |    |  |
| X9 768 | Pedagogy and Curriculum Modern Languages (German) (Gaelic Medium) 1  | 4 | 40 |  |
| or     |  |   |    |  |
| X9 557 | Pedagogy and Curriculum Modern Languages (German) (Gaelic Medium) 2  | 5 | 40 |  |
|        | <i>Modern Languages (Italian) (Gaelic Medium)</i>                    |   |    |  |
| X9 769 | Pedagogy and Curriculum Modern Languages (Italian) (Gaelic Medium) 1 | 4 | 40 |  |
| or     |  |   |    |  |
| X9 558 | Pedagogy and Curriculum Modern Languages (Italian) (Gaelic Medium) 2 | 5 | 40 |  |
|        | <i>Modern Languages (Spanish) (Gaelic Medium)</i>                    |   |    |  |
| X9 770 | Pedagogy and Curriculum Modern Languages (Spanish) (Gaelic Medium) 2 | 4 | 40 |  |
| or     |  |   |    |  |
| X9 559 | Pedagogy and Curriculum Modern Languages (Spanish) (Gaelic Medium) 2 | 5 | 40 |  |

|  |   |   |    |
|--|---|---|----|
| <i>Modern Languages (French and German) (Gaelic Medium)</i>  |   |   |    |
| X9 771   | Pedagogy and Curriculum Modern Languages (French and German) (Gaelic Medium) 1  | 4 | 40 |
| or   |   |   |    |
| X9 560   | Pedagogy and Curriculum Modern Languages (French and German) (Gaelic Medium) 2  | 5 | 40 |
| <i>Modern Languages (French and Italian) (Gaelic Medium)</i> |   |   |    |
| X9 772   | Pedagogy and Curriculum Modern Languages (French and Italian) (Gaelic Medium) 1 | 4 | 40 |
| or   |   |   |    |
| X9 561   | Pedagogy and Curriculum Modern Languages (French and Italian) (Gaelic Medium) 2 | 5 | 40 |
| <i>Modern Languages (French and Spanish) (Gaelic Medium)</i> |   |   |    |
| X9 773   | Pedagogy and Curriculum Modern Languages (French and Spanish) (Gaelic Medium) 1 | 4 | 40 |
| or   |   |   |    |
| X9 562   | Pedagogy and Curriculum Modern Languages (French and Spanish) (Gaelic Medium) 2 | 5 | 40 |
| <i>Modern Languages (German and French) (Gaelic Medium)</i>  |   |   |    |
| X9 774   | Pedagogy and Curriculum Modern Languages (German and French) (Gaelic Medium) 1  | 4 | 40 |
| or   |   |   |    |
| X9 563   | Pedagogy and Curriculum Modern Languages (German and French) (Gaelic Medium) 2  | 5 | 40 |
| <i>Modern Languages (Spanish and French) (Gaelic Medium)</i> |   |   |    |
| X9 775   | Pedagogy and Curriculum Modern Languages (Spanish and French) (Gaelic Medium) 1 | 4 | 40 |
| or   |   |   |    |
| X9 564   | Pedagogy and Curriculum Modern Languages (Spanish and French) (Gaelic Medium) 2 | 5 | 40 |
| <i>Modern Studies (Gaelic Medium)</i>                        |   |   |    |
| X9 776   | Pedagogy and Curriculum Modern Studies (Gaelic Medium) 1                        | 4 | 40 |
| or   |   |   |    |
| X9 565   | Pedagogy and Curriculum Modern Studies (Gaelic Medium) 2                        | 5 | 40 |
| <i>Music (Gaelic Medium)</i>                                 |   |   |    |
| X9 777   | Pedagogy and Curriculum Music (Gaelic Medium) 1                                 | 4 | 40 |
| or   |   |   |    |
| X9 566   | Pedagogy and Curriculum Music (Gaelic Medium) 2                                 | 5 | 40 |
| <i>Physics with Science (Gaelic Medium)</i>                  |   |   |    |
| X9 778   | Pedagogy and Curriculum Physics with Science                                    |   |    |

|  |   |   |    |
|--|---|---|----|
|  | (Gaelic Medium) 1   | 4 | 40 |
| or   |   |   |    |
| X9 567   | Pedagogy and Curriculum Physics with Science (Gaelic Medium) 2    | 5 | 40 |
| <i>Physical Education (Gaelic Medium)</i>      |   |   |    |
| 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 |
| <i>Religious Education (Gaelic Medium)</i>     |   |   |    |
| 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 |
| <i>Technological Education (Gaelic Medium)</i> |   |   |    |
| 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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| X7 868             | Making Mental Models of Literacies and Learning 2                         | 4     | 30      |
| X7 869             | The Enabling Net of Support for Literacies Learners 2                     | 4     | 30      |
| X7 870             | Expanding our Repertoire of Literacies Teaching and Learning Strategies 2 | 4     | 30      |
| X7 871             | Learning Worlds and Literacies 2  | 4     | 30      |

#### 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:

| Compulsory Class         | Level | Credits |
|--------------------------|-------|---------|
| ES 400      Dissertation | 4     | 30      |

#### 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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| 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.



18.123.17 The final overall assessment will be based on the aggregated results achieved in each of the 12 classes.

**Award**

18.123.18 **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.

18.124 to

18.127 (Numbers not used)

## Postgraduate Study

19

### 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:

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

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.

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

| <b>Progression</b>  | <b>Minimum Number of Credits Required</b> |
|---------------------|---|
| First – Second Year | 90  |

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.



19.1.46 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.

19.1.47 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.

19.1.48 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**

19.1.49 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:

| <b>Classification</b> | <b>Composite Mark</b> |
|-----------------------|-----------------------|
| Distinction           | 70 -100               |
| Merit                 | 60 – 69               |
| Award                 | 50 – 59               |

### **Award**

19.1.50 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| FS 933             | Essentials of Forensic Science 1*          | 5     | 20      |
| FS 934             | Essentials of Forensic Science 2*          | 5     | 10      |
| FS 905             | Essentials of Forensic Science: Practical* | 5     | 20      |
| FS 906             | Practical Crime Scene and Court Exercise   | 5     | 20      |

\* *These classes may be assessed conjointly.*

| Optional Classes                      | Level | Credits |
|---------------------------------------|-------|---------|
| No fewer than 50 credits chosen from: |       |         |

|        |  |   |    |
|--------|--|---|----|
| FS 935 | Forensic Biology 1*                      | 5 | 10 |
| FS 936 | Forensic Biology 2*                      | 5 | 20 |
| FS 937 | Forensic Chemistry 1*                    | 5 | 10 |
| FS 938 | Forensic Chemistry 2*                    | 5 | 20 |
| FS 909 | Specialist Topics in Forensic Science*   | 5 | 30 |
| FS 910 | Practical Examination in Optional Class* | 5 | 20 |

\* *These classes may be assessed conjointly but passed/failed separately.*

Students for the degree of MSc only:

|        |              |   |    |
|--------|--------------|---|----|
| 99 900 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

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

19.12.6

Regulations 19.1.25 – 19.1.33 shall apply.

19.12.7

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

### **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.

19.12.11

to 19.12.20 (Numbers not used.)

## **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                 | Level | Credits |
|------------------------------------|-------|---------|
| 99 908      Basic Forensic Science | 5     | 60      |

| Optional Classes | Level | Credits |
|------------------|-------|---------|
|------------------|-------|---------|

No fewer than 60 credits from:

|   |   |    |
|---|---|----|
| 99 905      Forensic Molecular Biology    | 5 | 40 |
| 99 906      Forensic Analytical Chemistry | 5 | 40 |
| 99 907      Specialist Topics             | 5 | 20 |

Such other classes as may be approved by the Course Director

Students for the degree of MSc only:

|                          |   |    |
|--------------------------|---|----|
| 99 900      Dissertation | 5 | 60 |
|--------------------------|---|----|

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

19.12.25 Regulations 19.1.25 – 19.1.33 shall apply.

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.

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

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

19.12.34 **Curriculum Structure**  
All students shall undertake an approved curriculum as follows:

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

| Compulsory Classes | Level                            | Credits |    |
|--------------------|----------------------------------|---------|----|
| FS 933             | Essentials of Forensic Science 1 | 5       | 10 |

|        |  |   |    |
|--------|--|---|----|
| FS 934 | Essentials of Forensic Science 2                           | 5 | 20 |
| FS 972 | Essentials of Forensic Science: Computer Based Experiments | 5 | 10 |
| FS 973 | Case Investigation Exercise                                | 5 | 10 |
| FS 974 | Fingerprints   | 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**

- 19.12.35 Regulations 19.1.19 – 19.1.20 shall apply.
- 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



| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| CH 9xx             | Modern Techniques in Organic Synthesis    | 5     | 20      |
| CH 9yy             | Co-factors and Biomolecule Analysis       | 5     | 20      |
| CH 9zz             | Advanced 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 9aa | 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

| Classes |                                     | Level | Credits |
|---------|-------------------------------------|-------|---------|
| CS 954  | Information Retrieval and Access    | 5     | 20      |
| CS 955  | Information Law                     | 5     | 10      |
| CS 957  | Research Methods                    | 5     | 10      |
| CS 959  | Library Technology and Systems      | 5     | 20      |
| CS 960  | Managing Information Services       | 5     | 20      |
| CS 961  | Organisation of Knowledge           | 5     | 20      |
| CS 962  | Libraries, Information, and Society | 5     | 20      |

Students for the degree of MSc only:

|        |         |   |    |
|--------|---------|---|----|
| CS 958 | Project | 5 | 60 |
|--------|---------|---|----|

#### 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.

- 19.13.8 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Information and Library Studies, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
- 19.13.9 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Information and Library Studies, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
- 19.13.10  
to 19.13.24 (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

| Classes                              |                                      | Level | Credits |
|--------------------------------------|--------------------------------------|-------|---------|
| CS 951                               | Information Systems Architecture     | 5     | 20      |
| CS 952                               | Database and Web Systems Development | 5     | 20      |
| CS 953                               | Service Management                   | 5     | 20      |
| CS 954                               | Information Retrieval and Access     | 5     | 20      |
| CS 955                               | Information Law                      | 5     | 10      |
| CS 956                               | Business Analytics                   | 5     | 20      |
| CS 957                               | Research Methods                     | 5     | 10      |
| Students for the degree of MSc only: |                                      |       |         |
| CS 958                               | Project                              | 5     | 60      |

#### Examination, Progress and Final Assessment

- 19.13.29 Regulations 19.1.25 – 19.1.33 shall apply.

19.13.30 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

| Compulsory Classes |                  | Level | Credits |
|--------------------|------------------|-------|---------|
| CS 957             | Research Methods | 5     | 10      |
| CS 969             | Personal Study   | 5     | 10      |

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*

|        |   |   |    |
|--------|---|---|----|
| CS 547 | Advanced Topics in Software Engineering | 5 | 20 |
| CS 548 | Designing Usable Systems                | 5 | 20 |
| CS 549 | Distributed Information Systems         | 5 | 20 |
| CS 551 | Mobile Software Applications            | 5 | 20 |
| CS 409 | Software Architecture and Design        | 4 | 20 |

#### *Enterprise Information Systems*

|        |                                  |   |    |
|--------|----------------------------------|---|----|
| CS 549 | Distributed Information Systems  | 5 | 20 |
| CS 951 | Information Systems Architecture | 5 | 20 |
| CS 953 | Service Management               | 5 | 20 |
| CS 954 | Information Retrieval and Access | 5 | 20 |
| CS 956 | Business Analytics               | 5 | 20 |

#### *Mobile Computing*

|        |                                  |   |    |
|--------|----------------------------------|---|----|
| CS 548 | Designing Usable Systems         | 5 | 20 |
| CS 549 | Distributed Information Systems  | 5 | 20 |
| CS 551 | Mobile Software and Applications | 5 | 20 |
| CS 965 | Computer Security                | 5 | 20 |
| CS 413 | Embedded Systems                 | 4 | 20 |

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

Students for the degree of MSc only:

|        |         |   |    |
|--------|---------|---|----|
| CS 958 | Project | 5 | 60 |
|--------|---------|---|----|

#### **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.

19.14.1 to  
19.14.99 (Numbers not used)

## 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                            | Level | Credits |
|---|-------|---------|
| No fewer than 60 credits chosen from List A |       |         |
| List A*                                     |       |         |
| MM 552 Applied Analysis and PDEs 1          | 5     | 15      |
| MM 554 Applied Mathematics Methods 1        | 5     | 15      |
| MM 556 Mathematical Models 1                | 5     | 15      |
| MM 558 Pure Analysis 1                      | 5     | 15      |
| MM 560 Statistics 1                         | 5     | 15      |
| MM 562 Probability 1                        | 5     | 15      |
| List B*                                     |       |         |
| MM 553 Applied Analysis and PDEs 2          | 5     | 15      |
| MM 555 Applied Mathematics Methods 2        | 5     | 15      |
| MM 557 Mathematical Models 2                | 5     | 15      |
| MM 559 Pure Analysis 2                      | 5     | 15      |

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

19.15.12 The courses are available by full-time or part-time study.

### Curriculum

19.15.13 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

|        |   | Credits | Level |
|--------|---|---------|-------|
| AG 910 | Principles of Finance                               | 5       | 20    |
| AG 912 | International Financial Markets and Banking         | 5       | 20    |
| MM 907 | Foundations of Mathematical and Statistical Finance | 5       | 20    |
| CS 9aa | Foundations of Computational Science                | 5       | 20    |

#### 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 | 10 |

##### List B

|        |  |   |    |
|--------|--|---|----|
| MM 9bb | Financial Game Theory and Network Analysis | 5 | 10 |
| MM 905 | Financial Econometrics                     | 5 | 10 |
| MM 904 | Financial Stochastic Processes             | 5 | 10 |

##### List C

|        |                                      |   |    |
|--------|--------------------------------------|---|----|
| CS XXX | Evolutionary Computation For Finance | 5 | 20 |
| CS952  | Database and Web Systems Development | 5 | 20 |
| CS956  | 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 9ff | Quantitative Research Projects | 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.

## 19.17 Department of Physics

19.17.1  
to 19.17.9 (Numbers not used)

### Advanced Physics

#### Postgraduate Diploma 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 from a United Kingdom university (in Physics 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

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

##### Curriculum

- 19.17.12 Students will follow a specialisation of one or a combination of two of the following:
- (i) Laser Physics, Optical Sciences and Technologies
  - (ii) Atomic, Molecular and Plasma Physics
  - (iii) Semiconductor and Solid State Physics
  - (iv) Computational Physics and Software Engineering

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 |                            | Level | Credits |
|--------------------|----------------------------|-------|---------|
| 12 901             | Project                    | 5     | 40      |
| 12 902             | Advanced Topics in Physics | 5     | 30      |

##### Optional Classes\*

No fewer than 50 credits of which at least 20 credits shall be from each of Lists A and B.

##### List A

|        |                            |   |    |
|--------|----------------------------|---|----|
| 12 903 | Research Assessment Skills | 5 | 10 |
| 12 904 | Research Skills 1          | 5 | 10 |

|        |   |   |    |
|--------|---|---|----|
| 12 905 | Research Skills 2                                     | 5 | 10 |
| List B |   |   |    |
| 12 906 | Physics in Society                                    | 5 | 10 |
| 12 907 | Communicating Physics                                 | 5 | 10 |
| 12 908 | Managing Technological Innovation                     | 5 | 10 |
| Z1 903 | Commercialisation of Technology<br>(Entrepreneurship) | 5 | 10 |

\* Additional classes may be selected, or required by the Course Director, to complete the student's curriculum. These classes will be taken from an approved list.

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

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

### **Award**

- 19.17.15 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Advanced Physics, a candidate must normally have accumulated no fewer than 120 credits, of which 40 must have been awarded in respect of the project.

### **Transfer**

- 19.17.16 A candidate for the Postgraduate Diploma who has performed at the level specified for the degree of MRes in Physics 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 Board of Examiners.  
 19.17.17  
 to 19.17.30 (Numbers not used)

## **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**

- 19.17.31 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**

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

### **Mode of Study**

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

### **Curriculum**

19.17.34 All students shall undertake an approved curriculum as follows:

| Classes* |  | Level | Credits |
|----------|--|-------|---------|
| PH 951   | Project Training                             | 5     | 20      |
| PH 970   | Advanced Electromagnetism and Dynamics       | 5     | 20      |
| 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

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

### Mode of Study

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

### Curriculum

- 19.17.44 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 project

| Compulsory Classes* |                             | Level | Credits |
|---------------------|-----------------------------|-------|---------|
| PH 950              | Research Skills             | 5     | 20      |
| PH 953              | Introductory Nanoscience    | 5     | 20      |
| PH 955              | Advanced Nanoscience 1      | 5     | 20      |
| PH 956              | Advanced Nanoscience 2      | 5     | 20      |
| CH 907              | Advanced Nanoscience 3      | 5     | 20      |
| either              |                             |       |         |
| PH 954              | Physics Conversion Course   | 5     | 20      |
| or                  |                             |       |         |
| CH 906              | Chemistry Conversion Course | 5     | 20      |

\* 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

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

### Award

- 19.17.47 **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.

- 19.17.48 **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.
- 19.17.49 **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.
- 19.17.50 (Number not used)

## 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                    |                                      | Level | Credits |
|---------------------------------------|--------------------------------------|-------|---------|
| PH 950                                | Research Skills                      | 5     | 20      |
| PH 951                                | Project Training                     | 5     | 20      |
| Optional Classes                      |                                      |       |         |
| No fewer than 80 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 959                                | Experimental Quantum and Atom Optics | 5     | 20      |

|        |  |   |    |
|--------|--|---|----|
| PH 960 | Advanced Topics in Photonics                   | 5 | 20 |
| PH 961 | Device Microfabrication-Principle and Practice | 5 | 20 |
| PH 962 | Photonic materials and devices                 | 5 | 20 |
| PH 963 | Advanced Photonic Devices and Applications     | 5 | 20 |
| EE 9XA | Optical Communication                          | 5 | 20 |

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

Students for the degree of MSc only:

|        |         |   |    |
|--------|---------|---|----|
| PH 952 | Project | 5 | 60 |
|--------|---------|---|----|

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

19.17.55

Regulations 19.1.25 – 19.1.33 shall apply..

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:
- 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* |  | Level | Credits |
|---------------------|--|-------|---------|
| PH 950              | Research Skills                                | 5     | 20      |
| PH 951              | Project Training                               | 5     | 20      |
| PH 957              | Topics in Photonics                            | 5     | 20      |
| PH 961              | Device Microfabrication-Principle and Practice | 5     | 20      |
| PH 962              | Photonic Materials and Devices                 | 5     | 20      |
| PH 963              | Advanced Photonic Devices and Applications     | 5     | 20      |

\*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

- 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**

- 19.17.67 **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.
- 19.17.68 **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.
- 19.17.69 **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
- 19.17.70 (Number not used)

## **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**

- 19.17.71 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**

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

### **Mode of Study**

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

### **Curriculum**

- 19.17.74 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  
for the degree of MSc – no fewer than 180 credits including a project

| Compulsory Classes* |                  | Level | Credits |
|---------------------|------------------|-------|---------|
| PH 950              | Research Skills  | 5     | 20      |
| PH 951              | Project Training | 5     | 20      |

|        |   |   |    |
|--------|---|---|----|
| PH 959 | Experimental Quantum and Atom Optics                  | 5 | 20 |
| 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:

| Compulsory Classes |                    | Level | Credits |
|--------------------|--------------------|-------|---------|
| PH 9xa             | Group Project      | 5     | 30      |
| PH 9xb             | Individual Project | 5     | 30      |
| PH 9xc             | Accelerators       | 5     | 5       |

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 9xe | Plasma Physics A                 | 5 | 5 |
| PH 9xf | 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  
19.21 (Numbers not used)

## 19.22 Strathclyde Institute of Pharmacy and Biomedical Sciences

### 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                                |  | Level | Credits |
|---|--|-------|---------|
| MP 983  | Chemical and Spectrophotometric Analysis   | 5     | 20      |
| MP 984  | Introduction to Separation Techniques      | 5     | 20      |
| MP 985  | Structure Elucidation Techniques           | 5     | 20      |
| MP 986  | Advanced Separation Techniques             | 5     | 20      |
| MP 999  | Validation, quality management and control | 5     | 20      |
| MP 987  | Bioanalytical Methods                      | 5     | 20      |
| In addition, students for the degree of MSc only: |  |       |         |
| MP 922  | Research Project                           | 5     | 60      |

### **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  
to 19.22.20 (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:

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

| Classes |                       | Level | Credits |
|---------|-----------------------|-------|---------|
| MP 923  | Clinical Induction    | 5     | 20      |
| MP 924  | Clinical Assignment 1 | 5     | 20      |
| MP 925  | Health Service Skills | 5     | 20      |
| MP 926  | Clinical Assignment 2 | 5     | 20      |
| MP 927  | Clinical Assignment 3 | 5     | 20      |
| MP 928  | Clinical Assignment 4 | 5     | 20      |

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

19.22.25 Regulations 19.1.25 – 19.1.33 shall apply.

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

### **Award**

19.22.27 **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

| Compulsory Classes                  |   | Level | Credits |
|-------------------------------------|---|-------|---------|
| MP 916                              | Spectrophotometric and Spectroscopic Methods                    | 5     | 20      |
| MP 917                              | Chromatography : Principles, Application and Method Development | 5     | 20      |
| MP 918                              | Chemical and Spectroscopic Methods                              | 5     | 20      |
| MP 919                              | Bioanalysis, Biotechnology and Quality Management               | 5     | 20      |
| MP 920                              | Chemical and Statistical Analysis: Principles and Application   | 5     | 20      |
| MP 921                              | Chromatographic and Bioanalytical Methods                       | 5     | 20      |
| 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

| Compulsory Classes   | Level | Credits |
|--|-------|---------|
| MP 971      Pharmaceutical Quality and Good Manufacturing Practice (Part 1A) | 5     | 40      |
| MP 973      Pharmaceutical Quality and Good Manufacturing Practice (Part 1B) | 5     | 20      |

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

|   |   |    |
|---|---|----|
| MP 972      Pharmaceutical Quality and Good | 5 | 40 |
|---|---|----|

|        |   |   |    |
|--------|---|---|----|
| MP 974 | Manufacturing Practice (Part 2A)<br>Pharmaceutical Quality and Good<br>Manufacturing Practice (Part 2B) | 5 | 20 |
|        | Students for the degree of MSc only   |   |    |
| MP 975 | Pharmaceutical Quality and Good<br>Manufacturing Practice (Project)                                     | 5 | 60 |

### **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 |   | Level | Credits |
|--------------------|---|-------|---------|
| MP 931             | Generic Biomedical And Pharmaceutical Research Skills | 5     | 20      |
| BM 903             | Practice and Application of Biomedical Sciences       | 5     | 20      |

#### 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**

19.22.105 Regulations 19.1.25 – 19.1.33 shall apply.

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                                    | Level | Credits |
|---|-------|---------|
| MP 931  |       |         |
| Generic Biomedical And Pharmaceutical Research Skills | 5     | 20      |
| BM917   |       |         |
| Microbes, proteins and enzymes                        | 5     | 20      |
| BM908   |       |         |
| Laboratory Methods in Biotechnology                   | 5     | 20      |
| BM909   |       |         |
| Applications and commercialization in Biotechnology   | 5     | 20      |
| <i>Optional classes</i>                               |       |         |
| BM910   |       |         |
| Fermentation and Microbial Exploitation               | 5     | 20      |
| BM911   |       |         |
| Molecular Biology, Bioinformatics and Genomics        | 5     | 20      |
| BM 912  |       |         |
| Biocatalysis and Bioprocessing                        | 5     | 20      |

Students for the degree of MSc only

**Examination, Progress and Final Assessment**

- 19.22.125 Regulations 19.1.25 – 19.1.33 shall apply.
- 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      |   | Level | Credits |
|-------------------------|---|-------|---------|
| MP 931                  | Generic Biomedical And Pharmaceutical Research Skills | 5     | 20      |
| MP990                   | Practice and Application of Pharmaceutical Sciences   | 5     | 20      |
| <i>Optional Classes</i> |   | Level | Credits |
| MP992                   | Advanced Drug Delivery Methods & Topics               | 5     | 20      |
| MP993                   | Advanced Formulation Methods & Topics                 | 5     | 20      |
| MP994                   | Advanced Drug Discovery Methods & Topics              | 5     | 20      |
| MP995                   | Advanced Toxicology Methods & Topics                  | 5     | 20      |
| BM907                   | Advanced Biomedical Methods 1                         | 5     | 20      |
| BM914                   | Advanced Biomedical Methods 2                         | 5     | 20      |
| BM904                   | Advanced Biomedical Topics 1                          | 5     | 20      |
| BM905                   | Advanced Biomedical Topics 2                          | 5     | 20      |

Students for the degree of MSc only

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| MP991 | Pharmaceutical Sciences Project | 5 | 60 |
|-------|---------------------------------|---|----|

### **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 Continuous Manufacturing and Crystallisation**

#### **Postgraduate Diploma in Continuous Manufacturing and Crystallisation**

#### **Postgraduate Certificate in Continuous Manufacturing and Crystallisation**

### **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              |
| <i>For part-time study</i>        |                        |
| 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

| Compulsory Classes      |   | Level | Credits |
|-------------------------|---|-------|---------|
| MP 931                  | Generic Biomedical And Pharmaceutical Research Skills             | 5     | 20      |
| CH520                   | Process Analytical Chemistry                                      | 5     | 10      |
| CH9XX                   | Design of Experiments and Multivariate Analysis                   | 5     | 10      |
| MP9XX                   | Crystallisation and Formulation for Manufacture                   | 5     | 20      |
| MP9XX                   | Continuous Manufacturing of Pharmaceutical Particles and Products | 5     | 20      |
| <i>Optional classes</i> |   |       |         |

All students shall undertake 20 credits from the following classes:

|       |                     |   |    |
|-------|---------------------|---|----|
| CP520 | Membrane Technology | 5 | 10 |
| EF931 | Project Management  | 5 | 10 |
| CP525 | Nanotechnology      | 5 | 10 |
| CP942 | Safety Management   | 5 | 10 |

All students shall undertake 20 credits from the following classes:

|       |                                   |   |    |
|-------|-----------------------------------|---|----|
| DM920 | Strategic Technology Management   | 5 | 10 |
| DM926 | Supply Chain Operations           | 5 | 10 |
| DM927 | Strategic Supply Chain Management | 5 | 10 |
| DM945 | Systems Thinking and Modelling    | 5 | 10 |

Students for the degree of MSc only

**Examination, Progress and Final Assessment**

19. 22.170 Regulations 19.1.25 – 19.1.33 shall apply.

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)

## 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 |
|---|-------|---------|
| <i>Crime Scene Investigation</i>                    |       |         |
| FS 951 Crime Scene Investigation: Theory            | 5     | 60      |
| <i>Document Examination</i>                         |       |         |
| FS 960 Document Examination: Theory                 | 5     | 60      |
| <i>Fire Investigation</i>                           |       |         |
| FS 954 Fire Investigation: Theory                   | 5     | 60      |
| <i>Firearms Examination</i>                         |       |         |
| FS 957 Firearms Examination: Theory                 | 5     | 60      |
| <i>Forensic Imaging</i>                             |       |         |
| FS 963 Forensic Imaging: Theory                     | 5     | 60      |
| <i>Forensic Toxicology</i>                          |       |         |
| FS 966 Forensic Toxicology: Theory                  | 5     | 60      |
| <i>Identity Document Examination</i>                |       |         |
| 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):

|   |   |    |
|---|---|----|
| <i>Crime Scene Investigation</i>            |   |    |
| FS 952 Crime Scene Investigation: Practical | 5 | 30 |
| FS 953 Crime Scene Investigation: Oral      | 5 | 30 |
| <i>Document Examination</i>                 |   |    |
| FS 961 Document Examination: Practical      | 5 | 30 |
| FS 962 Document Examination: Oral           | 5 | 30 |
| <i>Fire Investigation</i>                   |   |    |
| FS 955 Fire Investigation: Practical        | 5 | 30 |
| FS 956 Fire Investigation: Oral             | 5 | 30 |
| <i>Firearms Examination</i>                 |   |    |
| FS 958 Firearms Examination: Practical      | 5 | 30 |
| FS 959 Firearms Examination: Oral           | 5 | 30 |

|                         |                             |   |    |
|-------------------------|-----------------------------|---|----|
| <i>Forensic Imaging</i> |                             |   |    |
| FS 964                  | Forensic Imaging: Practical | 5 | 30 |
| FS 965                  | Forensic Imaging: Oral      | 5 | 30 |

|                            |                                |   |    |
|----------------------------|--------------------------------|---|----|
| <i>Forensic Toxicology</i> |                                |   |    |
| FS 967                     | Forensic Toxicology: Practical | 5 | 30 |
| FS 968                     | Forensic Toxicology: Oral      | 5 | 30 |

|                                      |  |   |    |
|--------------------------------------|--|---|----|
| <i>Identity Document Examination</i> |  |   |    |
| 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):

|                                  |   |   |    |
|----------------------------------|---|---|----|
| <i>Crime Scene Investigation</i> |   |   |    |
| FS 969                           | Crime Scene Investigation: Dissertation | 5 | 60 |

|                             |                                    |   |    |
|-----------------------------|------------------------------------|---|----|
| <i>Document Examination</i> |                                    |   |    |
| FS 940                      | Document Examination: Dissertation | 5 | 60 |

|                           |                                  |   |    |
|---------------------------|----------------------------------|---|----|
| <i>Fire Investigation</i> |                                  |   |    |
| FS 978                    | Fire Investigation: Dissertation | 5 | 60 |

|                             |                                    |   |    |
|-----------------------------|------------------------------------|---|----|
| <i>Firearms Examination</i> |                                    |   |    |
| FS 939                      | Firearms Examination: Dissertation | 5 | 60 |

|                         |                                |   |    |
|-------------------------|--------------------------------|---|----|
| <i>Forensic Imaging</i> |                                |   |    |
| FS 970                  | Forensic Imaging: Dissertation | 5 | 60 |

|                            |                                   |   |    |
|----------------------------|-----------------------------------|---|----|
| <i>Forensic Toxicology</i> |                                   |   |    |
| FS 941                     | Forensic Toxicology: Dissertation | 5 | 60 |

|                                      |   |   |    |
|--------------------------------------|---|---|----|
| <i>Identity Document Examination</i> |   |   |    |
| 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.

- 19.23.10 **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.
- 19.23.11 **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.

## **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.

19.24

to 19.30.89 (Numbers not used)

### **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

| Classes                              |  | Level | Credits |
|--------------------------------------|--|-------|---------|
| 48 913                               | IT in Business                                   | 5     | 12      |
| 52 901                               | Programming in Java                              | 5     | 24      |
| 52 902                               | Fundamentals of Computer Systems                 | 5     | 12      |
| 52 903                               | Communications, Theory and Practice              | 5     | 12      |
| 52 904                               | Advanced Design Issues                           | 5     | 12      |
| EE 932                               | Electronic Data Acquisition                      | 5     | 24      |
| EE 933                               | Embedded Computer Systems                        | 5     | 12      |
| EE 934                               | Digital Signal Processing and Multimedia Systems | 5     | 12      |
| EE 935                               | Digital Communications Systems                   | 5     | 12      |
| 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

| <b>Compulsory Class</b> |                | Level | Credits |
|-------------------------|----------------|-------|---------|
| AB975                   | Sustainability | 5     | 10      |

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.

**Named Pathways**

19.40.7 **Sustainable Engineering: Building Design and Management**

Compulsory Classes\*

|        |   |   |    |
|--------|---|---|----|
| 22 563 | Ecology, Sustainability and the Built Environment | 5 | 10 |
| AB 9xx | Construction Project Management                   | 5 | 10 |
| ME 922 | Energy Resources and Policy                       | 5 | 10 |

**Sustainable Engineering: Chemical Processing**

Optional Classes\*

|        |                                    |   |    |
|--------|------------------------------------|---|----|
| CP 906 | Colloid Engineering 2              | 5 | 10 |
| CP 917 | Process Design Principles          | 5 | 10 |
| CP 918 | Safety Management Practices        | 5 | 10 |
| CP 919 | Programming & Optimisation         | 5 | 10 |
| CP 921 | Emerging Technologies              | 5 | 10 |
| CP 938 | Environmental Control Technologies | 5 | 10 |
| CP 939 | Energy Systems                     | 5 | 10 |

**Sustainable Engineering: Marine Technology**

Optional Classes\*

|        |  |   |    |
|--------|--|---|----|
| NM 947 | Modelling and Optimisation in Design     | 5 | 10 |
| NM 950 | Maritime Safety and Risk                 | 5 | 10 |
| NM 958 | Risers and Mooring Lines                 | 5 | 10 |
| NM 962 | Advanced Marine Structures               | 5 | 10 |
| NM 975 | Computational Free Surface Hydrodynamics | 5 | 10 |

**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:

| Compulsory Classes: |  | Level | Credits |
|---------------------|--|-------|---------|
| CL 931              | Research Protocols for Science and Engineering | 5     | 10      |
| and either          |  |       |         |
| DM 933              | Engineering Risk Management                    | 5     | 10      |
| or                  |  |       |         |
| EF 931              | Project Management                             | 5     | 10      |

#### **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)

## Faculty of Engineering

### Engineering Project Management

#### MSc in Engineering Project Management

#### Postgraduate Diploma in Engineering Project Management

#### Postgraduate Certificate in Engineering Project Management

#### Course Regulations

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

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

|        |  | Level | Credits |
|--------|--|-------|---------|
| EF 927 | Design Management                                      | 5     | 10      |
| EF 932 | Risk Management  | 5     | 10      |
| CP 941 | Understanding Financial Information                    | 5     | 10      |
| EF 935 | Project Management                                     | 5     | 10      |
| EF 9xx | Commercial Management                                  | 5     | 10      |
| DM 935 | Management of Total Quality and Continuous Improvement | 5     | 10      |

##### List B: Specialist Classes

|        |                          |   |    |
|--------|--------------------------|---|----|
| ME 919 | Electrical Power Systems | 5 | 10 |
|--------|--------------------------|---|----|

|        |  |   |    |
|--------|--|---|----|
| ME 921 | Environmental Performance and Related Technologies | 5 | 10 |
| ME 922 | Energy Resources and Policy                        | 5 | 10 |
| ME 924 | Power Plant Systems                                | 5 | 10 |
| ME 926 | Nuclear Power Systems                              | 5 | 10 |

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)

**19.41 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

| Classes                      | Level | Credits |
|------------------------------|-------|---------|
| AB 964 Design Studies 5A     | 5     | 20      |
| AB 965 Design Studies 5B     | 5     | 40      |
| AB 966 Special Study Project | 5     | 20      |
| AB 967 Cultural Studies 5    | 5     | 20      |
| AB 968 Professional Studies  | 5     | 20      |

Such other classes as may be approved by the Course Director

Students for the degree of MSc only:

|                |   |    |
|----------------|---|----|
| 22 900 Project | 5 | 60 |
|----------------|---|----|

**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**

### **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 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.
  - (iii) additionally, applicants must hold entry qualifications which meet the current requirement for professional accreditation.
- 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**

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



| Classes  |                         | Level | Credits |
|--|-------------------------|-------|---------|
| AB 964   | Design Studies 5A       | 5     | 20      |
| AB 965   | Design Studies 5B       | 5     | 40      |
| AB 966   | Special Study Project 5 | 5     | 20      |
| AB 967   | Cultural Studies 5      | 5     | 20      |
| AB 968   | Professional Studies    | 5     | 20      |
| Such other classes as may be 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.

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

### **Award**

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, 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 taught classes of the course.

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 taught classes of the course.

19.41.20 (Number not used)

## **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:

| Compulsory Classes |                         | Level | Credits |
|--------------------|-------------------------|-------|---------|
| AB 418             | Design Studies 4A       | 4     | 20      |
| AB 419             | Design Studies 4B       | 4     | 40      |
| AB 420             | Cultural Studies 4      | 4     | 40      |
| AB 421             | Special Study Project 4 | 4     | 20      |

### **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.

| Classes |                         | Level | Credits |
|---------|-------------------------|-------|---------|
| AB 964  | Design Studies 5A       | 5     | 20      |
| AB 965  | Design Studies 5B       | 5     | 40      |
| AB 966  | Special Study Project 5 | 5     | 20      |
| AB 967  | Cultural Studies 5      | 5     | 20      |
| AB 968  | Professional Studies    | 5     | 20      |

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.

19.41.33

to 19.41.140 (Numbers not used)

## 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

| Classes |   | Level | Credits |
|---------|---|-------|---------|
| List A  |   |       |         |
| AB 931  | Urban Design Studio 1a: Analysis            | 5     | 10      |
| AB 932  | Urban Design Studio 1b: Programme           | 5     | 10      |
| AB 973  | Urban Design Studio 2: Framework and Coding | 5     | 20      |
| AB 974  | Urban Design Studio 3: Masterplanning       | 5     | 20      |
| AB 936  | Urban Design History                        | 5     | 10      |
| AB 943  | Real Estate Development                     | 5     | 10      |
| AB 946  | Urban Design Policy and Practice            | 5     | 10      |

|        |   |  |   |    |
|--------|---|--|---|----|
| either |   |  |   |    |
| AB 939 | Urban Theory                            |  | 5 | 10 |
| or     |   |  |   |    |
| CL 966 | Principles of Sustainability            |  | 5 | 10 |
| or     |   |  |   |    |
| EF 928 | Environmental Impact and Sustainability |  | 5 | 10 |

List B

No fewer than 20 credits chosen from:

|        |  |  |   |    |
|--------|--|--|---|----|
| AB 935 | Urban Landscape Design                   |  | 5 | 10 |
| AB 938 | Urban Design Representation              |  | 5 | 10 |
| 17 540 | Transport Development and Sustainability |  | 5 | 10 |
| EF 902 | Project Work and Project Management      |  | 5 | 10 |
| EF XXX | Financial Engineering                    |  | 5 | 10 |

Students for the degree of MSc only:

|        |                      |  |   |    |
|--------|----------------------|--|---|----|
| AB 947 | Dissertation Project |  | 5 | 60 |
|--------|----------------------|--|---|----|

**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 and, if required, in an oral examination.

**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.

| Compulsory Classes                    |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| 22 563                                | Ecology, Sustainability and the Built Environment | 5     | 10      |
| AB 930                                | Construction Project Management                   | 5     | 10      |
| EF xxx                                | Sustainability                                    | 5     | 10      |
| CL 931                                | Research Protocols in Science and Engineering     | 5     | 10      |
| Optional Classes                      |   |       |         |
| No fewer than 20 credits chosen from: |   |       |         |
| CL 955                                | Environmental Management Systems                  | 5     | 10      |
| CL 956                                | Environmental Business Strategy                   | 5     | 10      |
| EF 931                                | Project Management                                | 5     | 10      |
| EF 932                                | Risk Management                                   | 5     | 10      |
| EF 933                                | Design Management                                 | 5     | 10      |
| EF 939                                | Environmental Impact Assessment                   | 5     | 10      |

#### **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.

## 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| <i>either</i>      |  |       |         |
| BE911              | Engineering Science                            | 5     | 20      |
| <i>or</i>          |  |       |         |
| BE915              | Medical Science for Engineering                | 5     | 20      |
| BE918              | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919              | Research Methodology                           | 5     | 10      |
| BE909              | Biomedical Electronics                         | 5     | 10      |
| BE908              | Biomedical Instrumentation                     | 5     | 10      |

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

|       |                      |   |    |
|-------|----------------------|---|----|
| BE912 | Anatomy & Physiology | 5 | 10 |
|-------|----------------------|---|----|

### 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| 59 906             | Introductory Pharmacology                      | 5     | 20      |
| BE915              | Medical Science for Engineering                | 5     | 20      |
| BE918              | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919              | Research Methodology                           | 5     | 10      |
| MP 942             | Advanced Techniques in Biomedical Research     | 5     | 10      |
| BM 919             | Medical Genomics                               | 5     | 10      |
| BE909              | Biomedical Electronics                         | 5     | 10      |

Students for the degree of MSc only:

|       |                                  |   |    |
|-------|----------------------------------|---|----|
| BE910 | EngD/MSc Medical Devices Project | 5 | 20 |
| BE908 | Biomedical Instrumentation       | 5 | 10 |

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

Students for the Postgraduate Diploma only

|       |                                    |   |    |
|-------|------------------------------------|---|----|
| BE914 | PGDip Medical Devices Dissertation | 5 | 20 |
|-------|------------------------------------|---|----|

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

**Optional Classes**

|        |  |   |    |
|--------|--|---|----|
| 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 |

### **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.
- 19.42.90 (Number not used)

## **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.

| Compulsory Classes |                                    | Level | Credits |
|--------------------|------------------------------------|-------|---------|
| 65 951             | Research Methodology in Healthcare | 5     | 18      |
| <i>and either</i>  |                                    |       |         |
| 65 949             | Case Studies in Medical Technology | 5     | 18      |
| <i>or</i>          |                                    |       |         |
| 65 950             | Elements of Medical Science        | 5     | 18      |

### 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

19.42.128 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               | Level | Credits |
|----------------------------------|-------|---------|
| 94 938      Research Methodology | 5     | 20      |
| 94 915      Data Analysis        | 5     | 20      |

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*                                       | Level | Credits |
|--|-------|---------|
| List A   |       |         |
| 94 927      Clinical Governance                | 5     | 20      |
| 94 928      Introductory Biomechanics          | 5     | 20      |
| List B   |       |         |
| 94 905      Prosthetic Studies++               | 5     | 20      |
| 94 937      Advanced Prosthetic Science+       | 5     | 20      |
| 94 929      Lower Limb Prosthetic Biomechanics | 5     | 20      |
| List C   |       |         |
| 94 904      Orthotic Studies++                 | 5     | 20      |
| 94 935      Advanced Orthotic Science+         | 5     | 20      |
| 94 930      Lower Limb Orthotic Biomechanics   | 5     | 20      |
| List D   |       |         |
| 94 904      Orthotic Studies ++                | 5     | 20      |
| 94 905      Prosthetic Studies ++              | 5     | 20      |
| 94 927      Clinical Governance                | 5     | 20      |
| 94 928      Introductory Biomechanics          | 5     | 20      |
| 94 929      Lower Limb Prosthetic Biomechanics | 5     | 20      |
| 94 930      Lower Limb Orthotic Biomechanics   | 5     | 20      |
| 94 936      Clinical Gait Analysis             | 5     | 20      |
| 94 937      Advanced Prosthetic Science+       | 5     | 20      |

|   |   |   |    |
|---|---|---|----|
| 94 935  | Advanced Orthotic Science+                                  | 5 | 20 |
| * With the permission of the Course Director, students may be permitted to substitute another approved class. |   |   |    |
| +   | Available to professional Prosthetists and Orthotists only. |   |    |
| ++  | Not available to professional Prosthetists and Orthotists   |   |    |

Students for the degree of MSc only:

|        |         |   |    |
|--------|---------|---|----|
| 94 900 | Project | 5 | 60 |
|--------|---------|---|----|

### **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.

19.42.134 to

19.42.199 (numbers not used)

**19.43 Department of Chemical and Process Engineering**

**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* |  | Level | Credits |
|------------------------------|--|-------|---------|
| CP 917                       | Process Design Principles                    | 5     | 10      |
| CP 918                       | Safety Management Practices                  | 5     | 10      |
| CP 919                       | Programming and Optimisation                 | 5     | 10      |
| CP 920                       | Modelling and Simulation                     | 5     | 10      |
| CP 921                       | Emerging Technologies                        | 5     | 10      |
| CP 922                       | IPR Management                               | 5     | 10      |
| CP 923                       | Process Safety Design                        | 5     | 10      |
| CP 924                       | Environmental Engineering and Management     | 5     | 10      |
| CP 925                       | Petrochemical Engineering                    | 5     | 10      |
| CP 926                       | Multi-Phase Processing                       | 5     | 10      |
| CP 927                       | Process Control Strategies                   | 5     | 10      |
| CP 952                       | Colloid Engineering                          | 5     | 10      |
| CP 950                       | Modern Process Measurements                  | 5     | 10      |
| CP951                        | Nanotechnology                               | 5     | 10      |
| CP 953                       | Membrane Technology                          | 5     | 10      |
| CP 954                       | Communicating Science and Technology         | 5     | 10      |
| CP 955                       | Molecular simulation in chemical engineering | 5     | 10      |
| CP 956                       | Nuclear Engineering                          | 5     | 10      |
| CP 957                       | Fuel Cells                                   | 5     | 10      |

| List B – Chemical Technology* |  |   |    |
|-------------------------------|--|---|----|
| CP 917                        | Process Design Principles              | 5 | 10 |
| CP 918                        | Safety Management Practices            | 5 | 10 |
| CP 919                        | Programming and Optimisation           | 5 | 10 |
| CP 921                        | Emerging Technologies                  | 5 | 10 |
| CP 922                        | IPR Management                         | 5 | 10 |
| CP 928                        | Laboratory Management                  | 5 | 10 |
| CP 929                        | Analytical Techniques and Automation   | 5 | 10 |
| CP 930                        | Management of Technological Innovation | 5 | 10 |
| CP 950                        | Modern Process Measurements            | 5 | 10 |
| CP951                         | Nanotechnology                         | 5 | 10 |
| CP 957                        | Fuel Cells                             | 5 | 10 |
| CP 953                        | Membrane Technology                    | 5 | 10 |
| CP 954                        | Communicating Science and Technology   | 5 | 10 |

| List C – Business, Management and IT* |                                     |   |    |
|---------------------------------------|-------------------------------------|---|----|
| CP 931                                | Understanding Financial Information | 5 | 10 |
| CP 932                                | Managing People                     | 5 | 10 |
| CP 933                                | Project Management                  | 5 | 10 |
| CP 934                                | Business and Technology Strategy    | 5 | 10 |
| CP 935                                | IT Systems and Strategy             | 5 | 10 |

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

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

|        |         |   |    |
|--------|---------|---|----|
| CP 936 | Project | 5 | 60 |
|--------|---------|---|----|

### **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

| List A* |                                    | Level | Credits |
|---------|------------------------------------|-------|---------|
| CP 846  | Petrochemical Engineering          | 5     | 10      |
| CP 937  | Multi Phase Processing             | 5     | 10      |
| CP 938  | Environmental Control Technologies | 5     | 10      |
| CP 939  | Energy Systems                     | 5     | 10      |
| CP 940  | Emerging Technologies              | 5     | 10      |
| CP 942  | Safety Management Practices        | 5     | 10      |
| CP 943  | Programming and Optimisation       | 5     | 10      |
| CP 944  | Process Safety Design              | 5     | 10      |
| CP 945  | Process Design Principles          | 5     | 10      |
| CP 947  | Colloid Engineering                | 5     | 10      |

List B\*

|        |                                     |   |    |
|--------|-------------------------------------|---|----|
| CP 941 | Understanding Financial Information | 5 | 10 |
| EF 930 | Information Management              | 5 | 10 |
| EF 931 | Project Management                  | 5 | 10 |
| EF 932 | Risk Management                     | 5 | 10 |

\*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.

## 19.44 Department of Civil and Environmental Engineering

### 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

| Compulsory Classes  |   | Level | 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 Level 5 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 |  |   |    |  |
| AB 963 | Lean Planning, Control and Whole-life cost appraisal of Construction Projects              | 5 | 12 |  |
| CL 932 | Technology Transfer and Innovation to Developing and Emerging Economies                    | 5 | 20 |  |
| CL 933 | Engineering and project analysis: Theory & practice for building & infrastructure projects | 5 | 20 |  |

### **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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 904             | Waste Management and Landfill Design           | 5     | 10      |
| CL 906             | Site Investigation and Risk Assessment         | 5     | 10      |
| CL 931             | Research Protocols for Science and Engineering | 5     | 10      |
| CL 948             | Principles of Environmental Microbiology       | 5     | 10      |
| CL 975             | Environmental Chemistry                        | 5     | 10      |

### Optional Classes

No fewer than 70 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| CL 507 | Ground Improvement and Reinforcement                | 5 | 10 |
| CL 970 | Environmental Pollution Management                  | 5 | 10 |
| CL 971 | Air Pollution, Climate Change & Human Health        | 5 | 10 |
| CL 947 | Climate Change Mitigation and Adaptation            | 5 | 10 |
| CL 954 | Contaminated Land                                   | 5 | 10 |
| CL 956 | Environmental Business Strategy                     | 5 | 10 |
| CL 960 | Fundamentals of Environmental Forensics             | 5 | 10 |
| CL 961 | Geographical Information Systems (GIS)              | 5 | 10 |
| EV 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 946 | Global Water Policy                                 | 5 | 10 |
| CL 935 | Hydrogeology  | 5 | 10 |
| CL 9XX | Water & Wastewater Treatment Design                 | 5 | 10 |
| CL 973 | Independent Study in Collaboration with Industry    | 5 | 10 |
| M9 850 | International Environmental Law                     |   |    |

\*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 944 | Project in Environmental Engineering | 5 | 60 |
|--------|--------------------------------------|---|----|

### 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, 60 credits compulsory classes and 60 credits optional classes.
  - for the degree of MSc – no fewer than 180 credits, 60 credits compulsory classes, 60 credits optional classes, and a 60 credits project

| Compulsory Classes                    |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| <i>Environmental classes</i>          |   |       |         |
| CL 974                                | Sustainable Transformation & Accountability             | 5     | 10      |
| CL 957                                | Qualitative and Quantitative Research Methods           | 5     | 10      |
| <i>Entrepreneurship classes</i>       |   |       |         |
| CL 929                                | Client-Based Environmental Entrepreneurship in Practice | 5     | 20      |
| Z1 931                                | Entrepreneurship, Innovation and Commercialisation      | 5     | 10      |
| Z1938                                 | New Venture Creation                                    | 5     | 10      |
| Optional Classes                      |   |       |         |
| No fewer than 60 credits chosen from: |   |       |         |
| <i>Environmental classes</i>          |   |       |         |
| CL 972                                | Sustainability & Strategic Environmental Assessment     | 5     | 20      |
| CL 947                                | Climate Change Mitigation and Adaptation                | 5     | 10      |
| CL 955                                | Environmental Management Systems                        | 5     | 10      |
| CL 956                                | Environmental Business Strategy                         | 5     | 10      |
| CL 958                                | Recent Trends in Technological Progress                 | 5     | 10      |
| CL 964                                | Principles of Sustainability                            | 5     | 10      |
| DM 943                                | Sustainable Product Design and Manufacturing            | 5     | 10      |
| EC 927                                | Environmental Economics                                 | 5     | 10      |
| EV 905                                | Ecology, Biodiversity and Sustainability                | 5     | 10      |
| EV 908                                | Pollution and Rehabilitation of Degraded Ecosystems     | 5     | 10      |
| ME 927                                | Energy Resources and Policy                             | 5     | 10      |
| ME 929                                | Electrical Power Systems                                | 5     | 10      |
| ME 930                                | Energy Modelling and Monitoring                         | 5     | 10      |
| M9 929                                | UK and EU Environmental Law                             | 5     | 10      |
| NM 969                                | Renewable Marine Energy Systems                         | 5     | 10      |
| EV 939                                | Environmental Impact Assessment                         | 5     | 10      |
| CL 946                                | Global Water Policy                                     | 5     | 10      |
| CL 969                                | Contaminated Land Management                            | 5     | 10      |
| M9 850                                | International Environmental Law                         | 5     | 10      |
| EC 922                                | Principles of Economic Appraisal                        | 5     | 10      |
| <i>Entrepreneurship classes</i>       |   |       |         |
| CL 973                                | Independent Study in Collaboration with Industry        | 5     | 10      |
| CL 965                                | Science, Technology and Innovation Policy               | 5     | 10      |

Exceptionally, such other Level 5 classes totalling no more than 20 credits, as may be approved by the Course Director

Students for the degree of MSc only:

|        |   |   |    |
|--------|---|---|----|
| CL 930 | Project in Environmental Entrepreneurship | 5 | 60 |
|--------|---|---|----|

### **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**

- 19.44.27 **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.
- 19.44.28 **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.
- 19.44.29 **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**

- 19.44.30 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**

- 19.44.31 Regulations 19.1.5 and 19.1.6 shall apply.

### **Mode of Study**

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

### **Place of Study**

- 19.44.33 As permitted by Regulation 19.1.8, some off-campus work may be required.

### **Curriculum**

- 19.44.34 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 906             | Site Investigation and Risk Assessment         | 5     | 10      |
| CL 931             | Research Protocols for Science and Engineering | 5     | 10      |
| CL 954             | Contaminated Land                              | 5     | 10      |
| CL 960             | Fundamentals of Environmental Forensics        | 5     | 10      |
| CL 975             | Environmental Chemistry                        | 5     | 10      |
| FS 913             | Fundamentals of Forensic Science               | 5     | 20      |
| M9 929             | UK and EU Environmental Law                    | 5     | 10      |

#### Optional Classes

No fewer than 40 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| CL 971 | Air Pollution, Climate Change & Human Health        | 5 | 10 |
| CL 904 | Waste Management and Landfill Design                | 5 | 10 |
| CL 935 | Hydrogeology  | 5 | 10 |
| CL 947 | Climate Change Mitigation and Adaptation            | 5 | 10 |
| CL 948 | Principles of Environmental Microbiology            | 5 | 10 |
| CL 961 | Geographical Information Systems (GIS)              | 5 | 10 |
| EV 908 | Pollution and Rehabilitation of Degraded Ecosystems | 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 942 | Project in Environmental Forensics | 5 | 60 |
|--------|------------------------------------|---|----|

#### 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, including no fewer than 20 credits from the classes in List A
- for the Postgraduate Diploma – no fewer than 120 credits, including no fewer than 40 credits from the classes in List A
- for the degree of MSc – no fewer than 180 credits: 120 credits of taught classes (including no fewer than 40 credits from the classes in List A) and 60 credits from the Project

Compulsory Classes

CL 509 Civil Engineering Design Projects

Level Credits

5 40

together with classes appropriate to the chosen specialism.

Civil Engineering with Structural Engineering & Project Management

|        |   |   |    |
|--------|---|---|----|
| CL 510 | Advanced Structural Analysis and Design | 5 | 10 |
| CL 922 | Soil Modelling and Numerical Analysis   | 5 | 20 |
| EF 931 | Project Management                      | 5 | 10 |

Civil Engineering with Geotechnical Engineering & Project Management

|        |  |   |    |
|--------|--|---|----|
| CL 507 | Ground Improvement and Reinforcement       | 5 | 10 |
| CL 923 | Rock Mechanics, Tunnelling and Groundwater | 5 | 20 |
| EF 931 | Project Management                         | 5 | 10 |

Civil Engineering with Geoenvironmental Engineering & Project Management

|        |  |   |    |
|--------|--|---|----|
| CL 906 | Site Investigation and Risk Assessment | 5 | 10 |
| CL 954 | Contaminated Land                      | 5 | 10 |
| CL 904 | Waste Management and Landfill Design   | 5 | 10 |
| EF 931 | Project Management                     | 5 | 10 |

Optional Classes

**List A**

|        |  |   |    |
|--------|--|---|----|
| CL 502 | Coastal Engineering and Modelling          | 5 | 10 |
| CL 507 | Ground Improvement and Reinforcement       | 5 | 10 |
| CL 508 | Site Investigation and Risk Assessment     | 5 | 10 |
| CL 510 | Advanced Structural Analysis and Design    | 5 | 10 |
| CL 904 | Waste Management and Landfill Design       | 5 | 10 |
| CL 906 | Site Investigation and Risk Assessment     | 5 | 10 |
| CL 922 | Soil Modelling and Numerical Analysis      | 5 | 20 |
| CL 923 | Rock Mechanics, Tunnelling and Groundwater | 5 | 20 |
| CL 935 | Hydrogeology                               | 5 | 10 |
| CL 951 | Groundwater Flow Modelling                 | 5 | 10 |
| CL 952 | Aquifer Mechanics                          | 5 | 10 |
| CL 954 | Contaminated Land                          | 5 | 10 |
| EF 931 | Project Management                         | 5 | 10 |
| NM 969 | Renewable Marine Energy Systems            | 5 | 10 |

**List B**

|        |  |   |    |
|--------|--|---|----|
| CL 946 | Global Water Policy                              | 5 | 10 |
| CL 931 | Research Protocols for Science & Engineering     | 5 | 10 |
| CL 504 | Financial Engineering                            | 5 | 10 |
| CL 503 | Strategic Construction Procurement               | 5 | 10 |
| CL 948 | Principles of Environmental Microbiology         | 5 | 10 |
| CL 955 | Environmental Management Systems                 | 5 | 10 |
| CL 960 | Fundamentals of Environmental Forensics          | 5 | 10 |
| CL 965 | Science, Technology and Innovation Policy        | 5 | 10 |
| CL 970 | Environmental Pollution Management               | 5 | 10 |
| CL 971 | Air Pollution, Climate Change & Human Health     | 5 | 10 |
| CL 973 | Independent Study in Collaboration with Industry | 5 | 10 |
| 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 9XX 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, the project where undertaken and, if required, in an oral examination.

**Award**

- 19. 44.46 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Civil Engineering, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits (including no fewer than 40 credits from the classes in List A), of which 60 must have been awarded in respect of the project. For the degree of 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, the candidate must have attained the credits in the appropriate specialism.
- 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 970             | Environmental Pollution Management             | 5     | 10      |
| CL 904             | Waste Management and Landfill Design           | 5     | 10      |
| CL 931             | Research Protocols for Science and Engineering | 5     | 10      |
| CL 975             | Environmental Chemistry                        | 5     | 10      |

### 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 Environment 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

- 19.44.84 Regulations 19.1.25 – 19.1.33 shall apply.  
 19.44.85 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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 906             | Site Investigation and Risk Assessment       | 5     | 10      |
| CL 931             | Research Protocols for Science & Engineering | 5     | 10      |
| CL 954             | Contaminated Land                            | 5     | 10      |
| CL 935             | Hydrogeology                                 | 5     | 10      |

#### **Optional Classes**

No fewer than 20 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| CL 961 | Geographical Information Systems (GIS) | 5 | 10 |
| CL 904 | Waste Management and Landfill Design   | 5 | 10 |
| CL 951 | Groundwater Flow Modelling             | 5 | 10 |
| CL 952 | Aquifer Mechanics                      | 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 |

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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 971             | Air Pollution, Climate Change & Human Health | 5     | 10      |
| 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 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 |
| 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

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.

19.44.108  
to 19.44.110 (Numbers not used)

## 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:

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 compulsory and 10 credits of optional classes.

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

#### Compulsory Classes\*

|        |  | Level | Credits |
|--------|--|-------|---------|
| CL 501 | Foundation Engineering                     | 5     | 10      |
| CL 906 | Site Investigation and Risk Assessment     | 5     | 10      |
| CL 917 | Slopes and Walls                           | 5     | 10      |
| CL 920 | Introduction to Geotechnics                | 5     | 20      |
| CL 922 | Soil Modelling and Numerical Analysis      | 5     | 20      |
| CL 923 | Rock Mechanics, Tunnelling and Groundwater | 5     | 20      |
| CL 924 | Geotechnical Design Project                | 5     | 20      |

#### Optional Classes

No fewer than 10 credits chosen from:

|        |                                      |   |    |
|--------|--------------------------------------|---|----|
| CL 507 | Ground Improvement and Reinforcement | 5 | 10 |
| CL 954 | Contaminated Land                    | 5 | 10 |

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**

- 19.44.117 **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.
- 19.44.118 **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.
- 19.44.119 **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.
- 19.44.120  
to 19.44.130 (Numbers not used)

## **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**

- 19.44.131 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

| Compulsory Classes |                                      | Level | Credits |
|--------------------|--------------------------------------|-------|---------|
| 16 468             | Acoustics                            | 4     | 10      |
| CL 414             | Meat Hygiene and Inspection          | 4     | 10      |
| CL 904             | Waste Management and Landfill Design | 5     | 10      |
| CL 908             | Food Inspection and Control          | 5     | 10      |
| CL 909             | Food Safety and Hygiene              | 5     | 10      |
| CL 911             | Introduction to Health & Safety      | 5     | 10      |
| CL 912             | Occupational Health and Toxicology   | 5     | 10      |
| CL 913             | Public Health Studies                | 5     | 10      |
| CL 914             | Infection and Vector Control         | 5     | 10      |

|        |  |   |    |
|--------|--|---|----|
| CL 969 | Contaminated Land Management                 | 5 | 10 |
| CL 971 | Air Pollution, Climate Change & Human Health | 5 | 10 |

#### Optional Classes

No fewer than 10 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| CL 905 | Research Methodology & Techniques            | 5 | 10 |
| CL 906 | Site Investigation and Risk Assessment       | 5 | 10 |
| CL 910 | Housing Policy and Law                       | 5 | 10 |
| CL 916 | Environmental Impact & Assessment            | 5 | 10 |
| CL 931 | Research Protocols for Science & Engineering | 5 | 10 |
| CL 947 | Climate Change Mitigation and Adaptation     | 5 | 10 |
| CL 948 | Principles of Environmental Microbiology     | 5 | 10 |
| EV 921 | Water and Environmental Management           | 5 | 10 |
| CL 970 | Environmental Pollution Management           | 5 | 10 |

- 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

|        |         |   |    |
|--------|---------|---|----|
| 17 900 | Project | 5 | 60 |
|--------|---------|---|----|

#### 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 |   | Level | Credits |
|--------------------|---|-------|---------|
| CL 972             | Sustainability & Strategic Environmental Assessment | 5     | 20      |
| CL 957             | Qualitative and Quantitative Research Methods       | 5     | 10      |
| EC 913             | International Environmental Policy                  | 5     | 10      |

#### Optional Classes

No fewer than 80 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| 17 540 | Transport, Development and Sustainability                  | 5 | 10 |
| CL 970 | Environmental Pollution Management                         | 5 | 10 |
| CL 971 | Air Pollution, Climate Change & Human Health               | 5 | 10 |
| CL 904 | Waste Management and Landfill Design                       | 5 | 10 |
| CL 918 | Learning for our Future: Sustainable Development Education | 5 | 10 |

|        |   |   |    |
|--------|---|---|----|
| CL 948 | Principles of Environmental Microbiology            | 5 | 10 |
| CL 955 | Environmental Management Systems                    | 5 | 10 |
| CL 956 | Environmental Business Strategy                     | 5 | 10 |
| CL 958 | Recent Trends in Technological Progress             | 5 | 10 |
| CL 961 | Geographical Information Systems (GIS)              | 5 | 10 |
| CL 965 | Science, Technology and Innovation Policy           | 5 | 10 |
| EV939  | Environmental Impact Assessment                     | 5 | 10 |
| CL 975 | Environmental Chemistry                             | 5 | 10 |
| CL 974 | Sustainable Transformation & Accountability         | 5 | 10 |
| EC 928 | Energy Economics                                    | 5 | 10 |
| EC 922 | Principles of Economic Appraisal                    | 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 |
| ME 927 | Energy Resources and Policy                         | 5 | 10 |
| CL 964 | Principles of Sustainability                        | 5 | 10 |
| CL 947 | Climate Change Mitigation and Adaptation            | 5 | 10 |
| CL 946 | Global Water Policy                                 | 5 | 10 |
| CI 969 | Contaminated Land Management                        | 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, such other Level 5 classes totalling no more than 20 credits, as approved by the Course Director.

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

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| 17 978             | Science, Technology and Innovation Policy     | 5     | 12      |
| EV 929             | Principles of Sustainable Development         | 5     | 12      |
| EV 956             | International Environmental Policy            | 5     | 12      |
| EV 958             | Research Methods and Participatory Approaches | 5     | 12      |

#### Optional Classes

No fewer than 72 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| 16 915 | Energy Resources and Policy                           | 5 | 12 |
| 17 535 | Recycling Urban Land                                  | 5 | 12 |
| 17 540 | Transport, Development and Sustainability             | 5 | 10 |
| 17 967 | Disaster Management                                   | 5 | 12 |
| 17 969 | Globalisation and International<br>Technology Markets | 5 | 12 |
| 17 970 | Recent Trends in Technological Progress               | 5 | 12 |
| 17 987 | Development and Management of Technology              | 5 | 12 |
| 31 911 | Pollution Control Policy                              | 5 | 12 |
| 31 966 | Environmental Economics                               | 5 | 12 |
| BB 935 | Biotechnology and the Environment                     | 5 | 10 |
| CL 947 | Climate Change and Mitigation and Adaptation          | 5 | 10 |
| EV 905 | Ecology, Biodiversity and Sustainability              | 5 | 10 |
| EV 934 | Environmental Management Systems                      | 5 | 12 |
| EV 938 | Applied Strategic Environmental Assessment            | 5 | 12 |
| EV 939 | Environmental Impact Assessment                       | 5 | 10 |
| EV 959 | Spatial Query and Analysis using GIS                  | 5 | 12 |
| LS 929 | UK and EU Environmental Law                           | 5 | 10 |

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

### **Award**

- 19.44.227 **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.
- 19.44.228 **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.
- 19.44.229
- 19.44.330 (Number not used)

## **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**

- 19.44.231 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**

- 19.44.232 Regulations 19.1.5 and 19.1.6 shall apply

### **Mode of Study**

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

### **Place of Study**

- 19.44.234 All classes are taught at the University of Strathclyde.

### **Curriculum**

- 19.44.235 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 |   | Level | Credits |
|--------------------|---|-------|---------|
| CL 970             | Environmental Pollution Management                  | 5     | 10      |
| CL 971             | Air Pollution, Climate Change & Human Health        | 5     | 10      |
| CL 931             | Research Protocols for Science and Engineering      | 5     | 10      |
| CL 948             | Principles of Environmental Microbiology            | 5     | 10      |
| CL 975             | Environmental Chemistry                             | 5     | 10      |
| EV 921             | Water Environment Management                        | 5     | 10      |
| either:            |   |       |         |
| EV 905             | Ecology Biodiversity and Sustainability             | 5     | 10      |
| or                 |   |       |         |
| EV 908             | Pollution and Rehabilitation of Degraded Ecosystems | 5     | 10      |

#### Optional Classes

No fewer than 50 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| CL 960 | Fundamentals of Environmental Forensics             | 5 | 10 |
| CL 947 | Climate Change Mitigation and Adaptation            | 5 | 10 |
| EV 905 | Ecology, Biodiversity and Sustainability            | 5 | 10 |
| EV 908 | Pollution and Rehabilitation of Degraded Ecosystems | 5 | 10 |
| CL 964 | Principles of Sustainability                        | 5 | 10 |
| CL 955 | Environmental Management Systems                    | 5 | 10 |
| CL 966 | Environmental Impact Assessment                     | 5 | 10 |
| CL 961 | Geographical Information Systems (GIS)              | 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:

|        |         |   |    |
|--------|---------|---|----|
| EV 962 | Project | 5 | 60 |
|--------|---------|---|----|

#### 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 906             | Site Investigation and Risk Assessment         | 5     | 10      |
| CL 931             | Research Protocols for Science and Engineering | 5     | 10      |
| CL 935             | Hydrogeology                                   | 5     | 10      |
| CL 946             | Global Water Policy                            | 5     | 10      |
| CL 952             | Aquifer Mechanics                              | 5     | 10      |
| CL 951             | Groundwater Flow Modelling                     | 5     | 10      |

|        |                         |   |    |
|--------|-------------------------|---|----|
| CL 954 | Contaminated Land       | 5 | 10 |
| CL 975 | Environmental Chemistry | 5 | 10 |

#### 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 |
| CL973  | 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 Forensics (Open Access)**  
**Environmental Health (Open Access)**  
**Environmental Science (Open Access)**  
**Geotechnics (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 Forensics (Open Access)  
Environmental Health (Open Access)  
Environmental Science (Open Access)  
Geotechnics (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:**

|        |  | Level | Credits |
|--------|--|-------|---------|
| CL 968 | Open Access Residential Research Class | 5     | 10      |

**Environmental Engineering (Open Access)**

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 904             | Waste Management and Landfill Design     | 5     | 10      |
| CL 906             | Site Investigation and Risk Assessment   | 5     | 10      |
| CL 948             | Principles of Environmental Microbiology | 5     | 10      |
| CL 975             | Environmental Chemistry                  | 5     | 10      |

| Optional Classes*                     |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| No fewer than 70 credits chosen from: |   |       |         |
| CL 507                                | Ground Improvement and Reinforcement                | 5     | 10      |
| CL 970                                | Environmental Pollution Management                  | 5     | 10      |
| CL 971                                | Air Pollution, Climate Change & Human Health        | 5     | 10      |
| CL 960                                | Fundamentals of Environmental Forensics             | 5     | 10      |
| CL 947                                | Climate Change Mitigation and Adaptation            | 5     | 10      |
| CL 954                                | Contaminated Land                                   | 5     | 10      |
| EV 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      |
| CL 961                                | Geographical Information Systems (GIS)              | 5     | 10      |
| M9 929                                | UK and EU Environmental Law                         | 5     | 10      |
| CL 956                                | Environmental Business Strategy                     | 5     | 10      |
| CL 946                                | Global Water Policy                                 | 5     | 10      |
| CL 935                                | Hydrogeology  | 5     | 10      |
| CL9XX                                 | Water & Wastewater Treatment Design                 | 5     | 10      |
| CL973                                 | Independent Study in Collaboration with Industry    |       | 510     |

**Environmental Entrepreneurship (Open Access)**

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| CL 929             | Client-Based Environmental Entrepreneurship in Practice | 5     | 20      |
| AG 9XX             | Sustainable Transformation & Accountability             | 5     | 10      |
| Z1 931             | Entrepreneurship, Innovation and Commercialization      | 5     | 10      |
| Z1938              | New Venture Creation                                    | 5     | 10      |

| Optional Classes*                     |                             | Level | Credits |
|---------------------------------------|-----------------------------|-------|---------|
| No fewer than 60 credits chosen from: |                             |       |         |
| ME927                                 | Energy Resources and Policy | 5     | 10      |

|       |   |   |    |
|-------|---|---|----|
| CL965 | Science, Technology and Innovation Policy           | 5 | 10 |
| CL947 | Climate Change Mitigation and Adaptation            | 5 | 10 |
| CL955 | Environmental Management Systems                    | 5 | 10 |
| M9929 | UK and EU Environmental Law                         | 5 | 10 |
| EV905 | Ecology, Biodiversity and Sustainability            | 5 | 10 |
| EV908 | Pollution and Rehabilitation of Degraded Ecosystems | 5 | 10 |
| CL956 | Environmental Business Strategy                     | 5 | 10 |
| CL964 | Principles of sustainability                        | 5 | 10 |
| CL958 | Recent Trends in Technological Progress             | 5 | 10 |
| CL973 | Independent Study in Collaboration with Industry    | 5 | 10 |
| M9850 | International Environmental Law                     | 5 | 10 |
| EC922 | Principles of Economic Appraisal                    | 5 | 10 |
| CL972 | Sustainability & Strategic Environmental Assessment | 5 | 20 |
| EC927 | Environmental Economics                             | 5 | 10 |

### **Environmental Forensics (Open Access)**

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| CL 954             | Contaminated Land                       | 5     | 10      |
| CL 906             | Site Investigation and Risk Assessment  | 5     | 10      |
| CL 960             | Fundamentals of Environmental Forensics | 5     | 10      |
| CL 975             | Environmental Chemistry                 | 5     | 10      |
| FS 913             | Fundamentals of Forensic Science        | 5     | 20      |
| M9 929             | UK and EU Environmental Law             | 5     | 10      |

| Optional Classes*                     |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| No fewer than 40 credits chosen from: |   |       |         |
| CL 971                                | Air Pollution, Climate Change & Human Health        | 5     | 10      |
| CL 904                                | Waste Management and Landfill Design                | 5     | 10      |
| CL 935                                | Hydrogeology  | 5     | 10      |
| CL 947                                | Climate Change Mitigation and Adaptation            | 5     | 10      |
| CL 948                                | Principles of Environmental Microbiology            | 5     | 10      |
| EV 908                                | Pollution and Rehabilitation of Degraded Ecosystems | 5     | 10      |
| CL 961                                | Geographical Information Systems (GIS)              | 5     | 10      |

### **Environmental Health (Open Access)**

| Compulsory Classes |                                      | Level | Credits |
|--------------------|--------------------------------------|-------|---------|
| CL 904             | Waste Management and Landfill Design | 5     | 10      |
| CL 908             | Food Inspection and Control          | 5     | 10      |
| CL 909             | Food Safety and Hygiene              | 5     | 10      |
| CL 911             | Introduction to Health & Safety      | 5     | 10      |
| CL 912             | Occupational Health and Toxicology   | 5     | 10      |
| CL 913             | Public Health Studies                | 5     | 10      |
| CL 914             | Infection and Vector Control         | 5     | 10      |
| 16468              | Acoustics                            | 4     | 10      |
| CL414              | Meat Hygiene and Inspection          | 4     | 10      |
| CL 969             | Contaminated Land Management         | 5     | 10      |

|        |  |     |
|--------|--|-----|
| CL 971 | Air Pollution, Climate Change & Human Health | 510 |
|--------|--|-----|

**Environmental Science (Open Access)**

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| CL 970             | Environmental Pollution Management                  | 5     | 10      |
| CL 971             | Air Pollution, Climate Change & Human Health        | 5     | 10      |
| EV 921             | Water and Environment Management                    | 5     | 10      |
| CL 948             | Principles of Environmental Microbiology            | 5     | 10      |
| CL 975             | Environmental Chemistry                             | 5     | 10      |
| EV 905             | Ecology, Biodiversity and Sustainability            | 5     | 10      |
| or                 |   |       |         |
| EV 908             | Pollution and Rehabilitation of Degraded Ecosystems | 5     | 10      |

| Optional Classes*                     |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| No fewer than 50 credits chosen from: |   |       |         |
| CL 960                                | Fundamentals of Environmental Forensics             | 5     | 10      |
| CL 947                                | Climate Change Mitigation and Adaptation            | 5     | 10      |
| EV 905                                | Ecology, Biodiversity and Sustainability            | 5     | 10      |
| EV 908                                | Pollution and Rehabilitation of Degraded Ecosystems | 5     | 10      |
| CL955                                 | Environmental Management Systems                    | 5     | 10      |
| EV 939                                | Environmental Impact Assessment                     | 5     | 10      |
| CL 961                                | Geographical Information Systems (GIS)              | 5     | 10      |

**Geotechnics (Open Access)**

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 501             | Foundation Engineering                     | 5     | 10      |
| CL 906             | Site Investigation and Risk Assessment     | 5     | 10      |
| CL 917             | Slopes and Walls                           | 5     | 10      |
| CL 920             | Introduction to Geotechnics                | 5     | 20      |
| CL 922             | Soil Modelling and Numerical Analysis      | 5     | 20      |
| CL 923             | Rock Mechanics, Tunnelling and Groundwater | 5     | 20      |
| CL 924             | Geotechnical Design Project                | 5     | 20      |

**Hydrogeology (Open Access)**

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 975             | Environmental Chemistry                | 5     | 10      |
| CL 954             | Contaminated Land                      | 5     | 10      |
| CL 906             | Site Investigation and Risk Assessment | 5     | 10      |
| CL 935             | Hydrogeology                           | 5     | 10      |
| CL 946             | Global Water Policy                    | 5     | 10      |
| CL 952             | Aquifer Mechanics                      | 5     | 10      |
| CL 951             | Groundwater Flow Modelling             | 5     | 10      |

| Optional Classes*                     |  | Level | Credits |
|---------------------------------------|--|-------|---------|
| No fewer than 40 credits chosen from: |  |       |         |
| CL 904                                | Waste Management and Landfill Design     | 5     | 10      |
| EV 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 |
| CL 961 | Geographical Information Systems (GIS)              | 5 | 10 |
| M9 929 | UK and EU Environmental Law                         | 5 | 10 |
| CL 960 | Fundamentals of Environmental Forensics             | 5 | 10 |
| CL 948 | Principles of Environmental Microbiology            | 5 | 10 |
| CL 972 | Sustainability & Strategic Environmental Assessment | 5 | 20 |
| CL973  | Independent Study in Collaboration with Industry    | 5 | 10 |

### **Sustainability and Environmental Studies (Open Access)**

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| EC 913             | International Environmental Policy                  | 5     | 10      |
| CL 972             | Sustainability & Strategic Environmental Assessment | 5     | 20      |

| Optional Classes*                     |  | Level | Credits |
|---------------------------------------|--|-------|---------|
| No fewer than 80 credits chosen from: |  |       |         |
| ME 927                                | Energy Resources and Policy                                | 5     | 10      |
| EV 921                                | Water and Environment Management                           | 5     | 10      |
| 17 540                                | Transport, Development and Sustainability                  | 5     | 10      |
| CL 970                                | Air Pollution Control Environmental Pollution Management   | 5     | 10      |
| CL 971                                | Air Pollution, Climate Change & Human Health               | 5     | 10      |
| CL 904                                | Waste Management and Landfill Design                       | 5     | 10      |
| CL 918                                | Learning for our Future: Sustainable Development Education | 5     | 10      |
| CL 948                                | Principles of Environmental Microbiology                   | 5     | 10      |
| EV 905                                | Ecology, Biodiversity and Sustainability                   | 5     | 10      |
| EV 908                                | Pollution and Rehabilitation of Degraded Ecosystems        | 5     | 10      |
| CL 955                                | Environmental Management Systems                           | 5     | 10      |
| CL 956                                | Environmental Business Strategy                            | 5     | 10      |
| EV 939                                | Environmental Impact Assessment                            | 5     | 10      |
| CL 961                                | Geographical Information Systems (GIS)                     | 5     | 10      |
| M9 929                                | UK and EU Environmental Law                                | 5     | 10      |
| CL 965                                | Science, Technology and Innovation Policy                  | 5     | 10      |
| CL 958                                | Recent Trends in Technological Progress                    | 5     | 10      |
| CL 975                                | Environmental Chemistry                                    | 5     | 10      |
| AG 9xx                                | Sustainable Transformation & Accountability                | 5     | 10      |
| CL9XX                                 | Water & Wastewater Treatment Design                        | 5     | 10      |
| CL973                                 | Independent Study in Collaboration with Industry           | 5     | 10      |

\* Such other Level 5 optional classes as may be approved by the Course Director

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

|        |         |   |    |
|--------|---------|---|----|
| EV 940 | Project | 5 | 60 |
|--------|---------|---|----|



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

19.44.256 Regulation 19.1.19 shall apply.

19.44.257 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..

19.45 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 chosen 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 a project

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

| Compulsory Classes |                                     | Level | Credits |
|--------------------|-------------------------------------|-------|---------|
| DM 923             | Product Modelling and Visualisation | 5     | 10      |
| DM 925             | Systems Integration                 | 5     | 10      |
| DM 929             | CAED Systems                        | 5     | 10      |
| DM 931             | Postgraduate Group Project          | 5     | 40      |
| EF 927             | Design Management                   | 5     | 10      |

**Optional Classes**

No fewer than 40 credits chosen from:

|              |  |          |           |
|--------------|--|----------|-----------|
| DM 919       | Modelling of Manufacturing and Business Systems    | 5        | 10        |
| DM 922       | CAED Software Systems Design                       | 5        | 10        |
| DM 924       | Product Design Techniques                          | 5        | 20        |
| DM 930       | Knowledge Engineering and Management for Engineers | 5        | 10        |
| DM 934       | Design Methods                                     | 5        | 10        |
| <b>EF930</b> | <b>Information Management</b>                      | <b>5</b> | <b>10</b> |
| EF 931       | Project Management                                 | 5        | 10        |

Exceptionally, such other classes at Level 5 totalling no more than 20 credits, as approved by the Course Director.

Students for the degree of MSc only:

|        |                                 |   |    |
|--------|---------------------------------|---|----|
| DM 932 | Postgraduate Individual Project | 5 | 60 |
|--------|---------------------------------|---|----|

### **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

19.45.125 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 |                                     | Level | Credits |
|--------------------|-------------------------------------|-------|---------|
| DM 923             | Product Modelling and Visualisation | 5     | 10      |
| DM 924             | Product Design Techniques           | 5     | 20      |
| DM 931             | Postgraduate Group Project          | 5     | 40      |
| DM 942             | Manufacturing Automation            | 5     | 10      |
| EF 931             | Project Management                  | 5     | 10      |

### Optional Classes

No fewer than 30 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| DM 922 | CAED Software Systems Design                          | 5 | 10 |
| DM 925 | Systems Integration                                   | 5 | 10 |
| DM 930 | Knowledge Engineering and Management<br>for Engineers | 5 | 10 |
| DM 934 | Design Methods  | 5 | 10 |
| EE 972 | Control Principles                                    | 5 | 20 |
| EE 982 | Control Techniques                                    | 5 | 20 |

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 Director.

### Examination, Progress and Final Assessment

19.45.126 Regulations 19.1.25 – 19.1.33 shall apply.

19.45.127 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

19.45.128 **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.

19.45.129 **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.

19.45.130 **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.

19.45.131

to 19.45.160 (Numbers not used)

## **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
  - for the Postgraduate Diploma – no fewer than 120 credits
  - for the degree of MSc – no fewer than 180 credits including an individual project

| Compulsory Classes |                                     | Level | Credits |
|--------------------|-------------------------------------|-------|---------|
| AB 976             | VR and Rapid Prototyping            | 5     | 10      |
| AB 977             | Digital Media                       | 5     | 10      |
| DM 923             | Product Modelling and Visualisation | 5     | 10      |
| DM 931             | Postgraduate Group Project          | 5     | 40      |
| EF 930             | Information Management              | 5     | 10      |

#### **Optional Classes**

No fewer than 30 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| DM 924 | Product Design Techniques                          | 5 | 20 |
| DM 929 | CAED Systems                                       | 5 | 10 |
| DM 930 | Knowledge Engineering and Management for Engineers | 5 | 10 |
| DM 934 | 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 Director.

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

- 19.45.165 Regulations 19.1.25 – 19.1.29 and 19.1.31 – 19.1.33 shall apply.
- 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.
- 19.45.167 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**

- 19.45.168 **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.
- 19.45.169 **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.
- 19.45.170 **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.
- 19.45.171  
to 19.45.190 (Numbers not used)

## **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**

- 19.45.191 Regulations 19.1.1 and 19.1.2 shall apply

### **Duration of Study**

- 19.45.192 Regulations 19.1.5 and 19.1.6 shall apply.

### **Mode of Study**

- 19.45.193 The courses are available by full-time or part-time study.

### **Curriculum**

- 19.45.194 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

| 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 Director.

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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| 56 961             | Compulsory Core 1: Introduction to Systems* | 5     | 40      |
| 56 962             | Compulsory Core 2: Advanced Systems**       | 5     | 50      |
| 56 963             | Dissertation                                | 5     | 60      |

\* *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 individual project.

Students are required to take all core classes and all compulsory classes relevant to their chosen stream.

Compulsory Classes

Level Credits

|        |  |   |    |
|--------|--|---|----|
| DM 927 | Strategic Supply Chain Management                      | 5 | 10 |
| DM 926 | Supply Chain Operations                                | 5 | 10 |
| DM 928 | Enterprise Resource Planning                           | 5 | 10 |
| DM 935 | Management of Total Quality and Continuous Improvement | 5 | 10 |
| DM 944 | Product Costing and Financial Management               | 5 | 10 |
| MS 969 | Advanced Project Management                            | 5 | 10 |
| MS 971 | Business, Operations and Supply Chain Strategy         | 5 | 10 |
| MS 970 | Case Studies in Supply Chain Management                | 5 | 20 |

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 |
|        | Option (see list below)        | 5 | 10 |

*Logistics Management specialism*

|        |  |   |    |
|--------|--|---|----|
| DM 982 | Logistics                                    | 5 | 10 |
| MS 924 | Spreadsheet Modelling and Demand Forecasting | 5 | 10 |
|        | Option (see list below)                      | 5 | 10 |

*Procurement Management specialism*

|        |  |   |    |
|--------|--|---|----|
| BF 956 | Organisational Buying Behaviour and Structures | 5 | 10 |
| BF 982 | Strategic Procurement Management               | 5 | 10 |
|        | Option (see list below)                        | 5 | 10 |

Students for the degree of MSc only:

|        |                                 |   |    |
|--------|---------------------------------|---|----|
| DM 932 | Postgraduate Individual Project | 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).

| Optional Classes |   | Level | Credits |
|------------------|---|-------|---------|
| DM 918           | People, Organisation and Technology <sup>OLP</sup>          | 5     | 10      |
| DM 920           | Strategic Technology Management <sup>OP</sup>               | 5     | 10      |
| DM 921           | Facilities Management <sup>OL</sup>                         | 5     | 10      |
| DM 934           | Design Methods <sup>O</sup>                                 | 5     | 10      |
| DM 945           | Systems Thinking and Modelling <sup>OLP</sup>               | 5     | 10      |
| MS 922           | Quantitative Business Analysis <sup>OLP</sup>               | 5     | 10      |
| MS 924           | Spreadsheet Modelling and Demand Forecasting <sup>OLP</sup> | 5     | 10      |
| MS 926           | Business Simulation Methods <sup>P</sup>                    | 5     | 10      |
| MS 927           | Risk Analysis and Management <sup>LP</sup>                  | 5     | 10      |
| MS 929           | Performance Measurement and Management <sup>O</sup>         | 5     | 10      |

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

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

- 19.45.215 Regulations 19.1.25 – 19.1.33 shall apply.
- 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**

- 19.45.222 The courses are available by full-time or part-time study.

### **Place of Study**

19.45.223 The courses are taught at the University of Strathclyde and also off-campus by University of Strathclyde staff at overseas locations.

**Curriculum**

19.45.224 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.

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| DM 971             | Supply Chain Operations                                | 5     | 10      |
| DM 972             | Strategic Supply Chain Management                      | 5     | 10      |
| DM 973             | Enterprise Resource Planning                           | 5     | 10      |
| DM 974             | Management of Total Quality and Continuous Improvement | 5     | 10      |
| DM 976             | Product Costing and Financial Management               | 5     | 10      |
| MS 910             | Advanced Project Management                            | 5     | 10      |
| MS 911             | Business, Operations and Supply Chain Strategy         | 5     | 12      |
| MS 912             | Case Studies in Supply Chain Management                | 5     | 20      |

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.

| Optional Classes   | Level | Credits |
|--|-------|---------|
| 56418 Design Methods <sup>O</sup>                                  | 5     | 10      |
| DM 945 Systems Thinking and Modelling <sup>OLP</sup>               | 5     | 10      |
| DM 5xx Facilities Management <sup>OL</sup>                         | 5     | 10      |
| 56 520 Strategic Technology Management <sup>OP</sup>               | 5     | 10      |
| 56 511 People and Organisation <sup>OLP</sup>                      | 5     | 10      |
| MS 922 Quantitative Business Analysis <sup>OLP</sup>               | 5     | 10      |
| MS 924 Spreadsheet Modelling and Demand Forecasting <sup>OLP</sup> | 5     | 10      |
| MS 926 Business Simulation Methods <sup>P</sup>                    | 5     | 10      |
| MS 927 Risk Analysis and Management <sup>LP</sup>                  | 5     | 10      |
| MS 929 Performance Measurement and Management <sup>O</sup>         | 5     | 10      |

### **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.

19.45.230

to 19.45.260 (Numbers not used)

## **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 2<sup>nd</sup> 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 |                                     | Level | Credits (ECTS) |      |
|--------------------|-------------------------------------|-------|----------------|------|
| DM 501             | Industrial Group Project 2          | 5     | 20             | (10) |
| DM 503             | Global Design                       | 5     | 10             | (5)  |
| DM 918             | People, Organisation and Technology | 5     | 10             | (5)  |
| DM 920             | Strategic Technology Management     | 5     | 10             | (5)  |
| DM 926             | Supply Chain Operations             | 5     | 10             | (5)  |
| DM 934             | Design Methods                      | 5     | 10             | (5)  |
| DM 981             | Management of Innovation            | 5     | 10             | (5)  |
| EF 927             | Design Management                   | 5     | 10             | (5)  |

#### Optional Classes

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

|        |   |   |    |      |
|--------|---|---|----|------|
| DM 924 | Product Design Techniques                                 | 5 | 20 | (10) |
| DM 925 | Systems Integration                                       | 5 | 10 | (5)  |
| DM 927 | Strategic Supply Chain Management                         | 5 | 10 | (5)  |
| DM 928 | Enterprise Resource Planning                              | 5 | 10 | (5)  |
| DM 930 | Knowledge Engineering and<br>Management for Engineers     | 5 | 10 | (5)  |
| DM 933 | Engineering Risk Management                               | 5 | 10 | (5)  |
| DM 935 | Management of Total Quality and<br>Continuous Improvement | 5 | 10 | (5)  |
| DM 941 | Fundamentals of Lean Six Sigma                            | 5 | 10 | (5)  |
| DM 943 | Sustainable Product Design and<br>Manufacturing           | 5 | 10 | (5)  |
| DM 944 | Product Costing and Financial<br>Management               | 5 | 10 | (5)  |
| DM 945 | Systems Thinking and Modelling                            | 5 | 10 | (5)  |
| EF 930 | Information Management                                    | 5 | 10 | (5)  |

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

|        |                       |   |    |      |
|--------|-----------------------|---|----|------|
| DM 904 | Graduation Project    | 5 | 60 | (30) |
| DM 906 | Industrial Internship | 5 | 60 | (30) |

#### Hamburg-Harburg

##### Compulsory Classes

|        |                        |   |    |      |
|--------|------------------------|---|----|------|
| DM 910 | Master Thesis          | 5 | 60 | (30) |
| -      | -                      | - | -  | -    |
| EX 922 | External Study Credits | 5 | 48 | (24) |

#### Optional Classes

No fewer than 12 credits (6 ECTS)

|        |                        |   |    |     |
|--------|------------------------|---|----|-----|
| EX 923 | External Study Credits | 5 | 12 | (6) |
|--------|------------------------|---|----|-----|

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.

19.45.288

to 19.45.290 (Numbers not used)

## **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

| Classes |  | Level | Credits |
|---------|--|-------|---------|
| DM 918  | People, Organisation and Technology                    | 5     | 10      |
| DM 931  | Postgraduate Group Project                             | 5     | 40      |
| DM 935  | Management of Total Quality and Continuous Improvement | 5     | 10      |
| DM 941  | Fundamentals of Lean Six Sigma                         | 5     | 10      |
| DM 945  | Systems Thinking and Modelling                         | 5     | 10      |
| DM 949  | Design of Experiments for Process Optimisation         | 5     | 10      |
| MS 922  | Quantitative Business Analysis                         | 5     | 10      |

#### Optional Classes

No fewer than 20 credits chosen from:

|        |                               |   |    |
|--------|-------------------------------|---|----|
| DM 926 | Supply Chain Operations       | 5 | 10 |
| GB 816 | Leadership                    | 5 | 10 |
| MS 957 | Service Operations Management | 5 | 10 |
| MS 969 | Advanced Project Management   | 5 | 10 |

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

Students for the degree of MSc only:

|        |                    |   |    |
|--------|--------------------|---|----|
| DM 932 | Individual Project | 5 | 60 |
|--------|--------------------|---|----|

#### **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 those for all the compulsory classes

for the degree of MSc – no fewer than 180 credits including a project

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

| Compulsory Classes |                                     | Level | Credits |
|--------------------|-------------------------------------|-------|---------|
| DM 923             | Product Modelling and Visualisation | 5     | 10      |
| DM 924             | Product Design Techniques           | 5     | 20      |
| DM 929             | CAED Systems                        | 5     | 10      |
| DM 931             | Postgraduate Group Project          | 5     | 40      |
| EF 927             | Design Management                   | 5     | 10      |

#### Optional Classes

No fewer than 30 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| DM 925 | Systems Integration                                   | 5 | 10 |
| DM 930 | Knowledge Engineering and Management<br>For Engineers | 5 | 10 |
| DM 934 | Design Methods  | 5 | 10 |
| DM 943 | Sustainable Product Design and Manufacturing          | 5 | 10 |
| EF 930 | Information Management                                | 5 | 10 |
| EF 931 | Project Management                                    | 5 | 10 |
| EF 932 | Risk Management                                       | 5 | 10 |

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

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

DM 932 Postgraduate Individual Project

5

60

**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**

19.45.314 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* |  | Level | Credits |
|---------------------|--|-------|---------|
| DM 920              | Strategic Technology Management              | 5     | 10      |
| DM 942              | Manufacturing Automation                     | 5     | 10      |
| DM 946              | Micro- and Nano-Manufacturing                | 5     | 10      |
| DM 947              | Advanced Forming and Technology Systems      | 5     | 10      |
| DM 948              | Advanced Materials and Production Technology | 5     | 10      |

together with classes appropriate to the chosen course

*Advanced Manufacturing: Technology and Systems*

|        |                            |   |    |
|--------|----------------------------|---|----|
| DM 931 | Postgraduate Group Project | 5 | 40 |
|--------|----------------------------|---|----|

and 30 credits from the list of optional classes below

*Advanced Manufacturing: Forging and Forming*

|        |                      |   |    |
|--------|----------------------|---|----|
| 65 966 | Research Methodology | 5 | 10 |
|--------|----------------------|---|----|

and 60 credits from the list of optional classes below

#### Optional Classes

|        |  |   |    |
|--------|--|---|----|
| 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.

#### Students for the degree of MSc:

|        |                                 |   |    |
|--------|---------------------------------|---|----|
| DM 932 | Postgraduate Individual Project | 5 | 60 |
|--------|---------------------------------|---|----|

#### Examination, Progress and Final Assessment

19.45.315 Regulations 19.1.25 – 19.1.33 shall apply.

19.45.316 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.

19.46 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
- (i) 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 List A and B

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

for the degree of MSc – no fewer than 180 credits including all the classes in Lists A and C

| List A |                                       | Level | Credits |
|--------|---------------------------------------|-------|---------|
| EE969  | Digital Signal Processing Principles  | 5     | 20      |
| EE970  | Information Transmission and Security | 5     | 20      |
| EE972  | Control Principles                    | 5     | 20      |
| EE986  | Assignment and Professional Studies   | 5     | 20      |

Students who have previously successfully completed a class in List A will be required to undertake an appropriate alternative class as determined by the Course Director.

| List B |                                    |   |    |
|--------|------------------------------------|---|----|
| EE971  | Communications Networks            | 5 | 20 |
| EE978  | Advanced Digital Signal Processing | 5 | 20 |

|       |                              |   |    |
|-------|------------------------------|---|----|
| EE980 | Embedded System Design       | 5 | 20 |
| EE981 | Image and Video Processing   | 5 | 20 |
| EE982 | Control Techniques           | 5 | 20 |
| EE983 | Mobile and Wireless Networks | 5 | 20 |

Students may not select any class from List B which they have previously successfully completed.

### List C

|        |         |   |    |
|--------|---------|---|----|
| 19 900 | Project | 5 | 60 |
|--------|---------|---|----|

Students without appropriate background knowledge may be required additionally 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, the Project where undertaken and, if required, in an oral examination.

### 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 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 taught classes of the course.

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 taught classes of the course.

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 competency in 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 List A and B

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

for the degree of MSc – no fewer than 180 credits including all the classes in Lists A and C

| List A   | Level | Credits |
|--|-------|---------|
| EE973      Advanced Power System Analysis and Protection             | 5     | 20      |
| EE974      High Voltage Technology and Electromagnetic Compatibility | 5     | 20      |
| EE975      Power Electronics for Energy and Drive Control            | 5     | 20      |
| EE986      Assignment and Professional Studies                       | 5     | 20      |

Students who have previously successfully completed a class in List A will be required to undertake an appropriate alternative class as determined by the Course Director.

List B

|   |   |    |
|---|---|----|
| EE976      Power System Economics, Markets and Asset Management | 5 | 20 |
| EE977      Wind Energy and Distributed Energy Resources         | 5 | 20 |
| EE984      Wind Power Control and Operation                     | 5 | 20 |
| EE985      Software Engineering                                 | 5 | 20 |
| MS952      Regulation and Competition in Network Industries     | 5 | 20 |

Students may not select any class from List B which they have previously successfully completed

List C

|                     |   |    |
|---------------------|---|----|
| 19 900      Project | 5 | 60 |
|---------------------|---|----|

Students without appropriate background knowledge may be required additionally 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, the Project where undertaken and, if required, in an oral examination.

#### **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 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 taught classes of the course.

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 taught classes of the course.

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 chosen from List A

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

for the degree of MSc – no fewer than 180 credits including a project

| List A |  | Level | Credits |
|--------|--|-------|---------|
| 19 940 | General and Strategic Management                     | 5     | 12      |
| 19 941 | Financial Management                                 | 5     | 12      |
| 19 942 | Information Systems Strategy                         | 5     | 12      |
| 19 943 | Power System Operation and Management                | 5     | 12      |
| 19 944 | Power System Economics and Regulatory Issues         | 5     | 12      |
| List B |  |       |         |
| 19 945 | Power Generation Technologies: Electrical            | 5     | 12      |
| 19 946 | Power Generation Technologies: Mechanical            | 5     | 12      |
| 19 947 | Power System Analysis and Design                     | 5     | 12      |
| 19 948 | Power System Protection, Control and Monitoring      | 5     | 12      |
| 19 949 | Power Engineering and the Environment                | 5     | 12      |
| 19 950 | High Voltage Engineering                             | 5     | 12      |
| 19 951 | Energy Management and System Analysis                | 5     | 12      |
| 19 952 | Manufacturing Systems for Power Plant                | 5     | 12      |
| 19 953 | Project and Contract Management                      | 5     | 12      |
| 19 954 | Human Resource Management                            | 5     | 12      |
| 19 955 | Intelligent System Applications in Power Engineering | 5     | 12      |
| 19 956 | Networking and Communications                        | 5     | 12      |
| 19 957 | Database Management and Applications                 | 5     | 12      |

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:**

|        |         |   |    |
|--------|---------|---|----|
| 19 900 | 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, the Project where undertaken and, if required, in an oral examination.

**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.

19.46.49

to 19.46.59 (Numbers not used)

## 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 List A and B

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

for the degree of MSc – no fewer than 180 credits including all the classes in Lists A and C

| List A |   | Level | Credits |
|--------|---|-------|---------|
| EE986  | Assignment and Professional Studies                       | 5     | 20      |
| List B |   |       |         |
| EE966  | Power Electronics, Machines and Applications              | 5     | 20      |
| EE967  | Power System Design, Operation and Protection             | 5     | 20      |
| EE969  | Digital Signal Processing Principles                      | 5     | 20      |
| EE970  | Information Transmission and Security                     | 5     | 20      |
| EE971  | Communications Networks                                   | 5     | 20      |
| EE972  | Control Principles  | 5     | 20      |
| EE973  | Advanced Power System Analysis and Protection             | 5     | 20      |
| EE974  | High Voltage Technology and Electromagnetic Compatibility | 5     | 20      |
| EE975  | Power Electronics for Energy and Drive Control            | 5     | 20      |

|       |  |   |    |
|-------|--|---|----|
| EE976 | Power System Economics, Markets and Asset Management | 5 | 20 |
| EE977 | Wind Energy and Distributed Energy Resources         | 5 | 20 |
| EE978 | Advanced Digital Signal Processing                   | 5 | 20 |
| EE980 | Embedded System Design                               | 5 | 20 |
| EE981 | Image and Video Processing                           | 5 | 20 |
| EE982 | Control Techniques                                   | 5 | 20 |
| EE983 | Mobile and Wireless Networks                         | 5 | 20 |
| EE984 | Wind Power Control and Operation                     | 5 | 20 |
| EE985 | Software Engineering                                 | 5 | 20 |

Students may not select any class from List B which they have previously successfully completed

#### List C

|        |         |   |    |
|--------|---------|---|----|
| 19 900 | Project | 5 | 60 |
|--------|---------|---|----|

Students without appropriate background knowledge may be required additionally 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, the Project where undertaken and, if required, in an oral examination.

### 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 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 taught classes of the course.

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 taught classes of the course.

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 competency 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 List A and B

for the Postgraduate Diploma – no fewer than 120 credits from Lists A and B including all the classes in List A

for the degree of MSc – no fewer than 180 credits including all the classes in List A and the Project

| List A |                                      | Level | Credits |
|--------|--------------------------------------|-------|---------|
| EE969  | Digital Signal Processing Principles | 5     | 20      |
| EE978  | Advanced Digital Signal Processing   | 5     | 20      |
| EE980  | Embedded System Design               | 5     | 20      |
| EE981  | Image and Video Processing           | 5     | 20      |
| EE986  | Assignment and Professional Studies  | 5     | 20      |

Students who have previously successfully completed a class in List A will be required to undertake an appropriate alternative class as determined by the Course Director.

#### List B

|       |                                       |   |    |
|-------|---------------------------------------|---|----|
| EE970 | Information Transmission and Security | 5 | 20 |
| EE971 | Communications Networks               | 5 | 20 |
| EE983 | Mobile and Wireless Networks          | 5 | 20 |

Students may not select any class from List B which they have previously successfully completed

#### Students for the degree of MSc only

|        |         |   |    |
|--------|---------|---|----|
| 19 900 | Project | 5 | 60 |
|--------|---------|---|----|

Students without appropriate background knowledge may be required additionally 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 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 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 taught classes of the course.
- 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 taught classes of the course.
- 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 competency in 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 List A and B  
 for the Postgraduate Diploma – no fewer than 120 credits including all the classes in List A  
 for the degree of MSc – no fewer than 180 credits including all the classes in List A and C

| List A |  | Level | Credits |
|--------|--|-------|---------|
| EE971  | Communications Networks                          | 5     | 20      |
| EE983  | Mobile and Wireless Networks                     | 5     | 20      |
| EE986  | Assignment and Professional Studies              | 5     | 20      |
| MS952  | Regulation and Competition in Network Industries | 5     | 20      |

Students who have previously successfully completed a class in List A will be required to undertake an appropriate alternative class as determined by the Course Director.

| List B |   | Level | Credits |
|--------|---|-------|---------|
| BF906  | Topics in Communications Management                 | 5     | 20      |
| EE970  | Information Transmission and Security               | 5     | 20      |
| EE985  | Software Engineering                                | 5     | 20      |
| MS918  | Communications Environment                          | 5     | 10      |
| MS919  | The Principles and Practice of Communication Policy | 5     | 10      |

Students may not select any class from List B which they have previously successfully completed

| List C |         | Level | Credits |
|--------|---------|-------|---------|
| 19 900 | Project | 5     | 60      |

Students without appropriate background knowledge may be required additionally 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, the Project where undertaken and, if required, in an oral examination.

### **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 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 taught classes of the course.  
 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 taught classes of the course.



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 lists A and B

for the Postgraduate Diploma – no fewer than 120 credits from lists A and B including all the classes in List A

for the degree of MSc – no fewer than 180 credits, from Lists A and B including all the classes in List A and a project.

| List A |   | Level | Credits |
|--------|---|-------|---------|
| EE 9XX | Wind Turbine Technology                       | 5     | 20      |
| EE 9YX | Wind Turbine Control                          | 5     | 10      |
| EE 9XY | Power Systems and Wind Integration            | 5     | 20      |
| EE 986 | Assignment and Professional Studies           | 5     | 20      |
| List B |   |       |         |
| BF 981 | Socio-Economics of Energy Systems             | 5     | 10      |
| EE 961 | Wind Turbine Power Conversion                 | 5     | 10      |
| EE 966 | Power Electronics, Machines and Applications  | 5     | 20      |
| EE 967 | Power System Design, Operation and Protection | 5     | 20      |
| EE 973 | Advanced Power System Analysis and Protection | 5     | 20      |

|        |  |   |    |
|--------|--|---|----|
| EE 975 | Power Electronics for Energy and Drive Control       | 5 | 20 |
| EE 976 | Power System Economics, Markets and Asset Management | 5 | 20 |
| NM 999 | Mechanical Systems and Turbine Design                | 5 | 10 |

Students may not select any class from List B which they have previously successfully completed

Students for the degree of MSc only

|        |         |   |    |
|--------|---------|---|----|
| 19 900 | Project | 5 | 60 |
|--------|---------|---|----|

Students without appropriate background knowledge may be required additionally 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 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 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 taught classes of the course.

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 taught classes listed in either Regulation 19.46.143 or Regulation 20.46.24.

19.46.149

to 19.46.159 (Numbers not used)

## **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**

19.46.160 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**

- 19.46.161 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**

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

**Curriculum**

- 19.46.163 All students shall undertake an approved curriculum as follows:  
                   for the degree of MSc – no fewer than 240 credits from lists A, B and C including all the classes in Lists A and C.

| List A |   | Level | Credits |
|--------|---|-------|---------|
| 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      |
| MS 952 | Regulation and Competition in Network Industries          | 5     | 20      |
| EE 986 | Assignment and Professional Studies                       | 5     | 20      |

Students who have previously successfully completed a class in List A will be required to undertake an appropriate alternative class as determined by the Course Director.

List B

|        |                                       |   |    |
|--------|---------------------------------------|---|----|
| EE 969 | Digital Signal Processing Principles  | 5 | 20 |
| EE 970 | Information Transmission and Security | 5 | 20 |
| EE 971 | Communications Networks               | 5 | 20 |
| EE 972 | Control Principles                    | 5 | 20 |
| EE 982 | Control Techniques                    | 5 | 20 |
| EE 985 | Software Engineering                  | 5 | 20 |

Students may not select any class from List B which they have previously successfully completed.

List C

|        |         |   |    |
|--------|---------|---|----|
| EE 900 | Project | 5 | 80 |
|--------|---------|---|----|

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

**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.
- 19.46.166 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.
- 19.46.167 The final assessment will be based on performance in the examinations, coursework and the Project where undertaken.

**Award**

- 19.46.168 **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 Project.
- 19.46.169 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.

**19.47 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 \*

|        |  | Level | Credits |
|--------|--|-------|---------|
| ME 917 | Advanced Boiler Technologies 1                     | 5     | 10      |
| ME 918 | Advanced Boiler Technologies 2                     | 5     | 10      |
| ME 919 | Electrical Power Systems                           | 5     | 10      |
| ME 920 | Materials for Power Plant                          | 5     | 10      |
| ME 921 | Environmental Performance and Related Technologies | 5     | 10      |
| ME 922 | Energy Resources and Policy                        | 5     | 10      |
| ME 923 | Gas and Steam Turbines                             | 5     | 10      |
| ME 924 | Power Plant Systems                                | 5     | 10      |
| ME 926 | Nuclear Power Systems                              | 5     | 10      |

| List B: Faculty-wide Classes * |                        | Level | Credits |
|--------------------------------|------------------------|-------|---------|
| EF 927                         | Design Management      | 5     | 10      |
| EF 930                         | Information Management | 5     | 10      |
| EF 932                         | Risk Management        | 5     | 10      |
| EF 929                         | Financial Engineering  | 5     | 10      |
| EF 931                         | Project Management     | 5     | 10      |
| AB 975                         | Sustainability         | 5     | 10      |

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

Students for the degree of MSc only:

|        |         |   |    |
|--------|---------|---|----|
| EF 900 | Project | 5 | 60 |
|--------|---------|---|----|

### **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 \*

|        |  | Level | Credits |
|--------|--|-------|---------|
| ME 917 | Advanced Boiler Technologies 1                     | 5     | 10      |
| ME 918 | Advanced Boiler Technologies 2                     | 5     | 10      |
| ME929  | Electrical Power Systems                           | 5     | 10      |
| ME 920 | Materials for Power Plant                          | 5     | 10      |
| ME 921 | Environmental Performance and Related Technologies | 5     | 10      |
| ME 919 | Energy Resources and Policy                        | 5     | 10      |
| ME 923 | Gas and Steam Turbines                             | 5     | 10      |
| ME 924 | Power Plant Systems                                | 5     | 10      |
| ME 926 | Nuclear Power Systems                              | 5     | 10      |

List B: Faculty-wide Classes \*

|        |                        |   |    |
|--------|------------------------|---|----|
| EF 927 | Design Management      | 5 | 10 |
| EF 930 | Information Management | 5 | 10 |
| EF 931 | Project Management     | 5 | 10 |
| EF 932 | Risk Management        | 5 | 10 |
| EF 929 | Financial Engineering  | 5 | 10 |
| AB 975 | Sustainability         | 5 | 10 |

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

Students for the degree of MSc only:

|        |         |   |    |
|--------|---------|---|----|
| EF 900 | Project | 5 | 60 |
|--------|---------|---|----|

**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**
- 19.47.17 **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.
- 19.47.18 **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.
- 19.47.19 **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.
- 19.47.20 (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**

### **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**

- 19.47.21 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**

- 19.47.22 Regulations 19.1.5 and 19.1.6 shall apply.

### **Mode of Study**

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

### **Curriculum**

- 19.47.24 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 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

#### Classes

| List A |  | Level | Credits |
|--------|--|-------|---------|
| EF 927 | Design Management                                  | 5     | 10      |
| EF 930 | Information Management                             | 5     | 10      |
| EF 931 | Project Management                                 | 5     | 10      |
| EF 932 | Risk Management                                    | 5     | 10      |
| EF 929 | Financial Engineering                              | 5     | 10      |
| AB 975 | Sustainability                                     | 5     | 10      |
| EV 939 | Environmental Impact                               | 5     | 10      |
| DM 930 | Knowledge Engineering and Management for Engineers | 5     | 10      |

#### 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 |

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 and MSc in Advanced Mechanical Engineering with Energy

Systems 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.

## 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,  
together with *NM 964 Group Project*  
for the degree of MSc – no fewer than 180 credits, including the  
Individual Project

#### Compulsory Classes

|        |  | Level | Credits |
|--------|--|-------|---------|
| NM 946 | Inspection and Survey  | 5     | 10      |
| NM 949 | Marine Transport and Economics                                 | 5     | 10      |
| NM 950 | Maritime Safety and Risk                                       | 5     | 10      |
| NM 951 | Marine Engineering Simulation and Modelling                    | 5     | 10      |
| NM 952 | Advanced Marine Engineering                                    | 5     | 10      |
| NM 9xx | Onboard Energy Management and Marine<br>Environment Protection | 5     | 10      |
| NM 916 | Systems Availability and Maintenance                           | 5     | 10      |

#### Optional Classes

##### 10 credits chosen from

|        |   |   |    |
|--------|---|---|----|
| EF 927 | Design Management                       | 5 | 10 |
| EF 928 | Environmental Impact and Sustainability | 5 | 10 |
| EF 930 | Information Management                  | 5 | 10 |
| EF 931 | Project Management                      | 5 | 10 |
| EF 932 | Risk Management                         | 5 | 10 |
| EF 934 | Financial Engineering                   | 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**

- 19.49.5 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

| Compulsory Classes  |   | Level | Credits |
|---|---|-------|---------|
| NM 937  | Maritime Law, Contracts and Insurance                       | 5     | 10      |
| NM 946  | Inspection and Survey                                       | 5     | 10      |
| NM 949  | Marine Transport and Economics                              | 5     | 10      |
| NM 950  | Maritime Safety and Risk                                    | 5     | 10      |
| NM 973  | Maritime Regulatory Framework                               | 5     | 10      |
| NM 916  | Systems Availability and Maintenance                        | 5     | 10      |
| NM 924  | Onboard Energy Management and Marine Environment Protection | 5     | 10      |
| HR 916  | HRM in a Business Context                                   | 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**

- 19.49.24 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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| NM 946             | Inspection and Survey                          | 5     | 10      |
| NM 957             | Offshore Engineering Practice                  | 5     | 10      |
| NM 958             | Risers and Mooring Lines                       | 5     | 10      |
| NM 959             | Dynamics of Floating Offshore Installations    | 5     | 10      |
| NM 960             | Finite Element Analysis of Floating Structures | 5     | 10      |
| NM 950             | Maritime Safety and Risk                       | 5     | 10      |
| NM 961             | Design and Construction of FPSOs               | 5     | 10      |

### Optional Classes

No fewer than 10 credits chosen from:

|        |                                      |   |    |
|--------|--------------------------------------|---|----|
| NM 947 | Modelling and Optimisation in Design | 5 | 10 |
| NM 962 | Advanced Marine Structures           | 5 | 10 |
| NM 963 | Theory and Practice of Marine CFD    | 5 | 10 |

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

|        |               |   |    |
|--------|---------------|---|----|
| NM 964 | Group Project | 5 | 40 |
|--------|---------------|---|----|

Students for the degree of MSc only:

|        |                    |   |    |
|--------|--------------------|---|----|
| NM 965 | Individual Project | 5 | 60 |
|--------|--------------------|---|----|

### Examination, Progress and Final Assessment

19.49.55 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

| Compulsory Classes                    |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| NM 946                                | Inspection and Survey                       | 5     | 10      |
| NM 948                                | Subsea Systems and Installation             | 5     | 10      |
| NM 950                                | Maritime Safety and Risk                    | 5     | 10      |
| NM 957                                | Offshore Engineering Practice               | 5     | 10      |
| NM 958                                | Risers and Mooring Lines                    | 5     | 10      |
| NM 966                                | Marine Pipelines                            | 5     | 10      |
| NM 977                                | Subsurface Technology                       | 5     | 10      |
| 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

| Classes   |   | Level | Credits |
|---|---|-------|---------|
| NM 967  | Reliability-Based Structural Design and Plated Structures   | 5     | 10      |
| NM 958  | Risers and Mooring Lines                                    | 5     | 10      |
| NM 959  | Dynamics of Floating Offshore Installations                 | 5     | 10      |
| NM 962  | Advanced Marine Structures                                  | 5     | 10      |
| NM 960  | Finite Element Analysis of Floating Structures              | 5     | 10      |
| NM 979  | Computational Modelling of Problems in Structural Mechanics | 5     | 10      |
| NM 981  | Materials Engineering                                       | 5     | 20      |
| 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**

- 19.49.80 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 2<sup>nd</sup> 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. Specifically IELTS 6.5 or TOEFL 600/250/95.

#### **Duration of Study**

- 19.49.81 The normal duration of study for the degree of MSc by full-time study will be 4 semesters.

#### **Place of Study**

- 19.49.82 The course will be taught at the University of Strathclyde (UofS) in the first year, and Hamburg University of Technology (TUHH) for the second year.

#### **Mode of Study**

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

### Curriculum

#### First Year

19.49.84 All students shall spend the first year at UofS and undertake classes amounting to no fewer than 120 credits (60 ECTS) as follows:

| <b>Compulsory Classes</b> |   | <b>Level</b> | <b>Credits</b> | <b>ECTS</b> |
|---------------------------|---|--------------|----------------|-------------|
| NM 957                    | Offshore Engineering Practice                           | 5            | 10             | 5           |
| NM 958                    | Risers and Mooring Lines                                | 5            | 10             | 5           |
| NM 966                    | Marine Pipelines  | 5            | 10             | 5           |
| NM 959                    | Dynamics of Floating Offshore Inst.                     | 5            | 10             | 5           |
| NM 950                    | Maritime Safety and Risk                                | 5            | 10             | 5           |
| NM 961                    | Design and Construction of FPSOs                        | 5            | 10             | 5           |
| NM 963                    | Theory and Practice of Marine CFD                       | 5            | 10             | 5           |
| NM 946                    | Inspection and Survey                                   | 5            | 10             | 5           |
| NM 983                    | MSc Group Project – NAME (Ship and Offshore Technology) | 5            | 20             | 10          |
| NM 941                    | Research Project – Ship and Offshore Technology         | 5            | 20             | 10          |

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

Intensive German language course (except for German-speaking students)

#### 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:

| <b>Compulsory Classes</b> |  | <b>Level</b> | <b>Credits</b> | <b>ECTS</b> |
|---------------------------|--|--------------|----------------|-------------|
| 56 XXX                    | Structural Analysis of Ships & Offshore Structures | 5            | 8              | 4           |
| 56 XXX                    | Sea-keeping of Ships                               | 5            | 8              | 4           |
| 56 XXX                    | Advanced Ship Design                               | 5            | 8              | 4           |
| 56 XXX                    | Manoeuvrability                                    | 5            | 6              | 3           |
| 56 XXX                    | Fatigue Strength of Ships and Offshore Structures  | 5            | 8              | 4           |
| 56 XXX                    | Ship Vibration                                     | 5            | 8              | 4           |
| 56 XXX                    | Master Thesis                                      | 5            | 60             | 30          |

#### Optional Classes

No fewer than 14 credits (7 ECTS) chosen from:

|        |  |   |    |   |
|--------|--|---|----|---|
| 56 XXX | Seminar Naval Architecture and Ocean Engineering | 5 | 6  | 3 |
| 56 XXX | Computational Fluid Dynamics II                  | 5 | 10 | 5 |
| 56 XXX | Nonlinear Structural Analysis                    | 5 | 8  | 4 |
| 56 XXX | Special Topics of Ship Propulsion                | 5 | 6  | 3 |

*either*

|           |          |   |   |   |
|-----------|----------|---|---|---|
| 56 XXX    | German 1 | ? | 8 | 4 |
| <i>Or</i> |          |   |   |   |
| 56 XXX    | German 2 | ? | 8 | 4 |

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**

- 19.49.85 Candidates are required to pass written or oral examinations and to perform to the satisfaction of the Board of Examiners in the course work and in the Master Thesis for the degree award of MSc.
- 19.49.86 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.
- 19.49.87 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 attempts to pass the relevant class(es) at the earliest opportunity and no longer than two years after the initial attempt, the number of attempts depending on the regulations at UofS or TUHH, respectively.
- 19.49.88 The final assessment will be based on performance in the examinations, coursework, the Master Thesis.

### **Award**

- 19.49.89 **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**

- 19.49.90 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.
- 19.49.91  
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

-19.79 (Numbers not used)

## Strathclyde Business School

### 19.80 Faculty Courses

19.80.1  
to 19.80.59 (Numbers not used)

### Research Methodology in Business and 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

| Compulsory Classes |                     | Level | Credits |
|--------------------|---------------------|-------|---------|
| BF 991             | Research Philosophy | 5     | 20      |
| BF 992             | Research Methods    | 5     | 20      |

#### 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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| BF 993             | Research Colloquium  | 5     | 20      |
| either             |  |       |         |
| BF 994             | Introduction to Quantitative Methods: Survey Design and Analysis | 5     | 10      |

and

|        |                               |   |    |
|--------|-------------------------------|---|----|
| BF 998 | Advanced Quantitative Methods | 5 | 10 |
| or     |                               |   |    |
| BF 995 | Advanced Qualitative Methods  | 5 | 20 |

#### Optional Classes

No fewer than 40 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

| Classes |  | Level | Credits |
|---------|--|-------|---------|
| List A  |  |       |         |
| BF 991  | Research Philosophy                              | 5     | 20      |
| BF 992  | Research Methods                                 | 5     | 20      |
| List B  |  |       |         |
| MS 502  | Basic Reliability Theory and Techniques          | 5     | 5       |
| MS 503  | Advanced System Reliability Modelling            | 5     | 10      |
| MS 507  | Modelling within Reliability and Maintainability | 5     | 10      |
| MS 927  | Risk Analysis and Management                     | 5     | 10      |
| MS 962  | Foundations of Risk                              | 5     | 10      |
| MS 963  | Risk Governance                                  | 5     | 10      |

#### 19.80.64 **Approved List of Optional Classes**

|        |   |   |    |
|--------|---|---|----|
| BF 977 | Special Topics 1  | 5 | 20 |
| BF 978 | Special Topics 2  | 5 | 20 |
| BF 979 | Special Topics 3  | 5 | 20 |
| BF 993 | Research Colloquium*  | 5 | 20 |
| BF 995 | Advanced Qualitative Methods*   | 5 | 20 |
| BF 996 | Writing and Presenting Research   | 5 | 10 |
| BF 997 | Interdisciplinary Collaborative Research                                      | 5 | 10 |
| BF 998 | Advanced Quantitative Methods*  | 5 | 10 |
| BF 994 | Introduction to Advanced Quantitative Methods:<br>Survey Design and Analysis* | 5 | 10 |
| Z1 937 | Entrepreneurship Research   | 5 | 10 |

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.

19.80.66 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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| BF 951             | Procurement and Marketing in the International Environment | 5     | 15      |



|        |                                  |   |    |
|--------|----------------------------------|---|----|
| BF 952 | Procurement Research             | 5 | 15 |
| BF 9XX | Strategic Procurement Management | 5 | 10 |
| BF 954 | Total Quality Management         | 5 | 15 |
| BF 955 | Action Learning Project          | 5 | 20 |

| Optional Classes*                     |  | Level | Credits |
|---------------------------------------|--|-------|---------|
| 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

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| AG909              | Quantitative Methods for Finance          | 5     | 20      |
| AG910              | Principles of Finance                     | 5     | 20      |
| AG911              | Accounting & Financial Analysis           | 5     | 20      |
| AG912              | International Financial Markets & Banking | 5     | 20      |
| AG915              | Advanced Corporate Finance & Applications | 5     | 20      |
| AG925              | Derivatives and Treasury Management       | 5     | 20      |

Students for the degree of MSc only:

**Optional Classes**

20 credits chosen from:

|       |                               |   |    |
|-------|-------------------------------|---|----|
| AG916 | Behavioural Finance           | 5 | 10 |
| AG918 | Security Analysis             | 5 | 10 |
| 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

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| AG909              | Quantitative Methods for Finance          | 5     | 20      |
| AG910              | Principles of Finance                     | 5     | 20      |
| AG911              | Accounting & Financial Analysis           | 5     | 20      |
| AG912              | International Financial Markets & Banking | 5     | 20      |
| AG914              | Advanced Accounting                       | 5     | 20      |
| AG915              | Advanced Corporate Finance & Applications | 5     | 20      |
| AG920              | Management Accounting                     | 5     | 10      |

Students for the degree of MSc only:

|       |                            |   |    |
|-------|----------------------------|---|----|
| AG913 | Dissertation               | 5 | 40 |
| or    |                            |   |    |
| AG913 | Empirical Research Project | 5 | 40 |

#### Optional Classes

10 credits chosen from:

|       |                   |   |    |
|-------|-------------------|---|----|
| AG918 | Security Analysis | 5 | 10 |
|-------|-------------------|---|----|

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| 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

|       |   |   |    |
|-------|---|---|----|
| AG909 | Quantitative Methods for Finance          | 5 | 20 |
| AG910 | Principles of Finance                     | 5 | 20 |
| AG911 | Accounting & Financial Analysis           | 5 | 20 |
| AG912 | International Financial Markets & Banking | 5 | 20 |
| AG917 | Topics in Corporate Finance               | 5 | 10 |
| AG919 | Risk Management of Banks                  | 5 | 10 |
| AG922 | Financial Management of Banks             | 5 | 10 |
| AG925 | Derivatives and Treasury Management       | 5 | 20 |

Students for the degree of MSc only:

|       |              |   |    |
|-------|--------------|---|----|
| AG913 | Dissertation | 5 | 40 |
|-------|--------------|---|----|

#### Optional Classes

10 credits chosen from:

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| AG916 | Behavioural Finance             | 5 | 10 |
| AG918 | Security Analysis               | 5 | 10 |
| AG920 | Management Accounting           | 5 | 10 |
| AG923 | Empirical Methods in Finance    | 5 | 10 |
| AG924 | Portfolio Theory and Management | 5 | 10 |

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 |   | Level | Credits |
|--------------------|---|-------|---------|
| AG909              | Quantitative Methods for Finance          | 5     | 20      |
| AG910              | Principles of Finance                     | 5     | 20      |
| AG911              | Accounting & Financial Analysis           | 5     | 20      |
| AG912              | International Financial Markets & Banking | 5     | 20      |
| AG917              | Topics in Corporate Finance               | 5     | 10      |
| AG918              | Security Analysis                         | 5     | 10      |
| AG924              | Portfolio Theory & Management             | 5     | 10      |
| AG925              | Derivatives & Treasury Management         | 5     | 20      |

#### 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

|       |                              |   |    |
|-------|------------------------------|---|----|
| AG923 | Empirical Methods in Finance | 5 | 10 |
|-------|------------------------------|---|----|

or

|       |                     |   |    |
|-------|---------------------|---|----|
| AG916 | 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.

**19.82 Department of Economics**

19.82.1

to 19.82.39 (Numbers not used)

**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
- (ii) 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.

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| EC 916             | Foundations of Microeconomics                      | 5     | 10      |
| EC 917             | Further Topics in Microeconomics                   | 5     | 10      |
| EC 918             | Macroeconomics for the Business Environment        | 5     | 10      |
| EC 919             | Macroeconomics for the Global Business Environment | 5     | 10      |
| EC 922             | Economic Appraisal                                 | 5     | 10      |
| EC 923             | Economic Appraisal of Programmes & Policies        | 5     | 10      |
| EC 920             | Analysis of Economic Data                          | 5     | 10      |
| EC 921             | Quantitative Methods                               | 5     | 10      |

### Optional Classes

No fewer than 40 credits chosen from the list below, and any other deemed appropriate by the Course Director :

|        |                                    |   |    |
|--------|------------------------------------|---|----|
| EC 924 | Fundamentals of Business Economics | 5 | 10 |
| EC 925 | International Trade and Policy     | 5 | 10 |
| EC915  | Games of Strategy                  | 5 | 10 |
| EC 926 | Public Policy and Finance          | 5 | 10 |
| EC 927 | Environmental Economics            | 5 | 10 |
| EC 928 | Energy Economics                   | 5 | 10 |

Students for the degree of MSc only:

|        |              | Level | Credits |
|--------|--------------|-------|---------|
| EC 929 | Dissertation | 5     | 60      |

### 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.
- 19.82.47 **Award**  
**Degree of MSc:** In order to qualify for the award of the degree of MSc in Applied Economics, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 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               |  | Level | Credits |
|----------------------------------|--|-------|---------|
| EC 933                           | Global Energy Issues, Industries and Markets             | 5     | 20      |
| EC 931                           | Energy Policy, Politics, Business Structures and Finance | 5     | 20      |
| EC934                            | Global Energy Technologies, Impacts and Implementation   | 5     | 20      |
| EC932                            | Global Energy Forum                                      | 5     | 20      |
| Optional 20 credits chosen from: |  |       |         |
| EC916                            | Foundaitons of Microeconmics                             | 5     | 10      |
| OR                               |  |       |         |
| EC919                            | Macroeconomics in a Global Business Environment          | 5     | 10      |
| AND                              |  |       |         |
| EC927                            | Environmental Economics                                  | 5     | 10      |

|       |                  |   |    |  |
|-------|------------------|---|----|--|
| OR    |                  |   |    |  |
| 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.

19.83 (Number 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 |                             | Level | Credits |
|--------------------|-----------------------------|-------|---------|
| 41 937             | Employee Relations          | 5     | 10      |
| 41 938             | People Resourcing           | 5     | 10      |
| HR 911             | Employee Reward             | 5     | 10      |
| HR 913             | Human Resource Development  | 5     | 10      |
| HR 916             | HRM in a Business Context   | 5     | 20      |
| HR 917             | Managing in Human Resources | 5     | 20      |
| HR 922             | Business Skills             | 5     | 10      |
| HR 923             | Management Research Report  | 5     | 20      |

#### Optional Classes

No fewer than 10 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| 41 910 | Employment Issues and the Law            | 5 | 10 |
| HR 918 | Labour and Diversity in a Global Context | 5 | 10 |
| HR 931 | The Psychology of Risk Management        | 5 | 10 |
| HR 938 | Leadership*                              | 5 | 10 |

\* 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:

| Compulsory Classes | Level | Credits |
|--------------------|-------|---------|
|--------------------|-------|---------|



|        |                      |   |    |
|--------|----------------------|---|----|
| HR 925 | The Context of Pay   | 5 | 20 |
| HR 926 | Pay Relativities     | 5 | 20 |
| HR 927 | Managing Pay Systems | 5 | 20 |

### **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 Arts, Social Science or Business related 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 |                  | Level | Credits |
|--------------------|------------------|-------|---------|
| HR 914             | Global Staffing  | 5     | 20      |
| HR 915             | Business Systems | 5     | 10      |

|        |  |   |    |
|--------|--|---|----|
| HR 918 | The Labour and Diversity in a Global Context | 5 | 10 |
| HR 919 | Comparative Employment Relations             | 5 | 20 |
| HR 923 | Research Project                             | 5 | 20 |
| HR920  | Methods of Professional Enquiry              | 5 | 10 |

#### Optional Classes

No fewer than 30 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| 41 910 | Employment Issues and the Law           | 5 | 10 |
| 41 937 | Employee Relations                      | 5 | 10 |
| 41 938 | People Resourcing                       | 5 | 10 |
| HR 911 | Employee Reward                         | 5 | 10 |
| HR 913 | Human Resource Development              | 5 | 10 |
| HR 931 | The Psychology of Risk Management       | 5 | 10 |
| HR 938 | Leadership*                             | 5 | 10 |
| HR943  | Research Methods for HR Professionals** | 5 | 20 |

\*This class will only be available at SBS Spring School

\*\*This class is only available, with Departmental approval, to students who have been granted exemptions

Students for the degree of MSc only:

|        |              |   |    |
|--------|--------------|---|----|
| HR 924 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

#### 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 19.84.40 (Numbers not used.)

#### Coaching and Mentoring

**MSc in Coaching and Mentoring**  
**Postgraduate Diploma in Coaching and Mentoring**  
**Postgraduate Certificate in Coaching and Mentoring**

**Course Regulations**

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

**Admission**

- 19.84.41 Regulations 19.1.1 - 19.1.3 shall apply.  
 Applicants will normally be registered initially for the lowest level of qualification offered in the specific course.

**Duration of Study**

- 19.84.42 Regulations 19.1.5 and 19.1.6 shall apply.

**Place of Study**

- 19.84.43 Regulation 19.1.8 shall apply.

**Nature of Study**

- 19.84.44 The course is available by part-time study only.

**Curriculum**

- 19.84.45 All students shall undertake an approved curriculum as follows:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| BF 9xx             | Introduction to Coaching and Mentoring |       |         |
|                    | Capabilities and Methods               | 5     | 20      |
| BF 9xx             | Perspectives in Human Development      | 5     | 20      |
| BF 9xx             | Professional Practice and Contexts     | 5     | 20      |

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

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| BF 9xx             | Advanced Professional Practice              | 5     | 20      |
| BF 9xx             | Organisation and Learning Contexts          | 5     | 20      |
| BF 9xx             | Psychological Perspectives and Applications | 5     | 20      |

Students studying for the degree of MSc only:

|        |                  |   |    |
|--------|------------------|---|----|
| Xx xxx | Research Methods | 5 | 20 |
| Xx xxx | Dissertation     | 5 | 40 |

**Examination, Progress and Final Assessment**

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

**Award**

- 19.84.48 **Degree of MSc:** In order to qualify for the award of the MSc in Coaching and Mentoring, a student must have accumulated no fewer than 180 credits from

the taught classes of the course, of which 40 must have been awarded in respect of the dissertation.

19.84.49 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Coaching and Mentoring, a student must have accumulated no fewer than 120 credits from the taught classes of the course.

19.84.50 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Coaching and Mentoring, a student must have accumulated no fewer than 60 credits from the taught classes of the course.

## **Executive Coaching**

### **Postgraduate Certificate in Executive Coaching**

#### **Admission**

19.84.51 Regulations 19.1.1 and 19.1.2 shall apply.

#### **Duration of Study**

19.84.52 Regulations 19.1.5 and 19.1.6 shall apply.

#### **Mode of Study**

19.84.53 The course is available by part-time study only.

#### **Curriculum**

19.84.54 All students shall undertake an approved curriculum of no fewer than 60 credits.

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| HR 928             | Executive Coaching Concepts and Methods | 5     | 20      |
| HR 929             | Executive Coaching Perspectives         | 5     | 20      |
| HR 930             | Mastering Executive Coaching            | 5     | 20      |

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

19.84.55 Regulations 19.1.25 – 19.1.33 shall apply.

#### **Award**

19.84.56 **Postgraduate Certificate:** In order to qualify for the Postgraduate Certificate in Executive Coaching, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course curriculum.

19.84.57 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

|       |   | Level | Credits |
|-------|---|-------|---------|
| HR932 | Assessing the future and its impact on the hospitality and tourism industry | 5     | 10      |

|        |   |   |    |
|--------|---|---|----|
| HR934  | Strategic thinking for corporate venturing                                | 5 | 10 |
| HR933  | Learning and the management of talent                                     | 5 | 10 |
| HR935  | International marketing and brand development                             | 5 | 10 |
| HR936  | Leadership for competitive strategy delivery                              | 5 | 10 |
| HR937  | Leadership skills development   | 5 | 10 |
| Xx xxx | Strategic revenue management (Cornell campus)                             | 5 | 10 |
| Xx xxx | Fundamentals of hotel investment and financing decisions (Cornell campus) | 5 | 10 |
| Xx xxx | Value creation and innovation (Lausanne campus)                           | 5 | 10 |
| Xx xxx | Strategic thinking in the hospitality and tourism industries              | 5 | 10 |
| Xx xxx | A business approach to hospitality and tourism IT (Lausanne campus)       | 5 | 10 |
| Xx xxx | Planning for profits: Operations decision making and analysis             | 5 | 10 |

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.

- 19.85 to  
19.86 (Numbers not used.)

**19.87 Hunter Centre for Entrepreneurship**

**Technology Entrepreneurship**

**MSc in Technology Entrepreneurship**

**Postgraduate Diploma in Technology Entrepreneurship**

**Postgraduate Certificate in Technology Entrepreneurship**

**Course Regulations**

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

**Admission**

19.87.41 Regulations 19.1.1 and 19.1.2 shall apply.

**Duration of Study**

19.87.42 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

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

**Curriculum**

19.87.44 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                                  |  | Level | Credits |
|---|--|-------|---------|
| BF 913  | TVC1 Opportunity Recognition                                 | 5     | 15      |
| BF 914  | TVC2 Accessing Resources                                     | 5     | 15      |
| BF 915  | TVC3 Technology Venture Management                           | 5     | 15      |
| BF 916  | Company-Based Investigation                                  | 5     | 15      |
| Optional Classes                                    |  |       |         |
| No fewer than 60 credits chosen from:               |  |       |         |
| BF 917  | Planning an Entrepreneurial Venture                          | 5     | 15      |
| BF 918  | A Multidisciplinary Experience                               | 5     | 15      |
| BF 919  | Introduction to Technology Commercialisation                 | 5     | 5       |
| BF 920  | Starting an Internet Business                                | 5     | 15      |
| BF 921  | Finance and the Growing Business                             | 5     | 15      |
| Z1 909  | Entrepreneurship: Personal Effectiveness                     | 5     | 15      |
| Z1 910  | Technology Venture Creation (Distance Learning)              | 5     | 15      |
| Z1 911  | Technology Venture Management<br>(Distance Learning)         | 5     | 15      |
| Z1 9xx  | Technology Commercialisation and New<br>Business Development | 5     | 10      |
| Approved classes from any other postgraduate course |  |       |         |
| Students for the degree of MSc only:                |  |       |         |
| BF 900  | Dissertation   | 5     | 60      |

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

- 19.87.45 Regulations 19.1.25 – 19.1.33 shall apply.
- 19.87.46 In order to proceed to the dissertation candidates must submit a satisfactory dissertation proposal.
- 19.87.47 The final assessment will be based on performance in the examinations, coursework, the dissertation where undertaken and, if required, in an oral examination.

### **Award**

- 19.87.48 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Technology Entrepreneurship, 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.
- 19.87.49 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Technology Entrepreneurship, a student must have accumulated no fewer than 120 credits from the taught classes of the course.
- 19.87.50 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Technology Entrepreneurship, a student must have accumulated no fewer than 60 credits from the taught classes of the course.
- 19.87.51  
to 19.87.60 (Numbers not used)

## **Entrepreneurship**

### **MSc in Entrepreneurship**

### **Postgraduate Diploma in Entrepreneurship**

### **Postgraduate Certificate in Entrepreneurship**

### **Course Regulations**

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

### **Admission**

- 19.87.61 Regulation 19.1.1 shall apply.  
Applicants may also be required to provide documentary evidence of competency of written and spoken English, to provide supportive academic or relevant business references, and to provide a personal statement of purpose and/or be called for interview.

### **Duration of Study**

- 19.87.62 Regulations 19.1.5 and 19.1.6 shall apply.

### **Mode of Study**

- 19.87.63 The course is available by part time study only.

### **Place of Study**

- 19.87.64 The courses are delivered at an institution in the United Arab Emirates .



## Curriculum

19.87.65 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 the degree of MSc – no fewer than 180 credits including a dissertation

| Classes |  | Level | Credits |
|---------|--|-------|---------|
| Z1 916  | Opportunity Recognition                            | 5     | 10      |
| Z1 917  | Selling in an Entrepreneurial Context              | 5     | 10      |
| Z1 918  | Strategic Futures                                  | 5     | 10      |
| Z1 919  | Building a Team                                    | 5     | 10      |
| Z1 920  | Financing New Ventures                             | 5     | 10      |
| Z1 921  | New Business Modelling                             | 5     | 10      |
| Z1 922  | New Venture Creation Intensive Workshop 1          | 5     | 10      |
| Z1 923  | New Venture Management                             | 5     | 10      |
| Z1 924  | Company-Based Investigation                        | 5     | 10      |
| Z1 925  | Entrepreneurial Strategy                           | 5     | 10      |
| Z1 926  | Managing Growth and Exit                           | 5     | 10      |
| Z1 927  | New Venture Creation Intensive Workshop 2          | 5     | 10      |
| Z1 931  | Entrepreneurship, Innovation and Commercialization | 5     | 10      |

Students for the degree of MSc only:

either

|        |              |   |    |
|--------|--------------|---|----|
| Z1 900 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

or

|        |                    |   |    |
|--------|--------------------|---|----|
| Z1 928 | Group Dissertation | 5 | 60 |
|--------|--------------------|---|----|

## Examination, Progress and Final Assessment

19.87.66 Regulations 19.1.25 – 19.1.33 shall apply.

19.87.67 Students who have failed a class may, at the discretion of the Board of Examiners, be permitted one further attempt at the class in the following academic year. Students will normally be permitted to reattend no more than two classes over the entire period of registration.

19.87.68 In order to proceed to the dissertation candidates must submit a satisfactory dissertation proposal and have passed all classes.

19.87.69 The final assessment will be based on performance in all elements of the course.

## Award

19.87.70 **Degree of MSc:** In order to qualify for the award of MSc in Entrepreneurship, 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.

19.87.71 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Entrepreneurship, a student must have accumulated no fewer than 120 credits from the taught classes of the course.

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

19.88  
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:

| Compulsory Classes                      | Level | Credits |
|---|-------|---------|
| MG 914 Managing People in Organizations | 5     | 10      |

|        |  |   |    |
|--------|--|---|----|
| MG 915 | Marketing Management                             | 5 | 10 |
| MG 916 | Operations Management                            | 5 | 10 |
| MG 917 | Financial and Management Accounting              | 5 | 10 |
| MG 918 | Finance and Financial Management                 | 5 | 10 |
| MG 919 | Analytical Support for Decision Making           | 5 | 10 |
| MG 920 | Exploring the International Business Environment | 5 | 10 |
| MG 921 | Strategy Analysis and Evaluation                 | 5 | 10 |
| MG 922 | Making Strategy                                  | 5 | 10 |
| MG 923 | Strategic Consulting in Practice                 | 5 | 10 |
| MG 924 | MBA Project                                      | 5 | 40 |
| MG 982 | The Reflective Practitioner                      | 5 | 20 |

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*

| Compulsory Classes |                             | Level | Credits |
|--------------------|-----------------------------|-------|---------|
| MG817              | Leadership in Organisations | 5     | 20      |

### **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*

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| MG 920             | Exploring the International Business Environment | 5     | 10      |
| MG 922             | Making Strategy                                  | 5     | 10      |
| MG 923             | Strategic Consulting in Practice                 | 5     | 10      |
| MG 924             | MBA Project                                      | 5     | 40      |
| MG 982             | The Reflective Practitioner                      | 5     | 20      |

#### *for students registering with effect from 2010/11*

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| MG 920             | Exploring the International Business Environment | 5     | 10      |
| MG 921             | Strategy Analysis and Evaluation                 | 5     | 10      |
| MG 922             | Making Strategy                                  | 5     | 10      |
| MG 923             | Strategic Consulting in Practice                 | 5     | 10      |
| MG 924             | MBA Project                                      | 5     | 40      |
| MG 982             | The Reflective Practitioner                      | 5     | 20      |

##### Optional Classes

No fewer than 20 credits chosen from the classes listed in Regulation 19.92.6

### **Approved List of Optional Classes**

19.92.6

|        |                                  |   |    |
|--------|----------------------------------|---|----|
| GB 810 | Global Operations Strategy       | 5 | 10 |
| GB 867 | Programme and Project Management | 5 | 10 |
| GB 872 | Change Agency                    | 5 | 10 |

|        |   |   |    |
|--------|---|---|----|
| MG 905 | Reflexive Management Practice                                       | 5 | 10 |
| MG 935 | Strategic Decision Making   | 5 | 10 |
| MG 936 | Strategic Financial Management                                      | 5 | 10 |
| MG 938 | New Venture Creation  | 5 | 10 |
| MG 940 | Business Process Management with SAP                                | 5 | 10 |
| MG 941 | Strategic Risk Management and Accounting                            | 5 | 10 |
| MG 942 | Leadership  | 5 | 10 |
| MG 943 | Business Marketing Relationships                                    | 5 | 10 |
| MG 944 | Creating Value for Shareholders: Challenges and Choices for the CEO | 5 | 10 |
| MG 946 | Effective Measurement of Business Performance                       | 5 | 10 |
| MG 947 | Entrepreneurial Finance   | 5 | 10 |
| MG 949 | Project Risk Analysis and Management                                | 5 | 10 |
| MG 953 | International Business  | 5 | 10 |
| MG 954 | International Accounting and Finance                                | 5 | 10 |
| MG 959 | Brand Development in Asia   | 5 | 10 |
| MG 971 | Marketing in a Digital and Cross-Cultural World                     | 5 | 10 |
| MG 974 | Organisational Ethics   | 5 | 10 |
| MG 980 | Treasury Management and International Finance                       | 5 | 10 |
| MG 986 | Managing Inter-Organizational Partnerships and Alliances            | 5 | 10 |
| MG 958 | Advanced Strategic Management                                       | 5 | 10 |
| MK 804 | Social Media Strategy & Management                                  | 5 | 10 |
| AG 926 | Financial Markets and Corporate Strategy                            | 5 | 10 |
| MG 816 | Sustainability Management   | 5 | 10 |
| AG 927 | Mergers and Acquisitions Across Border Perspectives                 | 5 | 10 |
| HR 939 | People and Performance  | 5 | 10 |
| MG 941 | Strategic Risk Management and Accounting                            | 5 | 10 |
| M804   | Social Business Management and Strategy                             | 5 | 10 |
| MKXX   | Retail Marketing Management   | 5 | 10 |
| MG956  | Brand Management and Strategy                                       | 5 | 10 |
| MG939  | E Commerce Strategy   |   |    |
| MK805  | Social Business Management and Strategy (Online5                    | 5 | 10 |
| MK815  | Coprorate and Social Responsibility                                 | 5 | 10 |
| MS976  | Service Operations and Simulation                                   | 5 | 10 |
| MG821  | Leadership for Change and Innovation                                | 5 | 10 |
| MG955  | Managing in Europe  | 5 | 10 |
| EC936  | Games of Strategy   | 5 | 10 |
| MG972  | Developing Effective Consulitng Skills                              | 5 | 10 |
| MG946  | Effective Measurement of Business Performance                       | 5 | 10 |

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.

### **Award**

- 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 **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.
- Transfer**
- 19.92.11 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.
- 19.92.12 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.
- 19.92.13 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.
- 19.92.14  
to 19.92.20 (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:

| Optional Classes  | Level | Credits |
|---|-------|---------|
| No fewer than 120 credits chosen from                   |       |         |
| MG915 Marketing Management                              | 5     | 10      |
| MG916 Operations Management                             | 5     | 10      |
| MG914 Managing People in Organizations                  | 5     | 10      |
| MG 917 Financial and Management Accounting              | 5     | 10      |
| MG 918 Finance and Financial Management                 | 5     | 10      |
| MG 919 Analytical Support for Decision Making           | 5     | 10      |
| MG 920 Exploring the International Business Environment | 5     | 10      |
| MG 921 Strategy Analysis and Evaluation                 | 5     | 10      |
| 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.

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

19.92.25 Regulations 19.1.25 – 19.1.33 shall apply.

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:

| Optional Classes*                                       | Level | Credits |
|---|-------|---------|
| No fewer than 60 credits chosen from:                   |       |         |
| GB 962 Marketing Management                             | 5     | 10      |
| GB 963 Operations Management                            | 5     | 10      |
| GB 964 Managing People in Organizations                 | 5     | 10      |
| MG 917 Financial and Management Accounting              | 5     | 10      |
| MG 918 Finance and Financial Management                 | 5     | 10      |
| MG 919 Analytical Support for Decision Making           | 5     | 10      |
| MG 920 Exploring the International Business Environment | 5     | 10      |
| MG 921 Strategy Analysis and Evaluation                 | 5     | 10      |
| 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 |                                  | Level | Credits |
|--------------------|----------------------------------|-------|---------|
| MG 918             | Finance and Financial Management | 5     | 10      |
| MG 916             | Operations Management            | 5     | 10      |
| MG 914             | Managing People in Organisations | 5     | 10      |
| MG 937             | Programme and Project Management | 5     | 10      |

#### Optional Classes

No fewer than 20 credits chosen from the classes listed below

|        |  |   |    |
|--------|--|---|----|
| MG 922 | Making Strategy                                  | 5 | 10 |
| MG 921 | Strategy, Analysis and Evaluation                | 5 | 10 |
| MG 919 | Analytical Support for Decision Making           | 5 | 10 |
| MG 920 | Exploring the International Business Environment | 5 | 10 |
| MG 917 | Financial and Management Accounting              | 5 | 10 |
| MG 915 | Marketing Management                             | 5 | 10 |
| MG 923 | Strategic Consulting In Practice                 | 5 | 10 |
| BF999  | Managing Innovation                              | 5 | 10 |
| M9 831 | Commercial Law                                   | 5 | 10 |

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:**

**Compulsory Classes:**

|        |  |   |    |
|--------|--|---|----|
| MG926  | Managing People in Organisations       | 5 | 10 |
| MG925  | Marketing Management                   | 5 | 10 |
| MG929  | Finance and Financial Management       | 5 | 10 |
| MG928  | 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:

|       |   |   |    |
|-------|---|---|----|
| 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 |
| MGXXX | Exploring Resourceful Strategy Practice               | 5 | 10 |
| MG955 | Managing in Europe (Toulouse)                         | 5 | 10 |

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*

|       |                         |   |    |
|-------|-------------------------|---|----|
| MG933 | Individual Dissertation | 5 | 60 |
|-------|-------------------------|---|----|

**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 19.92.80 (Numbers not used)

**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 MBM project 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 MBM project.

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 19.92.80 (Numbers not used)

## Management Information Technology Systems

### MSc in Management of Information Technology Systems

### Postgraduate Diploma in Management of Information Technology Systems

### Postgraduate Certificate in Management of Information Technology Systems

#### Course Regulations

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

#### Admission

19.92.81 Regulations 19.1.1 and 19.1.2 shall apply.

#### Duration of Study

19.92.82 Regulations 19.1.5 and 19.1.6 shall apply.

#### Mode of Study

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

#### Curriculum

19.92.84 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  
for the degree of MSc – no fewer than 180 credits including an individual dissertation or a group project

| Compulsory Classes             |   | Level | Credits |
|--------------------------------|---|-------|---------|
| MG801                          | Managing Complexity in Organisations                  | 5     | 20      |
| MG802                          | Critical Engagement with Technology                   | 5     | 10      |
| MG803                          | Creativity Change and Innovation                      | 5     | 20      |
| MG804                          | Strategic Technology Management                       | 5     | 20      |
| MG805                          | Management Information Systems                        | 5     | 10      |
| MG806                          | IT Project Management                                 | 5     | 20      |
| MG807                          | Integrated Business Process Management                | 5     | 20      |
| MG808                          | Project   | 5     | 40      |
| 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      |
| MGXXX                          | Exporing Resourceful Strategy Practice                | 5     | 10      |
| MG955                          | Managing in Europe (Toulouse)                         | 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 808 | Individual Dissertation | 5 | 40 |
|--------|-------------------------|---|----|

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

19.92.85 Regulations 19.1.19 and 19.1.20 shall apply.

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

### **Award**

19.92.87 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Management of Information Technology Systems, a candidate must have accumulated no fewer than 180 credits, of which 40 must have been awarded in respect of the individual or group project.

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

19.92.89 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Management of Information Technology Systems, a student must have accumulated no fewer than 60 credits from the taught classes of the course.

19.92.90

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

#### Compulsory Classes

|       |   |   |    |
|-------|---|---|----|
| MG961 | Global Business Environment                 | 5 | 20 |
| MG962 | Managing Across Cultures                    | 5 | 20 |
| MG963 | Strategub and Organsiation Across Borders   | 5 | 20 |
| MG964 | International Marketing                     | 5 | 10 |
| MG965 | International Human Resource Management     | 5 | 10 |
| MG966 | International Financial Management          | 5 | 10 |
| MG967 | International Entrepreneurship              | 5 | 10 |
| MG960 | International Manager Development Programme | 5 | 20 |

#### 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 |
| MGXXX | Exporing Resourceful Strategy Practice                | 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              | 5 | 40 |

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

19.92.105 Regulations 19.1.25 – 19.1.33 shall apply.

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.

**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)

## Advanced Management Learning

### Postgraduate Certificate in Advanced Management Learning

#### Course Regulations

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

#### Admission

19.92.111

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 management at an appropriate level.

#### Duration of Study

19.92.112

Regulations 19.1.4 and 19.1.5 shall apply.

#### Mode of Study

19.92.113

The course is available by mixed-mode of study only.

#### Curriculum

19.92.114

All students shall undertake an approved curriculum as follows:

| Compulsory Class                              | Level | Credits |
|---|-------|---------|
| MG xxx Management and Organisational Learning | 5     | 20      |

#### Optional Classes

No fewer than 40 credits chosen from:

|   |   |    |
|---|---|----|
| MG 911 The Reflective Practitioner                      | 5 | 20 |
| MG 914 Managing People in Organisations                 | 5 | 10 |
| MG 915 Marketing Management                             | 5 | 10 |
| MG 916 Operations Management                            | 5 | 10 |
| MG 917 Financial and Management Accounting              | 5 | 10 |
| MG 918 Finance and Financial Management                 | 5 | 10 |
| MG 919 Analytical Support for Decision Making           | 5 | 10 |
| MG 920 Exploring the International Business Environment | 5 | 10 |
| MG 921 Strategy, Analysis and Evaluation                | 5 | 10 |
| MG 922 Making Strategy                                  | 5 | 10 |
| MG 923 Strategic Consulting In Practice                 | 5 | 10 |

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

#### Examination, Progress and Final Assessment

19.92.115

Regulations 19.1.25 – 19.1.33 shall apply.



19.92.116 The final assessment will be based on performance in all elements of the course and, if appropriate, an oral examination.

**Award**

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

**Transfer**

19.92.118 In relation to the transfer from the Postgraduate Certificate in Advanced Management Learning to the Postgraduate Diploma in Business, or the Master of Business Administration, Regulations 19.1.29 – 19.1.33 shall apply as appropriate.

19.92.119

To 19.92.120 (Numbers not used)

## Management

### Master in Management Postgraduate Diploma in Management Postgraduate Certificate in Management

#### Course Regulations

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

#### Admission

19.92.121 Notwithstanding Regulation 19.1.1

- (i) possess a degree (or in the case of direct entry to a Masters programme, a first or second class honours degree); 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

Holders of BA degrees in Business Studies or equivalent general business degrees shall not normally be eligible.

#### Duration of Study

19.92.122 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
- for the Postgraduate Diploma by full-time study – 18 months
- for the Postgraduate Certificate by full time study – 12 months

#### Mode of Study

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

#### Place of Study

19.92.124 The courses are taught at the SKIL Centre, India.

#### Curriculum

19.92.125 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 240 credits including the project

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| MG 914             | Managing People in Organisations       | 5     | 10      |
| MG 915             | Marketing Management                   | 5     | 10      |
| MG 918             | Finance and Financial Management       | 5     | 10      |
| MG 919             | 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 995             | Professional Management Practice       | 5     | 20      |

|  |   |   |    |
|--|---|---|----|
| MG 999                                 | Business Ethics and CSR in the Global Environment | 5 | 20 |
| Students for the degree of Master only |   |   |    |
| MG 996                                 | Research Methods for Projects                     | 5 | 20 |
| MG 997                                 | Project   | 5 | 40 |

#### Optional Classes

No fewer than 60 credits from the chosen specialisation as approved by the Course Director.

#### Examination, Progress and Final Assessment

19.92.126 Regulations 19.1.25 – 19.1.33 shall apply.

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

#### Award

19.92.128 **Degree of Master:** In order to qualify for the award of the degree of Master in Management, a candidate must have accumulated no fewer than 240 credits, of which 40 must have been awarded in respect of the Project .

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

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

## 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

| Compulsory Classes                    |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| MS 921                                | Foundations of Operational Research and Business Analysis             | 5     | 10      |
| MS 922                                | Quantitative Business Analysis  | 5     | 10      |
| MS 923                                | Managing Business Operations  | 5     | 10      |
| MS 924                                | Spreadsheet Modelling and Demand Forecasting                          | 5     | 10      |
| MS 932                                | Operational Research Methods  | 5     | 10      |
| Optional Classes                      |   |       |         |
| No fewer than 10 credits chosen from: |   |       |         |
| MS 926                                | Business Simulation Methods   | 5     | 10      |
| MS 927                                | Risk Analysis and Management  | 5     | 10      |
| MS 931                                | Advanced Operations Research Modeling using Specialist Software Tools | 5     | 10      |
| MS 933                                | Decision Analysis   | 5     | 10      |

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

| Compulsory Class |                                   | Level | Credits |
|------------------|-----------------------------------|-------|---------|
| 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 19.93.20 (Number not used)

## Reliability and Maintainability

### Postgraduate Certificate in Reliability and Maintainability

#### Course Regulations

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

#### Admissions

19.93.21

Regulations 19.1.1 - 19.1.4 shall apply.

#### Duration of Study

19.93.22

Regulations 19.1.5 and 19.1.6 shall apply.

#### Mode of Study

19.93.23

The course is available by part-time study only.

#### Curriculum

19.93.24

All students shall undertake an approved curriculum as follows:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| MS 501             | Mathematical and Statistical Modelling  | 5     | 5       |
| MS 502             | Basic Reliability Theory and Techniques | 5     | 5       |
| MS 503             | Advanced System Reliability Modelling   | 5     | 5       |

|        |   |   |    |
|--------|---|---|----|
| MS 504 | Reliability Management and Case                       | 5 | 15 |
| MS 505 | Maintainability, Maintenance, Testability and Testing | 5 | 10 |
| MS 506 | Software Reliability and Maintainability              | 5 | 10 |
| MS 507 | Modelling within Reliability and Maintainability      | 5 | 10 |

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

- 19.93.25 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework.
- 19.93.26 Candidates who fail to satisfy the Board of Examiners in respect of not more than two classes at the first diet, may in the light of their overall performance and subject to the Board of Examiners, be permitted one further attempt to pass the relevant class(es), normally up to the end of the following academic year.
- 19.93.27 The final assessment will be based on performance in the examinations and coursework.

### **Award**

- 19.93.28 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Reliability and Maintainability, a candidate must have accumulated no fewer than 60 credits.
- 19.93.29 A candidate who satisfies the requirements of the regulations for the award of the Postgraduate Certificate and who has, in the opinion of the Board of Examiners, and according to prescribed criteria, attained a high level of performance, may be awarded a Postgraduate Certificate with Merit.
- 19.93.30 (Number not used.)

## **Communications Management**

### **Master of Communications Management Postgraduate Diploma in Communications Management**

#### **Course Regulations**

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

#### **Admission**

- 19.93.31 Regulations 19.1.1 and 19.1.2 shall apply.  
In addition, applicants are normally required to have had a minimum of five years communications management experience.

#### **Duration of Study**

- 19.93.32 Regulations 19.1.5 and 19.1.6 shall apply

#### **Place of Study**

- 19.93.33 As permitted by Regulation 19.1.8, study may be undertaken at the University of Strathclyde or at Telekom Malaysia.

#### **Mode of Study**

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

### **Curriculum**

19.93.35 All students shall undertake an approved curriculum as follows:

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

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| BF 902             | Strategic Business Planning in Communications                         | 5     | 10      |
| BF 903             | Financial Analysis and Modelling for the Communications Sector        | 5     | 10      |
| BF 905             | The Principles and Practice of Communications Policy                  | 5     | 10      |
| BF 906             | Topics in Communications Management                                   | 5     | 20      |
| BF 908             | Telecommunications Law  | 5     | 10      |
| BF 974             | International Human Resources Management in the Communications Sector | 5     | 10      |
| MS 916             | Communications Technology   | 5     | 10      |
| MS 917             | The Communications Environment  | 5     | 10      |

| Optional Classes                      |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| No fewer than 30 credits chosen from: |   |       |         |
| BF 907                                | E-Commerce and its Impact                                 | 5     | 10      |
| BF 909                                | International Joint Ventures and Strategic Alliances      | 5     | 10      |
| BF 910                                | Customer-Focused Management in Communication              | 5     | 10      |
| BF 911                                | Risk and Project Management of Projects in Communications | 5     | 10      |
| BF 912                                | Management of Employee Relations in Communications        | 5     | 10      |
| BF 965                                | ICT and Development                                       | 5     | 10      |
| BF 975                                | Exploring the Internet: Policy and Governance Issues      | 5     | 10      |

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

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

|        |                             |   |    |
|--------|-----------------------------|---|----|
| BF 990 | Individual Research Project | 5 | 60 |
|--------|-----------------------------|---|----|

**Examination, Progress and Final Assessment**

19.93.36 Regulations 19.1.25 – 19.1.33 shall apply.

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

**Award**

19.93.38 **Degree of MCM:** In order to qualify for the award of the degree of Master of Communications 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 Project.

- 19.93.39 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Communications Management, a candidate must have accumulated no fewer than 120 credits.
- 19.93.40 (Number 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

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| MS 921             | Foundations of Operational Research and Business Analysis | 5     | 10      |
| MS 922             | Quantitative Business Analysis                            | 5     | 10      |
| MS 923             | Managing Business Operations                              | 5     | 10      |
| MS 924             | Spreadsheet Modelling and Demand Forecasting              | 5     | 10      |
| MS 925             | Strategy Modelling and Management                         | 5     | 10      |

### **Optional Classes**

No fewer than 10 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| MS 926 | Business Simulation Methods            | 5 | 10 |
| MS 927 | Risk Analysis and Management           | 5 | 10 |
| MS 928 | Business Information Systems           | 5 | 10 |
| MS 929 | Performance Measurement and Management | 5 | 10 |

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



|                  |  |   |    |
|------------------|--|---|----|
| Compulsory Class |  |   |    |
| 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.

## 19.94 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 second class Honours degree from a United Kingdom university which does not contain a substantial element of Marketing; 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 and part-time study.

#### 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 a project

| Compulsory Classes |                                | Level | Credits |
|--------------------|--------------------------------|-------|---------|
| MK 970             | Strategic Marketing Management | 5     | 20      |
| MK 971             | Marketing Research             | 5     | 20      |
| MK 972             | Consumer Behaviour             | 5     | 20      |

In addition, students for Postgraduate Diploma and degree of MSc shall undertake:

Compulsory Classes:

|        |                     |   |    |
|--------|---------------------|---|----|
| MK 968 | Key Skills          | 5 | 10 |
| MK 969 | Dissertation Skills | 5 | 10 |

Optional Classes:

No fewer than 40 credits chosen from

|        |                              |   |    |
|--------|------------------------------|---|----|
| MK 800 | Sector Studies               | 5 | 10 |
| 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 983 | Brand Management and Strategy                | 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  
Compulsory Classes

|        |                       |   |    |
|--------|-----------------------|---|----|
| MK 988 | Customer Management 1 | 5 | 10 |
| OR     |                       |   |    |
| MK 989 | Customer Management 2 | 5 | 10 |

PLUS 10 credits from a list of electives deemed appropriate by the department.

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 |
| MK973  | Marketing Works | 5 | 20 |

**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 two classes 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, the dissertation where undertaken and, if required, in an oral examination.

### **Award**

19.94.8 **Degree of MSc:** In order to qualify for the award of the degree of MSc in Marketing, a candidate must 40

### **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 two classes 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, the dissertation where undertaken and, if required, in an oral examination.

### **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 60 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 60 must have been awarded in respect of the dissertation and 20 must be from the optional classes for the named pathway.

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 taught classes of the course.

19.94.10

to 19.94.20 (Numbers not used)

## **International Marketing**

### **MSc in International Marketing**

### **MSc in International Management 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 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 second class Honours degree of a United Kingdom University (in a non-cognate discipline) and 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 and distance learning.

### **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 a project

| Compulsory Classes |  | Level | Credit |
|--------------------|--|-------|--------|
| MK 941             | Internationalisation Marketing Strategies and Management | 5     | 20     |
| MK 943             | International Marketing Planning and Control             | 5     | 10     |
| MK 975             | Cross-Cultural Buyer Behaviour                           | 5     | 20     |
| MK 977             | International Marketing Research                         | 5     | 10     |

In addition, students for the degree of MSc and Postgraduate Diploma shall undertake:

| Compulsory Classes |                     | Level | Credit |
|--------------------|---------------------|-------|--------|
| MK 968             | Key Skills          | 5     | 10     |
| MK 969             | Dissertation Skills | 5     | 10     |

### **Optional Classes**

No fewer than 40 credits chosen from:

|        |                                      |   |    |
|--------|--------------------------------------|---|----|
| MK 800 | Sector Studies                       | 5 | 10 |
| 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 983 | Brand Management and Strategy        | 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

##### Compulsory Classes

|        |                       |   |    |
|--------|-----------------------|---|----|
| MK 988 | Customer Management 1 | 5 | 10 |
| OR     |                       |   |    |
| MK 989 | Customer Management 2 | 5 | 10 |

PLUS 10 credits from a list of electives deemed appropriate by the department.

#### 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 |
| MK978  | Marketing Works International | 5 | 20 |

#### **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, if appropriate, in an oral examination. For candidates for the degree of MSc candidates, the final assessment will also be based on the dissertation.

#### **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 60 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 60 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.

## International Hospitality Management

### MSc in International Hospitality Management

### Postgraduate Diploma in International Hospitality Management

### Postgraduate Certificate in International Hospitality Management

#### Course Regulations

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

#### Admission

19.94.31 Regulations 19.1.1 and 19.1.2 shall apply.

#### Duration of Study

19.94.32 Regulations 19.1.5 and 19.1.6 shall apply.

#### Mode of Study

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

#### Curriculum

19.94.34 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate - no fewer than 60 credits of which 40 must be from List A and 20 must be from List D

for the Postgraduate Diploma - no fewer than 120 credits including those for all classes in Lists A and B, 10 from List C and 30 from List D

for degree of MSc - no fewer than 180 credits including those for all classes in Lists A and B, 10 from List C and 30 from List D plus a 60 credit dissertation

#### Classes

##### List A

|        |  |   |    |
|--------|--|---|----|
| MK 952 | The International Hospitality and Tourism Industry             | 5 | 20 |
| MK 954 | Theories and Concepts in International Hospitality and Tourism | 5 | 20 |
| MK 961 | Hospitality Operations Management                              | 5 | 20 |

##### List B

|        |  |   |    |
|--------|--|---|----|
| MK 955 | Research Methods for Hospitality and Tourism | 5 | 20 |
|--------|--|---|----|

##### List C

|        |   |   |    |
|--------|---|---|----|
| MK 951 | Food, Beverage and Society                    | 5 | 10 |
| MK 953 | Strategic Issues in International Hospitality | 5 | 10 |

##### List D

|        |                                  |   |    |
|--------|----------------------------------|---|----|
| MG 956 | Marketing Management             | 5 | 10 |
| MG 957 | Managing People in Organisations | 5 | 10 |
| MK 958 | Business and Management          | 5 | 10 |

For the degree of MSc only:

|        |              |   |    |
|--------|--------------|---|----|
| MK 967 | Dissertation | 5 | 60 |
|--------|--------------|---|----|



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

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

### **Award**

- 19.94.37 **Degree of MSc:** In order to qualify for the degree of MSc in International Hospitality Management, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.  
19.94.38 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Hospitality Management, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.  
19.94.39 **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in International Hospitality Management, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.  
to 19.94.40 (Number not used)

## **International Tourism Management**

### **MSc in International Tourism Management**

### **Postgraduate Diploma in International Tourism Management**

### **Postgraduate Certificate in International Tourism Management**

### **Course Regulations**

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

### **Admission**

- 19.94.41 Regulations 19.1.1 and 19.1.2 shall apply.

### **Duration of Study**

- 19.94.42 Regulations 19.1.5 and 19.1.6 shall apply.

### **Mode of Study**

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

### **Curriculum**

- 19.94.44 All students shall undertake an approved curriculum as follows:

for the Postgraduate Certificate - no fewer than 60 credits of which 40 must be from List A and 20 from List D  
for the Postgraduate Diploma - no fewer than 120 credits including those for all the classes in Lists A and B, 10 from List C and 30 from List D

for degree of MSc - no fewer than 180 credits including those for all classes in Lists A and B, 10 from List C and 30 from List D plus a 60 credit dissertation

#### Classes

##### List A

|        |  |   |    |
|--------|--|---|----|
| MK 952 | The International Hospitality and Tourism Industry             | 5 | 20 |
| MK 954 | Theories and Concepts in International Hospitality and Tourism | 5 | 20 |
| MK 959 | Tourism Planning and Development                               | 5 | 20 |

##### List B

|        |  |   |    |
|--------|--|---|----|
| MK 955 | Research Methods for Hospitality and Tourism | 5 | 20 |
|--------|--|---|----|

##### List C

|        |                      |   |    |
|--------|----------------------|---|----|
| MK 960 | Culture and Heritage | 5 | 10 |
| MK 962 | Tourist Behaviour    | 5 | 10 |

##### List D

|        |                                  |   |    |
|--------|----------------------------------|---|----|
| MK 956 | Marketing Management             | 5 | 10 |
| MK 957 | Managing People in Organisations | 5 | 10 |
| MK 958 | Business and Management          | 5 | 10 |

For the degree of MSc only:

|        |              |   |    |
|--------|--------------|---|----|
| MK 967 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

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

19.94.45 Regulations 19.1.25 – 19.1.33 shall apply.

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

#### **Award**

19.94.47 **Degree of MSc:** In order to qualify for the award of the degree of MSc in International Tourism Management, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Dissertation.

19.94.48 **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in International Tourism Management, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

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

19.94.50 (Number not used)

## **International Hospitality and Tourism Management**

### **MSc in International Hospitality and Tourism Management**

### **Postgraduate Diploma in International Hospitality and Tourism Management**

### **Postgraduate Certificate in International Hospitality and Tourism Management**

#### **Course Regulations**

(These regulations are to be read in conjunction with Regulation 19.1)

#### **Admission**

19.94.51 Regulations 19.1.1 and 19.1.2 shall apply.

#### **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 and part-time study.

#### **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 degree of MSc - no fewer than 180 credits including a dissertation and an Industry Project

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| MK 970             | Strategic Marketing Management                        | 5     | 20      |
| MK 980             | International Hospitality and Tourism Management      | 5     | 20      |
| MK 979             | Hospitality and Tourism Research: Agendas and Methods | 5     | 20      |

In addition, students for Postgraduate Diploma and degree of MSc shall undertake:

#### Compulsory Classes:

|        |                     |   |    |
|--------|---------------------|---|----|
| MK 968 | Key Skills          | 5 | 10 |
| MK 969 | Dissertation Skills | 5 | 10 |

#### Optional Classes:

No fewer than 40 credits chosen from

|        |                                      |   |    |
|--------|--------------------------------------|---|----|
| MK 800 | Sector Studies                       | 5 | 10 |
| MK 801 | Service Encounter Management         | 5 | 10 |
| MK 802 | Social Marketing                     | 5 | 10 |
| MK 803 | Sports Marketing in a Global Context | 5 | 10 |
| MK 982 | Area Studies                         | 5 | 10 |
| MK 983 | Brand Management and Strategy        | 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 |
| MK951  | Food, Beverage & Society                     | 5 | 10 |
| MK962  | Tourist Behaviour                            | 5 | 10 |

For the degree of MSc only:

|        |                  |   |    |
|--------|------------------|---|----|
| MK 967 | Dissertation     | 5 | 40 |
| MK 981 | Industry Project | 5 | 20 |

Specialisaiton in Marketing  
Compulosry Classes:

20 credits from a list of electives deemed appropriate by the department.

PLUS

20 credits from list of classes in regulation 19.94.54

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

19.94.55

Regulations 19.1.25 – 19.1.33 shall apply.

19.94.56

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

### **Award**

19.94.57

**Degree of MSc:** In order to qualify for the degree of MSc in International Hospitality and Tourism Management, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.

19.94.58

**Postgraduate Diploma:** In order to qualify for the award of a Postgraduate Diploma in International Hospitality and Tourism Management, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.

19.94.59

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

19.95  
to 19.119

(Numbers not used)

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

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

### **Award**

- 19.94.57 **Degree of MSc:** In order to qualify for the degree of MSc in International Hospitality and Tourism Management, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the dissertation.
- 19.94.58 **Postgraduate Diploma:** In order to qualify for the award of a Postgraduate Diploma in International Hospitality and Tourism Management, a candidate must have accumulated no fewer than 120 credits from the taught classes of the course.
- 19.94.59 **Postgraduate Certificate:** In order to qualify for the award of a Postgraduate Certificate in International Hospitality and Tourism Management, a candidate must have accumulated no fewer than 60 credits from the taught classes of the course.
- 19.94.60  
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 Pedagogue  
Education Studies  
Inclusive Education  
Management and Leadership in Education  
Philosophy with Children  
Supporting Bilingual Learners in the Mainstream Classroom  
Supporting Teacher Learning

#### **Postgraduate Diploma**

Adult Guidance  
Autism  
Early Years Pedagogue  
Education Studies  
Inclusive Education  
Management and Leadership in Education  
School Leadership and Management (Scottish Qualification for Headship)  
Adult Guidance and Autism  
Adult Guidance and Early Years Pedagogue  
Adult Guidance and Education Studies  
Adult Guidance and Inclusive Education  
Adult Guidance and Management and Leadership in Education  
Adult Guidance and Philosophy with Children  
Adult Guidance and Supporting Bilingual Learners in the Mainstream Classroom  
Adult Guidance and Supporting Teacher Learning  
Autism and Early Years Pedagogue  
Autism and Education Studies  
Autism and Inclusive Education  
Autism and Management and Leadership in Education  
Autism and Philosophy with Children  
Autism and Supporting Bilingual Learners in the Mainstream Classroom  
Autism and Supporting Teacher Learning  
Inclusive Education and Education Studies

Inclusive Education and Management and Leadership in Education  
Inclusive Education and Philosophy with Children  
Inclusive Education and Supporting Bilingual Learners in the Mainstream Classroom  
Inclusive Education and Supporting Teacher Learning  
Management and Leadership in Education and Education Studies  
Management and Leadership in Education and Supporting Bilingual Learners in the Mainstream Classroom  
Management and Leadership in Education and Supporting Teacher Learning  
Philosophy with Children and Education Studies  
Philosophy with Children and Supporting Bilingual Learners in the Mainstream Classroom  
Philosophy with Children and Supporting Teacher Learning  
Supporting Bilingual Learners in the Mainstream Classroom and Education Studies  
Supporting Bilingual Learners in the Mainstream Classroom and Supporting Teacher Learning  
Supporting Teacher Learning and Education Studies

### **Master of Education**

Adult Guidance  
Autism  
Early Years Pedagogue  
Education Studies  
Inclusive Education  
Management and Leadership in Education  
Professional Practice  
School Leadership and Management (Scottish Qualification for Headship)  
Adult Guidance with Autism  
Adult Guidance with Early Years Pedagogue  
Adult Guidance with Education Studies  
Adult Guidance with Inclusive Education  
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 Pedagogue  
Autism with Education Studies  
Autism with Inclusive Education  
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 Pedagogue with Adult Guidance  
Early Years Pedagogue with Autism  
Early Years Pedagogue with Education Studies  
Early Years Pedagogue with Inclusive Education  
Early Years Pedagogue with Management and Leadership in Education  
Early Years Pedagogue with Philosophy with Children

Early Years Pedagogue with Supporting Bilingual Learners in the Mainstream Classroom  
 Early Years Pedagogue with Supporting Teacher Learning  
 Education Studies with Adult Guidance  
 Education Studies with Autism  
 Education Studies with Early Years Pedagogue  
 Education Studies with Inclusive Education  
 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 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 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 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 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 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 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 Pedagogue   | Regulation 19.120.8  |
| Education Studies   | Regulation 19.120.9  |
| Inclusive Education   | Regulation 19.120.10 |
| Management and Leadership in Education  | Regulation 19.120.11 |
| Professional Practice   | Regulation 19.120.12 |
| School Leadership and Management (Scottish Qualification for Headship )           | Regulation 19.120.13 |
| Philosophy with Children  | Regulation 19.120.14 |
| Supporting Bilingual Learners in the Mainstream Classroom                         | Regulation 19.120.15 |
| Supporting Teacher Learning   | Regulation 19.120.16 |
| Adult Guidance with/and Autism  | Regulation 19.120.17 |
| Adult Guidance with/and Early Years Pedagogue                                     | Regulation 19.120.18 |
| Adult Guidance with/and Education Studies   | Regulation 19.120.19 |
| Adult Guidance with/and Inclusive Education                                       | Regulation 19.120.20 |
| Adult Guidance with/and Management and Leadership in Education                    | Regulation 19.120.21 |
| Adult Guidance with/and Philosophy with Children                                  | Regulation 19.120.22 |
| Adult Guidance with/and Supporting Bilingual Learners in the Mainstream Classroom | Regulation 19.120.23 |
| Adult Guidance with/and Supporting Teacher Learning                               | Regulation 19.120.24 |
| Autism with Adult Guidance  | Regulation 19.120.25 |
| Autism with/and Early Years Pedagogue   | Regulation 19.120.26 |
| Autism with/and Education Studies   | Regulation 19.120.27 |
| Autism with/and Inclusive Education   | Regulation 19.120.28 |
| Autism with/and Management with Leadership in Education                           | Regulation 19.120.29 |
| Autism with/and Philosophy with Children  | Regulation 19.120.30 |

|  |                      |
|--|----------------------|
| Autism with/and Supporting Bilingual Learners in the Mainstream Classroom                | Regulation 19.120.31 |
| Autism with/and Supporting Teacher Learning  | Regulation 19.120.32 |
| Early Years Pedagogue with Adult Guidance  | Regulation 19.120.33 |
| Early Years Pedagogue with Autism  | Regulation 19.120.34 |
| Early Years Pedagogue with/and Education Studies   | Regulation 19.120.35 |
| Early Years Pedagogue with/and Inclusive Education                                       | Regulation 19.120.36 |
| Early Years Pedagogue with/and Management and Leadership in Education                    | Regulation 19.120.37 |
| Early Years Pedagogue with/and Philosophy with Children                                  | Regulation 19.120.38 |
| Early Years Pedagogue with/and Supporting Bilingual Learners in the Mainstream Classroom | Regulation 19.120.39 |
| Early Years Pedagogue with/and Supporting Teacher Learning                               | Regulation 19.120.40 |
| Education Studies with Adult Guidance  | Regulation 19.120.41 |
| Education Studies with Autism  | Regulation 19.120.42 |
| Education Studies with Early Years Pedagogue   | Regulation 19.120.43 |
| Education Studies with/and Inclusive Education   | Regulation 19.120.44 |
| Education Studies with/and Management and Leadership in Education                        | Regulation 19.120.45 |
| Education Studies with/and Philosophy with Children                                      | Regulation 19.120.46 |
| Education Studies with/and Supporting Bilingual Learners in the Mainstream Classroom     | Regulation 19.120.47 |
| Education Studies with/and Supporting Teacher Learning                                   | Regulation 19.120.48 |
| Inclusive Education with Adult Guidance  | Regulation 19.120.49 |
| Inclusive Education with Autism  | Regulation 19.120.50 |
| Inclusive Education with Early Years Pedagogue   | Regulation 19.120.51 |
| Inclusive Education with Education Studies   | Regulation 19.120.52 |
| Inclusive Education with/and Management and Leadership in Education                      | Regulation 19.120.53 |
| Inclusive Education with/and Philosophy with Children                                    | Regulation 19.120.54 |
| Inclusive Education with/and Supporting Bilingual Learners in the Mainstream Classroom   | Regulation 19.120.55 |
| Inclusive Education with/and Supporting Teacher Learning                                 | Regulation 19.120.56 |
| Management and Leadership in Education with Adult Guidance                               | Regulation 19.120.57 |
| Management and Leadership in Education with Autism                                       | Regulation 19.120.58 |
| Management and Leadership in Education with Early Years Pedagogue                        | Regulation 19.120.59 |
| Management and Leadership in Education with Education Studies                            | Regulation 19.120.60 |
| Management and Leadership in Education with Inclusive Education                          | Regulation 19.120.61 |

|   |                      |
|---|----------------------|
| Management and Leadership in Education<br>with/and Philosophy with Children                                     | Regulation 19.120.62 |
| Management and Leadership in Education<br>with/and Supporting Bilingual Learners in the<br>Mainstream Classroom | Regulation 19.120.63 |
| Management and Leadership in Education<br>with/and Supporting Teacher Learning                                  | Regulation 19.120.64 |
| Philosophy with Children with Adult Guidance  | Regulation 19.120.65 |
| Philosophy with Children with Autism  | Regulation 19.120.66 |
| Philosophy with Children with<br>Early Years Pedagogue  | Regulation 19.120.67 |
| Philosophy with Children with<br>Education Studies  | Regulation 19.120.68 |
| Philosophy with Children with<br>Inclusive Education  | Regulation 19.120.69 |
| Philosophy with Children with<br>Management and Leadership in Education   | Regulation 19.120.70 |
| Philosophy with Children with/and Supporting<br>Bilingual Learners in the Mainstream<br>Classroom               | Regulation 19.120.71 |
| Philosophy with Children with/and<br>Supporting Teacher Learning  | Regulation 19.120.72 |
| Professional Practice with Adult Guidance   | Regulation 19.120.73 |
| Professional Practice with Autism   | Regulation 19.120.74 |
| Professional Practice with<br>Early Years Pedagogue   | Regulation 19.120.75 |
| Professional Practice with Inclusive Education  | Regulation 19.120.76 |
| Professional Practice with Management<br>and Leadership in Education  | Regulation 19.120.77 |
| Professional Practice with<br>Philosophy with Children  | Regulation 19.120.78 |
| Professional Practice with Supporting<br>Bilingual Learners in the Mainstream<br>Classroom                      | Regulation 19.120.79 |
| Professional Practice with<br>Supporting Teacher Learning   | Regulation 19.120.80 |
| Supporting Bilingual Learners in the Mainstream<br>Classroom with Adult Guidance                                | Regulation 19.120.81 |
| Supporting Bilingual Learners in the<br>Mainstream Classroom with Autism  | Regulation 19.120.82 |
| Supporting Bilingual Learners in the<br>Mainstream Classroom with Early Years<br>Pedagogue                      | Regulation 19.120.83 |
| Supporting Bilingual Learners in the<br>Mainstream Classroom with Education<br>Studies                          | Regulation 19.120.84 |
| Supporting Bilingual Learners in the<br>Mainstream Classroom with Inclusive Education                           | Regulation 19.120.85 |
| Supporting Bilingual Learners in the<br>Mainstream Classroom with Management and<br>Leadership in Education     | Regulation 19.120.86 |
| Supporting Bilingual Learners in the  |                      |

|  |                      |
|--|----------------------|
| Mainstream Classroom with Philosophy with Children   | Regulation 19.120.87 |
| Supporting Bilingual Learners in the Mainstream Classroom with/and Supporting Teacher Learning | Regulation 19.120.88 |
| Supporting Teacher Learning in the Mainstream Classroom with Adult Guidance                    | Regulation 19.120.89 |
| Supporting Teacher Learning with Autism  | Regulation 19.120.90 |
| Supporting Teacher Learning with Early Years Pedagogue   | Regulation 19.120.91 |
| Supporting Teacher Learning with Education Studies   | Regulation 19.120.92 |
| Supporting Teacher Learning with Inclusive Education   | Regulation 19.120.93 |
| Supporting Teacher Learning with Management and Leadership in Education                        | Regulation 19.120.94 |
| Supporting Teacher Learning Classroom with Philosophy with Children                            | Regulation 19.120.95 |
| Supporting Teacher Learning with Supporting Bilingual Learners in the Mainstream Classroom     | Regulation 19.120.96 |

### **MEd, Postgraduate Diploma and Postgraduate Certificate in Adult Guidance**

19.120.6 All students shall undertake an approved curriculum as follows

| Compulsory Classes   | Level | Credits |
|--|-------|---------|
| X3936 The Organisation and Practice of Adult Guidance                  | 5     | 20      |
| X3939 Interviewing and Counselling Skills in Adult Guidance            | 5     | 20      |
| X3937 Information Resources and Marketing Strategies in Adult Guidance | 5     | 20      |

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

| Compulsory Class                    | Level | Credits |
|-------------------------------------|-------|---------|
| X3932 Work Based Learning Agreement | 5     | 40      |

#### Optional Classes

No fewer than 20 credits chosen from

|   |   |    |
|---|---|----|
| X3940 Professional and Ethical Issues in Adult Guidance   | 5 | 20 |
| X3938 Additional Support Needs and Adult Guidance.<br>Any other available Master of Education class | 5 | 20 |

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 and Postgraduate Certificate in Autism

19.120.7 All students for the Certificate shall undertake an approved curriculum as follows

| Compulsory Classes     |   | Level | Credits |
|------------------------|---|-------|---------|
| X9808                  | Theory and Practice 1: Conceptual Frameworks in Autism    | 5     | 20      |
| X7798                  | Theory and Practice 2: The Spectrum of Autism             | 5     | 20      |
| X7799                  | Theory and Practice 3: Responding to the Impact of Autism | 5     | 20      |
| Or (distance learning) |   |       |         |
| X3944                  | Theory and Practice 1: Conceptual Frameworks in Autism    | 5     | 20      |
| X3945                  | Theory and Practice 2: The Spectrum of Autism             | 5     | 20      |
| X3946                  | Theory and Practice 3: Responding to the Impact of Autism | 5     | 20      |

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

### Compulsory Class:

|              |                                      |          |           |
|--------------|--------------------------------------|----------|-----------|
| <b>Xxxxx</b> | <b>Emotional Wellbeing in Autism</b> | <b>5</b> | <b>20</b> |
|--------------|--------------------------------------|----------|-----------|

### Optional Classes

No fewer than 40 credits chosen from

|             |                                      |          |           |
|-------------|--------------------------------------|----------|-----------|
| X3947       | Understanding the Impact of Autism   | 5        | 20        |
| X3954       | Multidisciplinary and Family Support | 5        | 20        |
| X9358       | Counselling Skills in Autism         | 5        | 20        |
| <b>XXXX</b> | <b>Schooling: The Autism Toolbox</b> | <b>5</b> | <b>20</b> |
| <b>XXXX</b> | <b>Autism: Becoming a Trainer</b>    | <b>5</b> | <b>20</b> |

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 and Postgraduate Certificate in Early Years Pedagogue

19.120.8 All students shall undertake an approved curriculum as follows

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| X7789              | Taking Action: Child, Family and Community |       |         |

|       |  |   |    |
|-------|--|---|----|
|       | Efficacy   | 5 | 20 |
| X9802 | Listening to Children and Hearing Their Voices               | 5 | 20 |
| X9854 | Creating Stimulating Learning Environments<br>Inside and Out | 5 | 20 |

Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

#### Optional Classes

No fewer than 60 credits chosen from

|       |  |   |    |
|-------|--|---|----|
| X9876 | The Connected Child  | 5 | 20 |
| X7797 | Leading in a Time of Change.   | 5 | 20 |
| X9644 | Child Centred and Child Focused<br>Approaches to Practitioner Research | 5 | 20 |
|       | One other available Master of Education class                          | 5 | 20 |

Students for the degree of MEd only:

|       |  |   |    |
|-------|--|---|----|
| X3910 | Dissertation; Research Methods and Ethics<br>(Early Years Pedagogue) | 5 | 20 |
| X3920 | Dissertation; Final Project<br>(Early Years Pedagogue)               | 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

|                  |                              |       |         |
|------------------|------------------------------|-------|---------|
| Compulsory Class |                              | Level | Credits |
| X3934            | Critical Reading and Writing | 5     | 20      |

#### 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 |
| 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<br>(Education Studies) | 5 | 20 |
| X3923 | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

## **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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| X9743              | Understanding Inclusive Education        | 5     | 20      |
| X9744              | Providing Effective Educational Support  | 5     | 20      |
| X9745              | Working Together in Educational Settings | 5     | 20      |

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 (Inclusive Education) | 5 | 20 |
| X3923 | Dissertation; Final Project (Inclusive Education)               | 5 | 40 |

## **MEd, Postgraduate Diploma and Postgraduate Certificate in Management and Leadership in Education**

19.120.11 Students registering for a Postgraduate Certificate shall undertake an approved curriculum as follows

| Compulsory Classes |                             | Level | Credits |
|--------------------|-----------------------------|-------|---------|
| X9786              | Management and Leadership 1 | 5     | 20      |
| X9794              | Management and Leadership 2 | 5     | 20      |

### Optional Classes

No fewer than 20 credits chosen from:

|       |   |   |    |
|-------|---|---|----|
| X9788 | Introduction to Quality and Performance Management            | 5 | 20 |
| X9793 | Education and the Law   | 5 | 20 |
| X9787 | Management and Leadership                                     | 5 | 20 |
| X9785 | Leading and Managing People                                   | 5 | 20 |
| X9789 | Management of Change  | 5 | 20 |
| X9791 | Leading Teaching and Learning                                 | 5 | 20 |
| X9790 | Managing Effective Learning for All                           | 5 | 20 |
| X9792 | Management and Leadership in Secondary Guidance/Pastoral Care | 5 | 20 |



Students for the degree of MEd and Postgraduate Diploma in addition will undertake:

**Compulsory Class**

|       |                             |   |    |
|-------|-----------------------------|---|----|
| X9788 | Management and Leadership 3 | 5 | 20 |
|-------|-----------------------------|---|----|

**Optional Classes**

No fewer than 40 credits chosen from the options list above

Students for the degree of MEd only:

|       |   |   |    |
|-------|---|---|----|
| X3912 | Dissertation; Research Methods and Ethics<br>(Management and Leadership in Education) | 5 | 20 |
|-------|---|---|----|

|       |   |   |    |
|-------|---|---|----|
| X3925 | Dissertation; Final Project<br>(Management and Leadership in Education) | 5 | 40 |
|-------|---|---|----|

**MEd, Postgraduate Diploma and Postgraduate Certificate in Professional Practice**

19.120.12 Students registering for a Postgraduate Certificate shall undertake an approved curriculum as follows

| Compulsory Class |                              | Level | Credits |
|------------------|------------------------------|-------|---------|
| X3934            | Critical Reading and Writing | 5     | 20      |

**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 |
| 20/40   |   |

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<br>(Professional Practice) | 5 | 20 |
|-------|--|---|----|

|       |  |   |    |
|-------|--|---|----|
| X3922 | Dissertation; Final Project<br>(Professional Practice) | 5 | 40 |
|-------|--|---|----|

**MEd, Postgraduate Diploma in School Leadership and Management (Scottish Qualification for Headship)**

19.120.13 All students shall undertake an approved curriculum as follows

| Compulsory Classes | Level | Credits |
|--------------------|-------|---------|
|--------------------|-------|---------|

|       |  |   |    |
|-------|--|---|----|
| X7794 | Educational Leadership                             | 5 | 30 |
| X7795 | Developing Capability for Improvement              | 5 | 30 |
| X7796 | Leading and Managing to Improve Learning<br>Part 1 | 5 | 30 |
| X7997 | Leading and Managing to Improve Learning<br>Part 2 | 5 | 30 |

Students for the degree of MEd only:

|       |   |   |    |
|-------|---|---|----|
| X3913 | Dissertation; Research Methods and Ethics<br>(School Leadership and Management) | 5 | 20 |
| X3926 | Dissertation; Final Project<br>(School Leadership and Management)               | 5 | 40 |

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**

19.120.14 All students shall undertake an approved curriculum as follows

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| X3902              | Introduction to Philosophy and Philosophical<br>Practice | 5     | 20      |
| X3901              | Philosophy with Children; Theory                         | 5     | 20      |
| X3903              | Philosophy with Children; Facilitation                   | 5     | 20      |

### **Postgraduate Certificate in Supporting Bilingual Learners in the Mainstream Classroom**

19.120.15 All students shall undertake an approved curriculum as follows

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| X3941              | Theory and Practice in Supporting Bilingual<br>Learners | 5     | 20      |
| X3942              | Policy and Practice in Supporting Bilingual<br>Learners | 5     | 20      |
| X3943              | Action Research to Support Bilingual<br>Learners        | 5     | 20      |

### **Postgraduate Certificate in Supporting Teacher Learning**

19.120.16 All students shall undertake an approved curriculum as follows

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| X9797              | How Teachers Learn                         | 5     | 20      |
| X9798              | Contemporary Contexts for Teacher Learning |       |         |

|       |   |   |    |
|-------|---|---|----|
|       | and Teachers' Work                                | 5 | 20 |
| X9799 | Supporting Professional Learning in the Workplace | 5 | 20 |

### **MEd, Postgraduate Diploma in Adult Guidance with/and Autism**

19.120.17 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:

|       |  |   |    |
|-------|--|---|----|
| 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 Early Years Pedagogue**

19.120.18 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**

19.120.19 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**

19.120.20 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 |

### **MEd, Postgraduate Diploma in Adult Guidance with/and Management and Leadership in Education**

19.120.21 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 (Adult Guidance) | 5 | 20 |
|-------|--|---|----|

|       |  |   |    |
|-------|--|---|----|
| X3908 | Dissertation; Final Project (Adult Guidance) | 5 | 40 |
|-------|--|---|----|

### **MEd, Postgraduate Diploma in Adult Guidance with/and Philosophy with Children**

19.120.22 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 (Adult Guidance) | 5 | 20 |
|-------|--|---|----|

|       |  |   |    |
|-------|--|---|----|
| X3908 | Dissertation; Final Project (Adult Guidance) | 5 | 40 |
|-------|--|---|----|

### **MEd, Postgraduate Diploma in Adult Guidance with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.23 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 (Adult Guidance) | 5 | 20 |
|-------|--|---|----|

|       |  |   |    |
|-------|--|---|----|
| X3908 | Dissertation; Final Project (Adult Guidance) | 5 | 40 |
|-------|--|---|----|

### **MEd, Postgraduate Diploma in Adult Guidance with/and Supporting Teacher Learning**

19.120.24 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 (Adult Guidance) | 5 | 20 |
|-------|--|---|----|

|       |  |   |    |
|-------|--|---|----|
| X3908 | Dissertation; Final Project (Adult Guidance) | 5 | 40 |
|-------|--|---|----|

### **MEd, Postgraduate Diploma in Autism with/and Adult Guidance**

19.120.25 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 (Autism) | 5 | 20 |
|-------|--|---|----|

|       |                                      |   |    |
|-------|--------------------------------------|---|----|
| X3908 | Dissertation; Final Project (Autism) | 5 | 40 |
|-------|--------------------------------------|---|----|

**MEd, Postgraduate Diploma in Autism with/and Early Years Pedagogue**

19.120.26 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 (Autism) | 5 | 20 |
| X3921 | Dissertation; Final Project (Autism)               | 5 | 40 |

**MEd, Postgraduate Diploma in Autism with/and Education Studies**

19.120.27 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 (Autism) | 5 | 20 |
| X3921 | Dissertation; Final Project (Autism)               | 5 | 40 |

**MEd, Postgraduate Diploma in Autism with/and Inclusive Education**

19.120.28 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 (Autism) | 5 | 20 |
| X3921 | Dissertation; Final Project (Autism)               | 5 | 40 |

**MEd, Postgraduate Diploma in Autism with/and Management and Leadership in Education**

19.120.29 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**

19.120.30 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 | 5 | 20 |
|-------|---|---|----|

|       |                                      |   |    |  |
|-------|--------------------------------------|---|----|--|
|       | (Autism)                             |   |    |  |
| X3921 | Dissertation; Final Project (Autism) | 5 | 40 |  |

### **MEd, Postgraduate Diploma in Autism with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.31 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**

19.120.32 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**

19.120.33 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 (Early Years Pedagogue) | 5 | 20 |  |
| X3920 | Dissertation; Final Project (Early Years Pedagogue)               | 5 | 40 |  |

### **MEd Early Years Pedagogue with Autism**

19.120.34 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 (Early Years Pedagogue) | 5 | 20 |  |
| X3920 | Dissertation; Final Project (Early Years Pedagogue)               | 5 | 40 |  |

### **MEd, Postgraduate Diploma in Early Years Pedagogue with/and Education Studies**

19.120.35 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<br>(Early Years Pedagogue) | 5 | 20 |
| X3920 | Dissertation; Final Project<br>(Early Years Pedagogue)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Early Years Pedagogue with/and Inclusive Education**

19.120.36 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<br>(Early Years Pedagogue) | 5 | 20 |
| X3920 | Dissertation; Final Project<br>(Early Years Pedagogue)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Early Years Pedagogue with/and Management and Leadership in Education**

19.120.37 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<br>(Early Years Pedagogue) | 5 | 20 |
| X3920 | Dissertation; Final Project<br>(Early Years Pedagogue)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Early Years Pedagogue with/and Philosophy with Children**

19.120.38 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<br>(Early Years Pedagogue) | 5 | 20 |
| X3920 | Dissertation; Final Project<br>(Early Years Pedagogue)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Early Years Pedagogue with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.39 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

Students for the degree of MEd only:

|       |  |   |    |
|-------|--|---|----|
| X3910 | Dissertation; Research Methods and Ethics<br>(Early Years Pedagogue) | 5 | 20 |
| X3920 | Dissertation; Final Project<br>(Early Years Pedagogue)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Early Years Pedagogue with/and Supporting Teacher Learning**

19.120.40 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<br>(Early Years Pedagogue) | 5 | 20 |
| X3920 | Dissertation; Final Project<br>(Early Years Pedagogue)               | 5 | 40 |

### **MEd Education Studies with Adult Guidance**

19.120.41 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<br>(Education Studies) | 5 | 20 |
| X3923 | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd Education Studies with Autism**

19.120.42 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<br>(Education Studies) | 5 | 20 |
| X3923 | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd Education Studies with Early Years Pedagogue**

19.120.43 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



|                                      |  |   |    |
|--------------------------------------|--|---|----|
| Students for the degree of MEd only: |  |   |    |
| X3905                                | Dissertation; Research Methods and Ethics<br>(Education Studies) | 5 | 20 |
| X3923                                | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Education Studies with/and Inclusive Education**

19.120.44 All students shall undertake the no less than 60 credits from Education Studies and the approved curriculum for Postgraduate Certificate in Inclusive Education

|                                      |  |   |    |
|--------------------------------------|--|---|----|
| Students for the degree of MEd only: |  |   |    |
| X3905                                | Dissertation; Research Methods and Ethics<br>(Education Studies) | 5 | 20 |
| X3923                                | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Education Studies with/and Management and Leadership in Education**

19.120.45 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

|                                      |  |   |    |
|--------------------------------------|--|---|----|
| Students for the degree of MEd only: |  |   |    |
| X3905                                | Dissertation; Research Methods and Ethics<br>(Education Studies) | 5 | 20 |
| X3923                                | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Education Studies with/and Philosophy with Children**

19.120.46 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<br>(Education Studies) | 5 | 20 |
| X3923                                | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Education Studies with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.47 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<br>(Education Studies) | 5 | 20 |
| X3923 | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Education Studies with/and Supporting Teacher Learning**

19.120.48 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<br>(Education Studies) | 5 | 20 |
| X3923 | Dissertation; Final Project<br>(Education Studies)               | 5 | 40 |

### **MEd Inclusive Education with Adult Guidance**

19.120.49 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<br>(Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project<br>(Inclusive Education)               | 5 | 40 |

### **MEd Inclusive Education with Autism**

19.120.50 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<br>(Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project<br>(Inclusive Education)               | 5 | 40 |

### **MEd Inclusive Education with Early Years Pedagogue**

19.120.51 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<br>(Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project<br>(Inclusive Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Inclusive Education with Education Studies**

19.120.52 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 (Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project (Inclusive Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Inclusive Education with/and Management and Leadership in Education**

19.120.53 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 (Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project (Inclusive Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Inclusive Education with/and Philosophy with Children**

19.120.54 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 (Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project (Inclusive Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Inclusive Education with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.55 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 (Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project (Inclusive Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Inclusive Education with/and Supporting Teacher Learning**

19.120.56 All students shall undertake the approved curriculum for Postgraduate Certificate in Inclusive Education and for Postgraduate Certificate in Supporting Teacher Learning

Students for the degree of MEd only:

|       |   |   |    |
|-------|---|---|----|
| X3911 | Dissertation; Research Methods and Ethics (Inclusive Education) | 5 | 20 |
| X3919 | Dissertation; Final Project (Inclusive Education)               | 5 | 40 |

### **MEd Management and Leadership in Education with Adult Guidance**

19.120.57 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

|       |  |   |    |
|-------|--|---|----|
| 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 Autism**

19.120.58 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

|       |  |   |    |
|-------|--|---|----|
| 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 Early Years Pedagogue**

19.120.59 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 Pedagogue 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**

19.120.60 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<br>(Management and Leadership in Education) | 5 | 40 |
|-------|---|---|----|

### **MEd Management and Leadership in Education with Inclusive Education**

19.120.61 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<br>(Management and Leadership in Education) | 5 | 20 |
| X3925 | Dissertation; Final Project<br>(Management and Leadership in Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Management and Leadership in Education with/and Philosophy with Children**

19.120.62 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<br>(Management and Leadership in Education) | 5 | 20 |
| X3925 | Dissertation; Final Project<br>(Management and Leadership in Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Management and Leadership in Education with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.63 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<br>(Management and Leadership in Education) | 5 | 20 |
| X3925 | Dissertation; Final Project<br>(Management and Leadership in Education)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Management and Leadership in Education with/and Supporting Teacher Learning**

19.120.64 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<br>(Management and Leadership in Education) | 5 | 20 |
| X3925 | Dissertation; Final Project   | 5 | 40 |

(Management and Leadership in Education)

### **MEd Philosophy with Children with Adult Guidance**

19.120.65 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<br>(Philosophy with Children) | 5 | 20 |
| X3925 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd Philosophy with Children with Autism**

19.120.66 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<br>(Philosophy with Children) | 5 | 20 |
| X3924 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd Philosophy with Children with Early Years Pedagogue**

19.120.67 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<br>(Philosophy with Children) | 5 | 20 |
| X3924 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd Philosophy with Children with Education Studies**

19.120.68 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<br>(Philosophy with Children) | 5 | 20 |
| X3924 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd Philosophy with Children with Inclusive Education**

19.120.69 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<br>(Philosophy with Children) | 5 | 20 |
| X3924 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd Philosophy with Children with Management and Leadership in Education**

19.120.70 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<br>(Philosophy with Children) | 5 | 20 |
| X3924 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Philosophy with Children with/and Supporting Bilingual Learners in the Mainstream Classroom**

19.120.71 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<br>(Philosophy with Children) | 5 | 20 |
| X3924 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd, Postgraduate Diploma in Philosophy with Children with/and Supporting Teacher Learning**

19.120.72 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<br>(Philosophy with Children) | 5 | 20 |
| X3924 | Dissertation; Final Project<br>(Philosophy with Children)               | 5 | 40 |

### **MEd Professional Practice with Adult Guidance**

19.120.73 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<br>(Professional Practice) | 5 | 20 |
| X3922 | Dissertation; Final Project<br>(Professional Practice)               | 5 | 40 |

### **MEd Professional Practice with Autism**

19.120.74 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<br>(Professional Practice) | 5 | 20 |
| X3922 | Dissertation; Final Project<br>(Professional Practice)               | 5 | 40 |

### **MEd Professional Practice with Early Years Pedagogue**

19.120.75 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<br>(Professional Practice) | 5 | 20 |
| X3922 | Dissertation; Final Project<br>(Professional Practice)               | 5 | 40 |

### **MEd Professional Practice with Inclusive Education**

19.120.76 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<br>(Professional Practice) | 5 | 20 |
| X3922 | Dissertation; Final Project<br>(Professional Practice)               | 5 | 40 |

### **MEd Professional Practice with Management and Leadership in Education**

19.120.77 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

|       |  |   |    |
|-------|--|---|----|
| X3906 | Dissertation; Research Methods and Ethics<br>(Professional Practice) | 5 | 20 |
| X3922 | Dissertation; Final Project<br>(Professional Practice)               | 5 | 40 |

### **MEd Professional Practice with Philosophy with Children**

19.120.78 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

|       |   |   |    |
|-------|---|---|----|
| X3906 | Dissertation; Research Methods and Ethics | 5 | 20 |
|-------|---|---|----|



|       |                             |   |    |
|-------|-----------------------------|---|----|
|       | (Professional Practice)     |   |    |
| X3922 | Dissertation; Final Project | 5 | 40 |
|       | (Professional Practice)     |   |    |

### **MEd Professional Practice with Supporting Bilingual Learners in the Mainstream Classroom**

19.120.79 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

|       |  |   |    |
|-------|--|---|----|
| X3906 | Dissertation; Research Methods and Ethics<br>(Professional Practice) | 5 | 20 |
| X3922 | Dissertation; Final Project<br>(Professional Practice)               | 5 | 40 |

### **MEd Professional Practice with Supporting Teacher Learning**

19.120.80 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<br>(Professional Practice) | 5 | 20 |
| X3922 | Dissertation; Final Project<br>(Professional Practice)               | 5 | 40 |

### **MEd Supporting Bilingual Learners in the Mainstream Classroom with Adult Guidance**

19.120.81 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<br>(Supporting Bilingual Learners) | 5 | 20 |
| X3918 | Dissertation; Final Project<br>(Supporting Bilingual Learners)               | 5 | 40 |

### **MEd Supporting Bilingual Learners in the Mainstream Classroom with Autism**

19.120.82 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<br>(Supporting Bilingual Learners) | 5 | 20 |
| X3918 | Dissertation; Final Project  | 5 | 40 |

(Supporting Bilingual Learners)

**MEd Supporting Bilingual Learners in the Mainstream Classroom with Early Years Pedagogy**

|           |  |   |  |    |
|-----------|--|---|--|----|
| 19.120.83 | 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<br>(Supporting Bilingual Learners)   | 5 |  | 20 |
| X3918     | Dissertation; Final Project<br>(Supporting Bilingual Learners)   | 5 |  | 40 |

**MEd Supporting Bilingual Learners in the Mainstream Classroom with Education Studies**

|           |   |   |  |    |
|-----------|---|---|--|----|
| 19.120.84 | 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<br>(Supporting Bilingual Learners)  | 5 |  | 20 |
| X3918     | Dissertation; Final Project<br>(Supporting Bilingual Learners)  | 5 |  | 40 |

**MEd Supporting Bilingual Learners in the Mainstream Classroom with Inclusive Education**

|           |   |   |  |    |
|-----------|---|---|--|----|
| 19.120.85 | 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<br>(Supporting Bilingual Learners)  | 5 |  | 20 |
| X3918     | Dissertation; Final Project<br>(Supporting Bilingual Learners)  | 5 |  | 40 |

**MEd Supporting Bilingual Learners in the Mainstream Classroom with Management and Leadership in Education**

|           |  |   |  |    |
|-----------|--|---|--|----|
| 19.120.86 | 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<br>(Supporting Bilingual Learners)   | 5 |  | 20 |
| X3918     | Dissertation; Final Project  | 5 |  | 40 |

(Supporting Bilingual Learners)

**MEd Supporting Bilingual Learners in the Mainstream Classroom with Philosophy with Children**

19.120.87 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<br>(Supporting Bilingual Learners) | 5 | 20 |
| X3918 | Dissertation; Final Project<br>(Supporting Bilingual Learners)               | 5 | 40 |

**MEd, Postgraduate Diploma in Supporting Bilingual Learners in the Mainstream Classroom with/and Supporting Teacher Learning**

19.120.88 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<br>(Supporting Bilingual Learners) | 5 | 20 |
| X3918 | Dissertation; Final Project<br>(Supporting Bilingual Learners)               | 5 | 40 |

**MEd Supporting Teacher Learning with Adult Guidance**

19.120.89 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<br>(Supporting Teacher Learning) | 5 | 20 |
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning)               | 5 | 40 |

**MEd Supporting Teacher Learning with Autism**

19.120.90 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<br>(Supporting Teacher Learning) | 5 | 20 |
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning)               | 5 | 40 |

**MEd Supporting Teacher Learning with Early Years Pedagogue**

19.120.91 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<br>(Supporting Teacher Learning) | 5 | 20 |
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning)               | 5 | 40 |

### **MEd Supporting Teacher Learning with Education Studies**

19.120.92 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<br>(Supporting Teacher Learning) | 5 | 20 |
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning)               | 5 | 40 |

### **MEd Supporting Teacher Learning with Inclusive Education**

19.120.93 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<br>(Supporting Teacher Learning) | 5 | 20 |
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning)               | 5 | 40 |

### **MEd Supporting Teacher Learning with Management and Leadership in Education**

19.120.94 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

|       |  |   |    |
|-------|--|---|----|
| X3916 | Dissertation; Research Methods and Ethics<br>(Supporting Teacher Learning) | 5 | 20 |
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning)               | 5 | 40 |

### **MEd Supporting Teacher Learning with Philosophy with Children**

19.120.95 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

|       |  |   |    |
|-------|--|---|----|
| X3916 | Dissertation; Research Methods and Ethics<br>(Supporting Teacher Learning) | 5 | 20 |
|-------|--|---|----|

|       |  |   |    |
|-------|--|---|----|
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning) | 5 | 40 |
|-------|--|---|----|

### **MEd Supporting Teacher Learning with Supporting Bilingual Learners in the Mainstream Classroom**

19.120.96 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

|       |  |   |    |
|-------|--|---|----|
| X3916 | Dissertation; Research Methods and Ethics<br>(Supporting Teacher Learning) | 5 | 20 |
|-------|--|---|----|

|       |  |   |    |
|-------|--|---|----|
| X3917 | Dissertation; Final Project<br>(Supporting Teacher Learning) | 5 | 40 |
|-------|--|---|----|

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

19.120.97 Regulations 19.1.25 – 19.1.33 shall apply.

19.120.98 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.

19.120.99 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**

19.120.100 **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.

19.120.101 **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.

19.120.102 **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**

19.120.103 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

19.120.104  
to 19.120.199(numbers not used)

**MSc in Counselling Psychology**  
**Postgraduate Diploma in Counselling Psychology**  
**Postgraduate Certificate in Counselling Psychology**

[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.

**Faculty of Humanities and Social Sciences**

19.121

**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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| X7 805             | Educational Research and Enquiry          | 5     | 20      |
| X7 806             | Design Strategies in Educational Research | 5     | 20      |
| X7 807             | Data Collection in Educational Research   | 5     | 20      |

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.

19.121.7 Candidates will be permitted a maximum of 2 attempts at each assessment.

19.121.8 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).

#### **Duration of Study**

19.121.13 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:

| Compulsory Class                      |  | Level | Credits |
|---------------------------------------|--|-------|---------|
| X7 938                                | Professional Development: Review, Reflection and Planning (CT)   | 5     | 15      |
| <b>Optional Classes</b>               |  |       |         |
| No fewer than 45 credits chosen from: |  |       |         |
| B1 904                                | Responsibility and Learning in the Outdoors  | 5     | 15      |
| HS 922                                | Independent Study Module   | 5     | 15      |
| HS 923                                | Raising Attainment in History  | 5     | 15      |
| HS 933                                | E-Learning   | 5     | 15      |
| HS 934                                | Learning to Think, Thinking to Learn: Implications for Learning, Teaching and Curriculum   | 5     | 15      |
| HS 989                                | Buzan's 'Headstrong': a Buzan approach to Creative Thinking and Family Learning: Implications for Learning and Teaching and Parental Involvement | 5     | 15      |
| HS 990                                | Developing the Emotionally Literate Classroom  | 5     | 15      |
| HS 991                                | Early Years: Translating Policy into Practice  | 5     | 15      |
| HS 992                                | The Learning School  | 5     | 15      |
| HS 993                                | Motivation, Communication and Self-Development/Awareness: Implications for Influencing Learning, Teaching and Self Development/Awareness         | 5     | 15      |
| HS 994                                | Inclusive Education: Access for all  | 5     | 15      |
| 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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| LL 927             | Professional Practice and Methodologies 1         | 5     | 10      |
| LL 929             | Archive & Libraries, History and Geography 1      | 5     | 10      |
| LL 912             | Censuses, Civil Registration and Church Records 1 | 5     | 10      |
| LL 915             | Family History Studies and Overseas Records 1     | 5     | 10      |
| LL 928             | Property and Law, Wills, Land and Inheritance 1   | 5     | 10      |
| LL 926             | Latin, Palaeography and Heraldry 1                | 5     | 10      |

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 120 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

**Place of Study**

19.121.36 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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| LL 901             | Benchmarking Safety and Risk Management Activities | 5     | 15      |
| LL 902             | Assessing Hazards, Risks and Dangers               | 5     | 15      |
| LL 903             | Optimising Safety and Risk Management Activities   | 5     | 30      |

Students for the degree of Master and the Postgraduate Diploma in addition will undertake:

| Compulsory Classes |                                      | Level | Credits |
|--------------------|--------------------------------------|-------|---------|
| LL 908             | Corporate Risk Management            | 5     | 15      |
| LL 909             | Psychology of Workplace Activities   | 5     | 15      |
| LL 910             | Ergonomic Factors in Work Activities | 5     | 15      |

**Optional Classes**

No fewer than 15 credits chosen from:

|        |                                 |   |    |
|--------|---------------------------------|---|----|
| LL 911 | Global Risk Management          | 5 | 15 |
| HS 901 | Methods of Professional Enquiry | 5 | 15 |

Students for the degree of MSc only:

|        |                  |   |    |
|--------|------------------|---|----|
| LL 916 | Research Project | 5 | 60 |
|--------|------------------|---|----|

### **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**

- 19.121.42 **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 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.
- 19.121.43 **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.
- 19.121.44 **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

|   | Level | Credits |
|---|-------|---------|
| X9 894 Teaching, Learning and Assessment within the Disciplines | 5     | 20      |

#### *Advanced Academic Studies (Researcher Development)*

##### Compulsory Class

|  |   |    |
|--|---|----|
| X9 801 Building a Successful Research Career | 5 | 20 |
|--|---|----|

##### Optional Classes (both specialisms)

No fewer than 40 credits chosen from:

|   |   |    |
|---|---|----|
| X7 782 Independent Enquiry 2A                                   | 5 | 20 |
| X9 735 Teaching and Learning Online                             | 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 |
| X9 801 Building a Successful Research Career                    | 5 | 20 |
| X7 802 Independent Enquiry 1A                                   | 5 | 10 |
| X9 894 Teaching, Learning and Assessment within the Disciplines | 5 | 20 |
| X9 895 Course (Re)Design  | 5 | 20 |
| X9 896 Academic Writing   | 5 | 20 |
| X9 897 Developing an Inclusive Curriculum                       | 5 | 20 |
| X9 898 Supervising Postgraduate Research                        | 5 | 20 |
| X9 899 Management and Leadership in Higher Education            | 5 | 20 |
| PR 825 Independent Enquiry 1                                    | 5 | 10 |
| PR 826 Independent Enquiry 2                                    | 5 | 20 |
| X9 635 Knowledge Exchange and Innovation Training               | 5 | 20 |

Students for the Postgraduate Diploma in addition will undertake:

#### *Postgraduate Diploma in Advanced Academic Studies (Academic Practice)*

No fewer than 20 credits chosen from:

|                                     |   |    |
|-------------------------------------|---|----|
| X7 782 Independent Enquiry 2        | 5 | 20 |
| X9 735 Teaching and Learning Online | 5 | 20 |

|        |   |   |    |
|--------|---|---|----|
| X9 895 | Course (Re)Design                             | 5 | 20 |
| X9 896 | Academic Writing                              | 5 | 20 |
| X9 897 | Developing an Inclusive Curriculum            | 5 | 20 |
| X9 898 | Supervising Postgraduate Research             | 5 | 20 |
| 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.

**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**

- 19.122.1 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**

- 19.122.2 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

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

**Curriculum**

- 19.122.4 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 MEd – no fewer than 180 credits including a dissertation

| Compulsory Classes |                                       | Level | Credits |
|--------------------|---------------------------------------|-------|---------|
| X7 931             | Policy and Leadership                 | 5     | 30      |
| X7 932             | Frameworks for Understanding Learning | 5     | 30      |

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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| X7 826             | The Research Proposal                      | 5     | 30      |
| X7 827             | Research Methods in Professional Education | 5     | 30      |

Students for the degree of MEd only:



**Examination, Progress and Final Assessment**

19.122.5 Regulations 19.1.25 – 19.1.33 shall apply.

19.122.6 The final assessment will be based on performance in the coursework, the Dissertation and, where appropriate, an oral examination.

**Award**

19.122.7 **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.

19.122.8 **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.

19.122.9 **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.

19.122.10 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]

**Admission**

19.122.40

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).

**Duration of Study**

19.122.41 Regulations 19.1.5 and 19.1.6 shall apply

**Place of Study**

19.122.42 As permitted by Regulation 19.1.8

**Mode of Study**

19.122.43 The course in Counselling, may be undertaken by full-time or part-time study and by distance learning.

.

## Curriculum

19.122.44 All students shall undertake an approved curriculum as follows:

| Compulsory Classes                   |   | Level | Credits |
|--------------------------------------|---|-------|---------|
| B9 947                               | The Therapeutic Relationship  | 5     | 15      |
| B9 948                               | Therapeutic Process   | 5     | 15      |
| B9 949                               | Personality Theory  | 5     | 15      |
| B9 950                               | Counselling Case Analysis   | 5     | 15      |
| B9 951                               | Counselling Practicum   | 5     | 30      |
| B9 952                               | Personal and Professional Development   | 5     | 30      |
| Students for the degree of MSc only: |   |       |         |
| HS 890                               | Professional Enquiry and Development in Counselling leading to a dissertation | 5     | 60      |

## Examination, Progress and Final Assessment

19.122.45 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.

19.122.47 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

19.122.48 **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 must have been awarded in respect of either the dissertation or the research projects .

19.122.49 **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.

19.122.50 **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

19.122.51 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).

19.122.52 **Duration of Study**  
Regulations 19.1.5 and 19.1.6 shall apply

19.122.53 **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.

19.122.54 **Mode of Study**  
The course is available by part-time study only

19.122.55 **Curriculum**  
All students shall undertake an approved curriculum as follows:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| B9 964             | Theoretical Foundations in the Person Centred Approach in Counselling | 5     | 30      |
| B9 965             | Practice and Self Development: Becoming a Person Centred Counsellor   | 5     | 30      |

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

|        |  |   |    |
|--------|--|---|----|
| B9 966 | Theoretical Issues in Person Centred Counselling       | 5 | 30 |
| B9 967 | Professional Development in Person Centred Counselling | 5 | 30 |

Students for the degree of MSc only

|        |   |   |    |
|--------|---|---|----|
| HS 806 | Research Enquiry and Development in Counselling | 5 | 60 |
|--------|---|---|----|

19.122.56 **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.

19.122.57 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 applicants

shall 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

19.122.65 **Mode of Study**  
The course is available by part-time study only

**Curriculum**

19.122.66 All students shall undertake an approved curriculum as follows:

| Optional Classes                                   | Level | Credits |
|--|-------|---------|
| No fewer than 60 credits chose from:               |       |         |
| HS 951 Infant Observation 1                        | 5     | 20      |
| HS 952 Infant Observation 2                        | 5     | 20      |
| HS 953 Young Child Observation                     | 5     | 20      |
| HS 954 Work Discussion and Institutional Processes | 5     | 20      |
| <i>either</i>                                      |       |         |
| HS 956 Personality Development                     | 5     | 10      |
| <i>or</i>  |       |         |
| HS 957 A History of Psychoanalytic Thinking        | 5     | 20      |
| HS 958 Child Development Research                  | 5     | 10      |

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         |   |    |
| HS 902 Professional Enquiry and Development | 5 | 60 |

**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.
- 19.122.71 **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.
- 19.122.72 **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.

### **Place of Study**

- 19.122.75 As permitted by Regulation 19.1.8.

### **Mode of Study**

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

### **Curriculum**

- 19.122.77 All students shall undertake a curriculum as follows:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| X7 966             | Personal and Professional Development and Theory | 5     | 30      |
| B9 990             | Counselling Skills Practice and Theory           | 5     | 30      |

### **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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| PR xxx             | Assessment Treatments of Motor Speech Disorders   | 5     | 40      |
| PR xxx             | Evidence-based Practice in Motor Speech Disorders | 5     | 20      |

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

- 19.122.85 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**

19.122.86 **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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| HS 801             | Diversity and Anti-discriminatory Practice                | 5     | 15      |
| HS 802             | Early Developments in Systemic Theory and Practice        | 5     | 15      |
| HS 803             | Clinical Team Placement                                   | 5     | 30      |
| HS 804             | Research and Reflexivity; Methods of Professional Enquiry | 5     | 15      |
| HS 805             | Systemic Psychotherapy in Context                         | 5     | 15      |
| HS 948             | Recent Developments in Systemic Theory and Practice       | 5     | 15      |
| HS 950             | Theory and Practice of Supervision                        | 5     | 15      |

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**

19.122.106 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.

19.122.107 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 and, if required, in an oral examination.

#### **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 120 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

19.122.115 **Mode of Study**

The courses are available by part-time study only

#### **Curriculum**

19.122.116 All students shall undertake an approved curriculum as follows:

Compulsory Classes

Level

Credits

|        |  |   |    |
|--------|--|---|----|
| L5 925 | Perspectives on Residential Child Care         | 5 | 15 |
| L5 926 | Critical Enquiry in Residential Child Care     | 5 | 15 |
| L5 928 | Leading and Learning in Residential Child Care | 5 | 30 |

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

|        |   |   |    |
|--------|---|---|----|
| L5 908 | Methods of Professional Enquiry: Ethical and Effective Research | 5 | 15 |
| L5 926 | Intervening Effectively in Residential Child Care               | 5 | 15 |
| L5 960 | Understanding and Assessing Children and Young People           | 5 | 30 |

Students for the degree of MSc only:

|        |  |   |    |
|--------|--|---|----|
| L5 930 | Professional Enquiry and Development in Residential Child Care leading to a dissertation | 5 | 60 |
|--------|--|---|----|

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

- 19.122.117 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.
- 19.122.118 Notwithstanding regulation 19.1.30, Candidates will be permitted a maximum of 2 attempts at each assessment.
- 19.122.119 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**

- 19.122.120 **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 12/160 must have been awarded in respect of either the dissertation or the research projects.
- 19.122.121 **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 121 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 Work 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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| L5 932             | Effective Learning for Social Work Management | 5     | 20      |
| L5 907             | Managing Service Delivery                     | 5     | 20      |

#### Optional Classes

No fewer than 20 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| L5 909 | Working with Others                                     | 5 | 20 |
| L5 911 | Leading and Managing Change and Organisational Learning | 5 | 20 |
| L5 932 | People Management in Social Work Services               | 5 | 20 |

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

#### Compulsory Class

|        |  |   |    |
|--------|--|---|----|
| L5 908 | Methods of Professional Enquiry in Social Care | 5 | 20 |
|--------|--|---|----|

#### 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 Work Management:** In order to qualify for the award of the degree of MSc in Social Work 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 12160 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 (not used)

## **MLitt in Literature, Culture and Place**

### **Postgraduate Diploma in Literature, Culture and Place**

### **Postgraduate Certificate in Literature, Culture and Place**

### **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:

for the Postgraduate Certificate – no fewer than 60 credits, including 40 from the optional classes

for the Postgraduate Diploma – no fewer than 120 credits, including 100 from the optional classes

for the degree of MLitt, no fewer than 180 credits, including a dissertation

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| QQ 939             | Research Skills in Literature, Culture and Communication | 5     | 20      |
| Optional Classes   |  |       |         |
| QQ 958             | British Places: Literature 1880-1950                     | 5     | 20      |
| QQ 934             | Uncanny Places: the Victorian Occult                     | 5     | 20      |
| QQ 959             | Contemporary Scottish Cultural Studies                   | 5     | 20      |
| QQ 934             | Uncanny Places: the Victorian Occult                     | 5     | 20      |
| QQ 935             | Discovery of Scotland                                    | 5     | 20      |
| QQ 936             | Visions of Suburbia                                      | 5     | 20      |
| QQ 937             | Post-Colonial Canadian Literature                        | 5     | 20      |
| QQ 946             | Literary Linguistics                                     | 5     | 20      |
| QQ 956             | Travellin' Blues: Literature, Politics and Displacement  | 5     | 20      |

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 | 80 |
|--------|--------------|---|----|

### **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

| Compulsory Classes                    |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| V1 903                                | Sources, Skills and Methods for Historians 1                        | 5     | 20      |
| V1 964                                | Sources, Skills and Methods for Historians 2                        | 5     | 20      |
| 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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| V1 903             | Sources, Skills and Methods for Historians 1 | 5     | 20      |
| V1 964             | Sources, Skills and Methods for Historians 2 | 5     | 20      |
| V1 965             | Palaeography c.1500-c.1800                   | 5     | 20      |

### Optional Classes

No fewer than 60 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| 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 |

#### *Either*

|        |  |   |    |
|--------|--|---|----|
| L2 905 | Quantitative Methods 1: Survey Methods | 5 | 20 |
|--------|--|---|----|

*or*

|        |   |   |    |
|--------|---|---|----|
| 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 qualify 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 qualify 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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| V1 903             | Sources, Skills and Methods for Historians 1 | 5     | 20      |
| V1 964             | Sources, Skills and Methods for Historians 2 | 5     | 20      |

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 |
| V1 973  | The United States and Europe 1958-2001  | 5 | 20 |
| V1 975  | Pharmaceuticals, Ethics and Health 1800-1980                                    | 5 | 20 |
| V1 976  | The Cultural Turn and its Discontents in the History of International Relations | 5 | 20 |
| V1 977  | War, Sacrifice and the Nation in Europe, 1789-1919                              | 5 | 20 |
| V1 9791 | Food and Health in the West During the Twentieth Century                        | 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:

|        |              |   |    |
|--------|--------------|---|----|
| 22 900 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

### **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.*

**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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| P3 925             | Investigative Journalism: History & Theory | 5     | 20      |
| L3 922             | Investigative Research                     | 5     | 20      |
| P3 926             | Manufacture of Consent                     | 5     | 20      |

Students for the Postgraduate Diploma and Degree of MSc only:

Compulsory Classes

|        |                                      |   |    |
|--------|--------------------------------------|---|----|
| P3 944 | Investigative Journalism and the Law | 5 | 20 |
| P3 945 | Investigative Journal: Project       | 5 | 20 |

Optional Classes

No fewer than 20 credits chosen from:

|        |                        |   |    |
|--------|------------------------|---|----|
| P3 955 | Media Ethics           | 5 | 20 |
| QQ 932 | Covering Globalisation | 5 | 20 |

The list of Optional Classes in Regulation 19.127.174.

Students for the degree of MSc only

*either*

|        |              |   |    |
|--------|--------------|---|----|
| ES 928 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

*or*

|        |                      |   |    |
|--------|----------------------|---|----|
| ES 921 | Journalism Portfolio | 5 | 60 |
|--------|----------------------|---|----|

**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.
- 19.127.11  
to  
19.127.20 (Numbers not used)

### **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

| List A |  | Level | Credits |
|--------|--|-------|---------|
| QQ 970 | Renaissance Studies Core Class                   | 5     | 20      |
| QQ 968 | Skills in Renaissance Studies                    | 5     | 20      |
| List B |  |       |         |
| QQ 971 | Digital Humanities and the Renaissance           | 5     | 20      |
| QQ 972 | Literacy and Reading in the Renaissance          | 5     | 20      |
| W3 900 | Renaissance Music                                | 5     | 20      |
| QQ 966 | Nature and Science in the Renaissance            | 5     | 20      |
| XX XXX | Parliaments in the Renaissance                   | 5     | 20      |
| V1 978 | Scotland in the Renaissance                      | 5     | 20      |
| QQ 969 | Women and Cultural Production in the Renaissance | 5     | 20      |

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

|        |              |   |    |
|--------|--------------|---|----|
| QQ 950 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

**Examination, Progress and Final Assessment**

- 19.127.25 Regulations 19.1.25 – 19.1.33 shall apply.
- 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

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| P3 949             | Journalism in English: Writing and Professional Practice | 5     | 20      |
| P3 950             | Producing Media  | 5     | 20      |
| P3 951             | Specialist Journalism Project                            | 5     | 20      |
| P3 952             | Journalism and Society                                   | 5     | 20      |

#### 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**

19.127.35 Regulations 19.1.25 – 19.1.33 shall apply.

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.

19.127.39

to 19.127.40 (Numbers not used)



**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

| Compulsory Classes |                            | Level | Credits |
|--------------------|----------------------------|-------|---------|
| P3 950             | Producing Media            | 5     | 20      |
| P3 954             | Scots Law for Journalists  | 5     | 20      |
| P3 955             | Media Ethics               | 5     | 20      |
| P3 958             | Multimedia Journalism      | 5     | 20      |
| P3 957             | Entrepreneurial Journalism | 5     | 20      |

**Optional Classes**

No fewer than 20 credits chosen from

|        |   |   |    |
|--------|---|---|----|
| L2 909 | Qualitative Methods                                       | 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 |
| P3 952 | Journalism and Society                                    | 5 | 20 |
| QQ 932 | Covering Globalisation                                    | 5 | 20 |
| QQ 932 | Covering Globalisation                                    | 5 | 20 |
| QQ 956 | Travelin' Blues: Literature, Politics and<br>Displacement | 5 | 20 |

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:

|        |                         |   |    |
|--------|-------------------------|---|----|
| P3 956 | Production Dissertation | 5 | 60 |
|--------|-------------------------|---|----|

**Examination, Progress and Final Assessment**

19.127.45 Regulations 19.1.25 – 19.1.33 shall apply.

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

**Award**

19.127.47 **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.

19.127.49

to 19.127.50 (Numbers not used)

**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  | Level | Credits |
|---|-------|---------|
| 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**

- 19.127.55 Regulations 19.1.25 – 19.1.33 shall apply.
- 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:

| Compulsory Classes                      |  | Level | Credits |
|---|--|-------|---------|
| M9 976                                  | The Law of the Construction Industry                         | 5     | 20      |
| M9 904                                  | Law and Practice of Construction Management                  | 5     | 20      |
| and either                              |  |       |         |
| <i>Candidates without a Law degree:</i> |  |       |         |
| M9 983                                  | Legal Process and the Law of Contracts and other Obligations | 5     | 20      |
| or                                      |  |       |         |
| <i>Candidates with a Law degree</i>     |  |       |         |
| M9 902                                  | The Context of Construction                                  | 5     | 20      |

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

**Compulsory Class**

|       |                  |   |    |
|-------|------------------|---|----|
| M9980 | Research Methods | 5 | 20 |
|-------|------------------|---|----|

**Optional Classes**

No fewer than 40 credits and no more than 60 credits chosen from:

|        |                              |   |    |
|--------|------------------------------|---|----|
| M9 905 | Dispute Resolution           | 5 | 20 |
| M9 939 | Negotiation                  | 5 | 20 |
| M9 810 | Mediation Policy and the Law | 5 | 20 |

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:**

|        |                              |   |    |
|--------|------------------------------|---|----|
| 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

### **Progress of Part-time students**

19.128.6 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.

19.128.15 **Curriculum**

| Optional Classes        |  | Level | Credits |
|-------------------------|--|-------|---------|
| 60 credits chosen from: |  |       |         |
| M9 808                  | International Intellectual Property        | 5     | 20      |
| M9 822                  | Software Licensing in a Global Environment | 5     | 20      |
| M9 829                  | Surveillance, Technology and Crime Control | 5     | 20      |
| M9 907                  | Internet Governance                        | 5     | 20      |
| M9 941                  | Intellectual Property Law                  | 5     | 20      |
| M9 829                  | Privacy, Crime and Security                | 5     | 20      |
| M9 944                  | E-Commerce                                 | 5     | 20      |
| M9 950                  | Domain Name Regulations                    | 5     | 20      |
| M9 975                  | Telecommunications Law                     | 5     | 20      |

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  | Level | Credits |
|---|-------|---------|
| 60 credits chosen from:                                       |       |         |
| M9 839 Surveillance, Technology and Crime Control             | 5     | 20      |
| M9 975 Telecommunications Law                                 | 5     | 20      |
| M9 941 Intellectual Property Law                              | 5     | 20      |
| M9 829 Privacy, Crime and Security                            | 5     | 20      |
| M9 944 E-Commerce   | 5     | 20      |
| M9 907 Internet Governance                                    | 5     | 20      |
| Students for the Postgraduate Diploma and degree of LLM only: |       |         |
| Compulsory Class  |       |         |
| M9 980 Research Methods                                       | 5     | 20      |

### 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*

|        |  |   |    |
|--------|--|---|----|
| M9 900 | Dissertation in Information Technology | 5 | 60 |
|--------|--|---|----|

*or*

|        |         |   |    |
|--------|---------|---|----|
| M9 955 | Project | 5 | 60 |
|--------|---------|---|----|

### 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

19.128.37 **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.

19.128.38 **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.

19.128.39 **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.

19.128.40 **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%

19.128.41 **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             | Level | Credits |
|------------------------------|-------|---------|
| LS 930      Research Methods | 5     | 20      |

| Optional Classes  | Level | Credits |
|---|-------|---------|
| 40 credits chosen from:                                 |       |         |
| M9 986      European Human Rights Law                   | 5     | 20      |
| M9 987      Human Rights and Immigration Legislation    | 5     | 20      |
| M9 988      Human Rights Law in Comparative Perspective | 5     | 20      |
| M9 989      Human Rights Protection in the UK           | 5     | 20      |
| M9 990      International Human Rights                  | 5     | 20      |
| M9 991      UK and EU Environmental Law                 | 5     | 20      |

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:

|  |   |    |
|--|---|----|
| M9 916      Dissertation in Human Rights Law | 5 | 60 |
|--|---|----|

**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

19.128.47 **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**
- 19.128.48 **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.
- 19.128.49 **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.
- 19.128.50 **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.
- 19.128.51 **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%
- 19.128.52 **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.
- 19.128.53 to  
19.128.60 (Numbers not used)

**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**

- 19.128.61 Regulations 19.1.1 -19.1.4 shall apply.

**Duration of Study**

- 19.128.62 Regulations 19.1.5 and 19.1.6 shall apply.

**Mode of Study**

- 19.128.63 The courses are available by full-time or part-time study.

**Place of Study**

- 19.128.64 As permitted by Regulation 19.1.8, some off-campus work may be required.

**Curriculum**

- 19.128.65 All students shall undertake an approved curriculum as follows:

| Compulsory Classes                              | Level | Credits |
|---|-------|---------|
| M9 920 The World Trading System: Law and Policy | 5     | 20      |

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 |
| or     |                    |   |    |
| M9 928 | Field Dissertation | 5 | 60 |

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

19.128.66 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

### 19.128.67 **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:

| Compulsory Classes                    |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| M9 920                                | The World Trading System: Law and Policy  | 5     | 20      |
| M9 921                                | International Environmental Law   | 5     | 20      |
| Optional Classes                      |   |       |         |
| No fewer than 20 credits chosen from: |   |       |         |
| EC 911                                | International Trade Theory, Policy, and Institutions  | 5     | 20      |
| M9 922                                | Business and Human Rights   | 5     | 20      |
| M9 923                                | Competition Law and Policy in the EU  | 5     | 20      |
| M9 924                                | Comparative Law of Obligations  | 5     | 20      |
| M9 925                                | Intellectual Property Law   | 5     | 20      |
| M9 931                                | Legal Process and the Law of Contract and Other Obligations [only for students with a non-law background] | 5     | 20      |
| M9 927                                | Energy Resources and Policy   | 5     | 20      |
| M9 991                                | UK & EU Environmental Law   | 5     | 20      |
| CL 960                                | Fundamentals of Environmental Forensics   | 5     | 10      |
| CL 946                                | Global Water Policy   | 5     | 10      |

|  |                  |       |         |
|--|------------------|-------|---------|
| Students for the Postgraduate Diploma and degree of LLM only |                  |       |         |
| Compulsory Class   |                  | Level | Credits |
| M9 930   | Research Methods | 5     | 20      |

#### Optional Classes

No fewer than 40 credits and no more than 60 credits from the list of optional classes above. A. 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:

|        |                    |   |    |
|--------|--------------------|---|----|
| M9 927 | Dissertation       | 5 | 60 |
| or     |                    |   |    |
| M9 948 | Field Dissertation | 5 | 60 |

#### 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| M9 937             | Theory and Principles of Conflict Resolution | 5     | 20      |
| M9 938             | Mediation in Practice                        | 5     | 20      |

#### 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 in addition will undertake:

| Compulsory Class        | Level | Credits |
|-------------------------|-------|---------|
| M9 980 Research Methods | 5     | 20      |

#### Optional Classes

No fewer than 40 credits and no more than 60 credits chosen from the list of optional classes above

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

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Students for the degree of LLM only:

|        |                    |   |    |
|--------|--------------------|---|----|
| M9 XXX | Dissertation (LLM) | 5 | 60 |
|--------|--------------------|---|----|



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**

19.128.101 All students shall undertake an approved curriculum as follows

| Compulsory Classes |                                  | Level | Credits |
|--------------------|----------------------------------|-------|---------|
| M9 801             | Business and Financial Awareness | 5     | 10      |
| M9 802             | Civil Litigation                 | 5     | 10      |
| M9 814             | Personal Injury Claim Handling   | 5     | 10      |
| M9 815             | Professional Practice and Ethics | 5     | 10      |
| M9 817             | Private Client                   | 5     | 10      |
| M9 819             | Conveyancing                     | 5     | 10      |
| M9 820             | Criminal Litigation              | 5     | 10      |

### **Optional Classes**

No fewer than 50 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| M9 800 | Advanced Private Client                     | 5 | 10 |
| M9 803 | Advanced Criminal Advocacy                  | 5 | 10 |
| M9 804 | Commercial Conveyancing                     | 5 | 10 |
| M9 805 | Company Law                                 | 5 | 10 |
| M9 806 | Commercial Contracts and IP                 | 5 | 10 |
| M9 807 | Family Business                             | 5 | 10 |
| M9 813 | Family Law                                  | 5 | 10 |
| M9 816 | Practical Public Administration             | 5 | 10 |
| M9 818 | Work-Based Learning in a Legal Environment  | 5 | 10 |
| M9 817 | Employment Law                              | 5 | 10 |
| M9 827 | Business Accounting for Legal Professionals | 5 | 10 |
| M9 828 | Mediation and Mediation Advocacy            | 5 | 10 |

### **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.

19.128.107

to 19.128.110 (Numbers not used)

## **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

#### **Compulsory Classes**

M9 843 Justice and Penal Decision-Making

Level

Credits

5

20

M9 845 Punishment and Processes of Penal Change

5

20

#### **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

|        |   | Level | Credits |
|--------|---|-------|---------|
| M9 980 | Research Methods                            | 5     | 20      |
| M9 848 | Dissertation in Professional Legal Practice | 5     | 60      |

#### **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 |                                  | Level | Credits |
|--------------------|----------------------------------|-------|---------|
| M9 930             | Legal Research                   | 5     | 20      |
| M9 833             | Case Analysis and Communication  | 5     | 20      |
| M9 836             | Written Advocacy and Negotiation | 5     | 20      |
| M9 837             | Pre trial/proof/hearing advocacy | 5     | 20      |
| M9 834             | Trial/proof/Arbitration Advocacy | 5     | 20      |
| 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.

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.

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### **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:

| Compulsory Classes |                                    | Level | Credits |
|--------------------|------------------------------------|-------|---------|
| M9 852             | Contemporary Employment Relations  | 5     | 20      |
| M9 XXX             | Employment Law Theory and Practice | 5     | 20      |

#### List A: Optional Classes

No fewer than 20 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| M9 945 | Equality Law                             | 5 | 20 |
| M9 853 | Labour Law in the Global Economy         | 5 | 20 |
| M9 811 | Employment Mediation                     | 5 | 20 |
| M9 957 | International Human Rights Law           | 5 | 20 |
| HR 918 | Labour and Diversity in a Global Context | 5 | 20 |

Students for the Postgraduate Diploma and degree of LLM/MSc in addition will undertake:

| Compulsory Class        | Level | Credits |
|-------------------------|-------|---------|
| M9 930 Research Methods | 5     | 20      |

#### 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:

|        |                    |   |    |
|--------|--------------------|---|----|
| M9 XXX | Dissertation (LLM) | 5 | 60 |
|--------|--------------------|---|----|

Students for the degree of MSc only:

|        |                    |   |    |
|--------|--------------------|---|----|
| M9 XXX | Dissertation (MSc) | 5 | 60 |
|--------|--------------------|---|----|

#### **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.



## 19.131 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*                   |  | Level | Credits |
|---------------------------------------|--|-------|---------|
| L2 916                                | Comparative Public Policy                          | 5     | 20      |
| L2 917                                | Policy Analysis                                    | 5     | 20      |
| <i>and either</i>                     |  |       |         |
| L2 909                                | Qualitative Methods                                | 5     | 20      |
| <i>or</i>                             |  |       |         |
| L2 904                                | Philosophy of Social Science                       | 5     | 20      |
| <i>and either</i>                     |  |       |         |
| L2 905                                | Quantitative Methods 1                             | 5     | 20      |
| <i>or</i>                             |  |       |         |
| L2 908                                | Quantitative Methods 2                             | 5     | 20      |
| Optional Classes                      |  |       |         |
| No fewer than 40 credits chosen from: |  |       |         |
| L2 910                                | Political Parties                                  | 5     | 20      |
| L2 911                                | Constitutional Change and Development<br>in the UK | 5     | 20      |
| 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 918                                | Comparative Politics                               | 5     | 20      |

|        |  |   |    |
|--------|--|---|----|
| L2 919 | Green Politics   | 5 | 20 |
| L2 920 | The European Policy Process  | 5 | 20 |
| L2 921 | The European Union and International Relations                                 | 5 | 20 |
| L2 922 | Perspectives on British Governance   | 5 | 20 |
| L2 923 | Feminism and Politics  | 5 | 20 |
| L2 924 | International Relations Theory in a Global Age:<br>Rethinking the Key Concepts | 5 | 20 |
| L2 925 | The Welfare State in Comparative Public Policy                                 | 5 | 20 |
| L2 926 | International Security: Concepts and Issues                                    | 5 | 20 |
| L2 927 | Transforming Democracies? Representation<br>and Participation                  | 5 | 20 |
| L2 928 | Territorial Politics in the UK   | 5 | 20 |
| L2 929 | Political Behaviour  | 5 | 20 |
| L2 930 | States, Markets and Varieties of Capitalism                                    | 5 | 20 |
| L2 931 | Territorial Politics in Comparative Perspective                                | 5 | 20 |
| L2 932 | Difference and Democracy   | 5 | 20 |

Such other Level 5 classes up to a maximum of 40 credits chosen from other courses 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:

|        |              |   |    |
|--------|--------------|---|----|
| 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

| Compulsory Classes |                              | Level | Credits |
|--------------------|------------------------------|-------|---------|
| L2 904             | Philosophy of Social Science | 5     | 20      |
| L2 905             | Quantitative Methods 1       | 5     | 20      |
| L2 908             | Quantitative Methods 2       | 5     | 20      |
| L2 909             | Qualitative Methods          | 5     | 20      |

#### **Optional Classes**

No fewer than 40 credits chosen from:

|        |                           |   |    |
|--------|---------------------------|---|----|
| L2 916 | Comparative Public Policy | 5 | 20 |
| L2 917 | Policy Analysis           | 5 | 20 |

The list of Optional Classes in Regulation 19.131.4

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 90 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

| Compulsory Classes                    |   | Level | Credits |
|---------------------------------------|---|-------|---------|
| L2 913                                | European Political Economy                      | 5     | 20      |
| L2 914                                | European Governance                             | 5     | 20      |
| L2 916                                | Comparative Public Policy                       | 5     | 20      |
| L2 917                                | Policy Analysis                                 | 5     | 20      |
| Optional Classes                      |   |       |         |
| No fewer than 30 credits chosen from: |   |       |         |
| L2 904                                | Philosophy of Social Science                    | 5     | 20      |
| L2 905                                | Quantitative Methods 1: Survey Methods          | 5     | 20      |
| L2 908                                | Quantitative Methods 2: Statistics and Analysis | 5     | 20      |
| L2 909                                | Qualitative Methods                             | 5     | 20      |



| Compulsory Classes |                                      | Level | Credits |
|--------------------|--------------------------------------|-------|---------|
| L2 912             | International Institutions & Regimes | 5     | 20      |
| L2 915             | Contesting Global Governance         | 5     | 20      |
| L2 916             | Comparative Public Policy            | 5     | 20      |
| L2 917             | Policy Analysis                      | 5     | 20      |

#### Optional Classes

No fewer than 40 credits chosen from:

|        |   |   |    |
|--------|---|---|----|
| L2 904 | Philosophy of Social Science                    | 5 | 20 |
| L2 905 | Quantitative Methods 1: Survey Methods          | 5 | 20 |
| L2 908 | Quantitative Methods 2: Statistics and Analysis | 5 | 20 |
| L2 909 | Qualitative Methods                             | 5 | 20 |

The list of optional classes in Regulation 19.131.4

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 90 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.

## **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

## First Year

## Compulsory Classes

|        |   | Level | Credits |
|--------|---|-------|---------|
| C8 901 | Professional Practice Year 1                                    | 5     | 90      |
| C8 913 | Theories, Concepts and Skills for Educational Psychology Year 1 | 5     | 90      |

## Second Year

## Compulsory Classes

|        |   |   |    |
|--------|---|---|----|
| C8 902 | Professional Practice Year 2                                    | 5 | 90 |
| C8 914 | Theories, Concepts and Skills for Educational Psychology Year 2 | 5 | 90 |

**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.

19.132.7 Progress may be dependent on satisfactory performance against prescribed criteria in the earlier part of the course.

19.132.8 The final assessment will be based on performance in all elements of the coursework, the Professional Practice and, if required, an oral examination.

**Award**

19.132.9 **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.

19.132.10

to 19.132.20 (Numbers not used)

## 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

- 19.132.21 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

- 19.132.22 Regulations 19.1.5 and 19.1.6 shall apply.

#### Mode of Study

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

#### Curriculum

- 19.132.24 All students shall undertake an approved curriculum no fewer than 180 credits including a dissertation.

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| C8 937             | Dissertation   | 5     | 120     |
| C8 938             | Methods in Experimental Psychology                                       | 5     | 10      |
| C8 939             | Quantitative Research Methods: Research Design, Statistics and Computing | 5     | 20      |
| C8 940             | Analysing Discourse and Interaction                                      | 5     | 10      |
| C8 942             | Practical Research Skills  | 5     | 10      |
| C8952              | Software Skills  | 5     | 10      |

#### 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.



## 19.133 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 jointly by the University of Glasgow and the University of Strathclyde. The regulations are drawn up consequent upon a Memorandum of Co-operation which has been approved by Senate. The University of Strathclyde is the administering university.

#### 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, University of Glasgow and placement outwith these Universities' campuses.

#### 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 |   | Level | Credits |
|--------------------|---|-------|---------|
| L5 936             | Theory and Practice 1   | 5     | 15      |
| L5 937             | Practice 1  | 5     | 15      |
| L5 953             | Understanding Society in a Social, Policy and Legislative Context | 5     | 30      |

In addition to the above, all students will require to gain the University of Strathclyde Certificate in IT Competence before being allowed to progress to Semester 2 classes.

\* The class *L5 937 Practice 1* involves at least 80 days in service delivery settings.

Year 2

|        |                                 |   |    |
|--------|---------------------------------|---|----|
| L5 938 | Organising Social Work Services | 5 | 15 |
| L5 939 | Harm, Risk, and Protection      | 5 | 15 |
| L5 940 | Theory and Practice 2           | 5 | 15 |
| L5 941 | Practice 2*                     | 5 | 15 |

\* The class *L5 941 Practice 2* involves at least 80 days in service delivery settings.

Year 3

Students for the degree of Master only:

|        |              |   |    |
|--------|--------------|---|----|
| L5 944 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

### **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 and gained the University of Strathclyde Certificate of IT Competence.
- 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 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

| Compulsory Classes |                                     | Level | Credits |
|--------------------|-------------------------------------|-------|---------|
| L5 916             | Principles of Community Care        | 5     | 15      |
| L5 919             | Values and Ethics in Community Care | 5     | 15      |
| L5 946             | Practice of Community Care          | 5     | 30      |

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

| Compulsory Class                          | Level | Credits |
|---|-------|---------|
| L5 920 Research Methods in Community Care | 5     | 15      |

**Optional Classes**

No fewer than 45 credits chosen from

|        |   |   |    |
|--------|---|---|----|
| L5 922 | Community Care and Older People                       | 5 | 15 |
| L5 923 | Community Care and People with Mental Health Problems | 5 | 15 |
| L5 924 | Community Care and People with Learning Disabilities  | 5 | 15 |
| L5 947 | Inter-Professional Working in Community Care          | 5 | 15 |

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, 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**

### **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 applicants must satisfy the requirements for professional registration by the Scottish Social Services Council (SSSC).

### **Duration of Study**

- 19.133.32 Regulations 19.1.5 and 19.1.6 shall apply.

### **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**

- 19.133.34 The course includes study at the University of Strathclyde, Glasgow Caledonian University and practice learning within the student's employing agency.

### **Curriculum**

19.133.35 All students shall undertake an approved curriculum as follows:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| L5 942             | The Mental Health Officer Role in the Primary Context | 5     | 30      |
| L5 943             | The Mental Health Officer Role in Secondary Contexts  | 5     | 30      |

**Examination, Progress and Final Assessment**

19.133.36 Regulations 19.1.25 – 19.1.33 shall apply.

19.133.37 The assessment for the class *L5 942 The Mental Health Officer Role in the Primary Context* incorporates an assessment of the student's practice. This practice must be assessed as satisfactory before the student can be allowed to undertake the class *L5 943 The Mental Health Officer Role in Secondary Contexts*.

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 no fewer than 60 credits from the course curriculum.

## 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 |                              | Level | Credits |
|--------------------|------------------------------|-------|---------|
| L2 904             | Philosophy of Social Science | 5     | 20      |
| L3 929             | Qualitative Methods          | 5     | 20      |
| L3 930             | Social Research Today        | 5     | 20      |

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

Compulsory Classes

|        |                              |   |    |
|--------|------------------------------|---|----|
| L2 905 | Quantitative Methods 1       | 5 | 20 |
| GS 9aa | Research Design and Practice | 5 | 20 |

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

|        |              |   |    |
|--------|--------------|---|----|
| GS 9bb | Dissertation | 5 | 60 |
|--------|--------------|---|----|

#### **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

Level Credits

|        |  |   |    |
|--------|--|---|----|
| L3 927 | Designing Research                       | 5 | 20 |
| L7 923 | Governing Cities of Difference           | 5 | 20 |
| M9 987 | Human Rights and Immigration Legislation | 5 | 20 |

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

|        |                       |   |    |
|--------|-----------------------|---|----|
| L3 929 | Qualitative Methods   | 5 | 20 |
| L3 930 | Social Research Today | 5 | 20 |

#### List B

|        |                              |   |    |
|--------|------------------------------|---|----|
| L2 904 | Philosophy of Social Science | 5 | 20 |
| L2 905 | Quantitative Methods 1       | 5 | 20 |
| L3 917 | Action Research              | 5 | 20 |
| L3 922 | Investigative Research       | 5 | 20 |
| P3 926 | Manufacture of Consent       | 5 | 20 |

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:

|        |              |   |    |
|--------|--------------|---|----|
| L3 919 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

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

- 19.134.15 Regulations 19.1.25 – 19.1.33 shall apply.
- 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 |                        | Level | Credits |
|--------------------|------------------------|-------|---------|
| L3 916             | Designing Research     | 5     | 20      |
| L3 922             | Investigative Research | 5     | 20      |
| L3 929             | Qualitative Methods    | 5     | 20      |
| P3 926             | Manufacture of Consent | 5     | 20      |

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

**Optional Classes**

|        |  |   |    |
|--------|--|---|----|
| L2 904 | Philosophy of Social Science                 | 5 | 20 |
| L2 905 | Quantitative Methods 1                       | 5 | 20 |
| P3 925 | Investigative Journalism: History and Theory | 5 | 20 |
| P3 952 | Journalism and Society                       | 5 | 20 |
| P3 955 | Media Ethics                                 | 5 | 20 |

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:

|        |              |   |    |
|--------|--------------|---|----|
| P3 932 | Dissertation | 5 | 60 |
|--------|--------------|---|----|

**Examination, Progress and Final Assessment**

- 19.134.25 Regulations 19.1.25 – 19.1.33 shall apply.
- 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 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 shall include researcher development skills training 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 or 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 of researcher development skills 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 taught classes or research training undertaken under the provisions of Regulation 20.1.9 or 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 no fewer than 60 credits of researcher development skills training 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 16.

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.

20.1.43 A thesis submitted for the degree of doctorate by a member of the academic staff of the University appointed under the provisions of Ordinance 16 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).

20.2.12 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.

20.2.13 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**

20.2.14 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.

20.2.15 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.

20.2.16 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.

20.2.17 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.

20.2.18 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.

20.2.19 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 16.

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 16, Section 2.I 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 10 credits from taught classes or research training 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 16.

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 16, 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<br>elapsed time | 48 months |

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:

| Compulsory Class             | Level | Credits |
|------------------------------|-------|---------|
| MM 551 MRes Research Project | 5     | 120     |

**Optional Classes\***

No fewer than 60 credits chosen from

|                                      |   |    |
|--------------------------------------|---|----|
| MM 552 Applied Analysis and PDEs 1   | 5 | 15 |
| MM 553 Applied Analysis and PDEs 2   | 5 | 15 |
| MM 554 Applied Mathematics Methods 1 | 5 | 15 |
| MM 555 Applied Mathematics Methods 2 | 5 | 15 |
| MM 556 Mathematical Models 1         | 5 | 15 |
| MM 557 Mathematical Models 2         | 5 | 15 |
| MM 558 Pure Analysis 1               | 5 | 15 |
| MM 559 Pure Analysis 2               | 5 | 15 |
| MM 560 Statistics 1                  | 5 | 15 |
| MM 561 Statistics 2                  | 5 | 15 |
| MM 562 Probability 1                 | 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 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

##### 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 of one or a combination of two of the following:

- (i) Laser Physics, Optical Sciences and Technologies
- (ii) Atomic, Molecular and Plasma Physics
- (iii) Semiconductor and Solid State Physics
- (iv) Computational Physics and Software Engineering

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 |                            | Level | Credits |
|--------------------|----------------------------|-------|---------|
| 12 901             | Project                    | 5     | 80      |
| 12 902             | Advanced Topics in Physics | 5     | 40      |

##### Optional Classes\*

All students shall undertake classes amounting to no fewer than 60 credits of which at least 20 credits shall be from each of Lists A and B.

##### List A

|        |                            |   |    |
|--------|----------------------------|---|----|
| 12 903 | Research Assessment Skills | 5 | 10 |
| 12 904 | Research Skills 1          | 5 | 10 |
| 12 905 | Research Skills 2          | 5 | 10 |

##### List B

|        |   |   |    |
|--------|---|---|----|
| 12 906 | Physics in Society                                    | 5 | 10 |
| 12 907 | Communicating Physics                                 | 5 | 10 |
| 12 908 | Managing Technological Innovation                     | 5 | 10 |
| Z1 903 | Commercialisation of Technology<br>(Entrepreneurship) | 5 | 10 |

\* Additional classes may be selected, or required by the Course Director, to complete the student's curriculum. These classes will be taken from an approved list.

### **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**

20.17.7 **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 80 must have been awarded in respect of the Project.

### **Transfer**

20.17.8 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.

20.18

## **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:

| Compulsory Classes |                    | Level | Credits |
|--------------------|--------------------|-------|---------|
| PH 9xa             | Group Project      | 5     | 30      |
| PH 9xb             | Individual Project | 5     | 30      |
| PH 9xc             | Accelerators       | 5     | 5       |

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:

| Compulsory Classes |           | Level | Credits |
|--------------------|-----------|-------|---------|
| PH 9xd             | Project 3 | 5     | 15      |

### 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

|        |                                  |   |   |
|--------|----------------------------------|---|---|
| PH 9xe | Plasma Physics A                 | 5 | 5 |
| PH 9xf | 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 |

### Progress

20.18.10 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.

20.18.11 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.

20.18.12 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.

### Award

20.18.13 **Degree of PhD:** In order to qualify for the award of the degree of PhD in Applications of Next Generation Accelerators, a candidate must have performed to the satisfaction of the Board of Examiners and must have:

(i) accumulated at least 195 from the course curriculum

(ii) submitted a suitable thesis

and

(iii) performed satisfactorily in an oral examination.

20.18.14 **Degree of MPhil:** In order to qualify for the award of the degree of MPhil in Applications of Next Generation Accelerators, a candidate must have performed to the satisfaction of the Board of Examiners and must have:

- (i) accumulated at least 195 credits from the course curriculum
- (ii) submitted a suitable thesis and if necessary, performed satisfactorily in an oral examination.

**Transfer**

20.18.15 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.

20.18.16 to  
20.21 (Numbers not used)





|        |   |   |     |
|--------|---|---|-----|
| MP 966 | Pharmacology Project and Thesis               | 5 | 120 |
| List B |   |   |     |
| MP 941 | Advanced Techniques in Biochemistry           | 5 | 10  |
| MP 942 | Advanced Techniques in Biomedical Research    | 5 | 10  |
| MP 944 | Advanced Techniques in Immunology             | 5 | 10  |
| MP 968 | Advanced Techniques in In Vivo Biology        | 5 | 10  |
| MP 945 | Advanced Techniques in Microbiology           | 5 | 10  |
| MP 946 | Advanced Techniques in Molecular Biology      | 5 | 10  |
| MP 947 | Advanced Techniques in Pharmacology           | 5 | 10  |
| MP 977 | Advanced Techniques in Toxicological Analysis | 5 | 10  |
| List C |   |   |     |
| MP 951 | Advanced Topics in Biochemistry               | 5 | 10  |
| MP 953 | Advanced Topics in Immunology                 | 5 | 10  |
| BM 901 | Advanced Applications of In vivo Research     | 5 | 10  |
| MP 954 | Advanced Topics in Microbiology               | 5 | 10  |
| BM 902 | Advanced Topics in Neuroscience               | 5 | 10  |
| MP 955 | Advanced Topics in Molecular Biology          | 5 | 10  |
| MP 956 | Advanced Topics in Parasitology               | 5 | 10  |
| MP 957 | Advanced Topics in Pharmacology               | 5 | 10  |
| MP 976 | Advanced Topics in Toxicology                 | 5 | 10  |

To qualify for the award of the degree of MRes the student must normally undertake the following classes:

|                           |   |
|---------------------------|---|
| <i>Biochemistry:</i>      | MP941, MP951 and MP961  |
| <i>Immunology:</i>        | MP944, MP953 and MP962  |
| <i>In vivo Sciences</i>   | BM 915, MP 968, BM 901  |
| <i>Microbiology:</i>      | MP945, MP954 and MP963  |
| <i>Molecular Biology:</i> | MP946, MP955 and MP964  |
| <i>Neuroscience:</i>      | BM916, BM902 and an appropriate techniques class from option list B |
| <i>Parasitology:</i>      | MP956, MP965 and an appropriate techniques class from option list B |
| <i>Pharmacology:</i>      | 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 course work 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**

- 20.22.8 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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| MP 931             | Generic Biomedical and Pharmaceutical Research Skills | 5     | 20      |
| Z1 931             | Entrepreneurship, Innovation and Commercialisation    | 5     | 10      |

#### Optional Classes\*

No fewer than 150 credits including 120 from List A and at least 10 from each of Lists B and C.

#### List A

|        |   |   |     |
|--------|---|---|-----|
| MP 903 | Drug Delivery Project and Thesis                            | 5 | 120 |
| MP982  | Drug Discovery Project and Thesis                           | 5 | 120 |
| MP 967 | Pharmaceutical Materials and Formulation Project and Thesis | 5 | 120 |
| MP 935 | Toxicology Project and Thesis                               | 5 | 120 |

#### List B

|        |  |   |    |
|--------|--|---|----|
| MP 943 | Advanced Techniques in Drug Delivery                               | 5 | 10 |
| MP979  | Advanced Techniques in Drug Discovery                              | 5 | 10 |
| MP 948 | Advanced Techniques in Pharmaceutical<br>Materials and Formulation | 5 | 10 |
| MP977  | Advanced Techniques in Toxicological Analysis                      | 5 | 10 |
| MP 968 | Advanced Techniques in In vivo Research                            | 5 | 10 |
| List C |  |   |    |
| MP 952 | Advanced Topics in Drug Delivery                                   | 5 | 10 |
| MP978  | Advanced Topics in Drug Discovery                                  | 5 | 10 |
| MP 955 | Advanced Topics in Molecular Biology                               | 5 | 10 |
| MP 957 | Advanced Topics in Pharmacology                                    | 5 | 10 |
| MP 958 | Advanced Topics in Pharmaceutical<br>Materials and Formulation     | 5 | 10 |
| MP976  | Advanced Topics in Toxicology                                      | 5 | 10 |

To qualify for the award of the degree of MRes the student must normally undertake the following combination of classes:

*Drug Delivery Systems:* MP903, MP943 and MP952  
or MP967, MP948 and MP958

*Drug Discovery:* MP982, MP979 and MP978

*Toxicology:* MP 9ea, 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:

| Classes |                       | Level | Credits |
|---------|-----------------------|-------|---------|
| MP 922  | Research Project      | 5     | 120     |
| MP 923  | Clinical Induction    | 5     | 20      |
| MP 924  | Clinical Assignment 1 | 5     | 20      |
| MP 925  | Health Service Skills | 5     | 20      |

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:

| Compulsory Classes |                   | Level | Credits |
|--------------------|-------------------|-------|---------|
| MP 932             | Clinical Skills   | 5     | 60      |
| MP 933             | Research Skills   | 5     | 60      |
| MP 934             | Literature Review | 5     | 60      |

#### **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 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: |  | Level | Credits |
|---------------------|--|-------|---------|
| CL 931              | Research Protocols for Science and Engineering | 5     | 10      |
| EF 925              | Research Project                               | 5     | 120     |
| and either          |  |       |         |
| DM 933              | Engineering Risk Management                    | 5     | 10      |
| or                  |  |       |         |
| EF 931              | Project Management                             | 5     | 10      |

#### 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.



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

**Award**

20.40.8 **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**

20.40.9 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.

20.40.10 to  
20.40.25 (numbers not used)

## **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:

| Compulsory Class                     | Level | Credits |
|--------------------------------------|-------|---------|
| EE 953 External Study 1 (Management) | 5     | 15      |

(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

20.40.34 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**

20.40.35 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**

20.40.36 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).

20.40.37 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)

**20.41 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 |   | Level | Credits |
|--------------------|---|-------|---------|
| 22 563             | Ecology, Sustainability and the Built Environment | 4     | 10      |
| AB 930             | Construction Project Management                   | 5     | 10      |
| EF xxx             | Sustainability                                    | 5     | 10      |
| CL 931             | Research Protocols in Science and Engineering     | 5     | 10      |
| AB 972             | Research Project                                  | 5     | 120     |

**Optional Classes**

No fewer than 20 credits chosen from Level 5 classes offered within the Faculty of Engineering, as approved by the Course Director.

|        |                                  |   |    |
|--------|----------------------------------|---|----|
| CL 955 | Environmental Management Systems | 5 | 10 |
| CL 956 | Environmental Business Strategy  | 5 | 10 |
| EF 931 | Project Management               | 5 | 10 |
| EF 932 | Risk Management                  | 5 | 10 |
| EF 933 | Design Management                | 5 | 10 |
| EV 939 | Environmental Impact Assessment  | 5 | 10 |

**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**

**20.42 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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| BE918              | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919              | Research Methodology                           | 5     | 10      |
|                    | MRes Project                                   | 5     | 120     |

Either

|       |                     |   |    |
|-------|---------------------|---|----|
| BE911 | Engineering Science | 5 | 20 |
|-------|---------------------|---|----|

or

|       |                                 |   |    |
|-------|---------------------------------|---|----|
| BE915 | Medical Science for Engineering | 5 | 20 |
|-------|---------------------------------|---|----|

dependent on the academic background of the student and chosen after consultation with the Course Director.

Optional Classes

No fewer than 20 credits chosen from:

|       |  |   |    |
|-------|--|---|----|
| BE916 | Introduction to Biomechanics               | 5 | 10 |
| BE902 | Prosthetics and Orthotics                  | 5 | 10 |
| BE901 | Regenerative Medicine & Tissue Engineering | 5 | 10 |
| BE900 | Tissue Mechanics                           | 5 | 10 |
| BE909 | Biomedical Electronics                     | 5 | 10 |
| Be904 | Clinical and Sports Biomechanics           | 5 | 10 |
| BE905 | Bio-signal Processing and Analysis         | 5 | 10 |
| BE906 | Biomaterials and biocompatibility          | 5 | 10 |
| BE903 | Cardiovascular Devices                     | 5 | 10 |
| BE908 | Biomedical Instrumentation                 | 5 | 10 |

### **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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| 59 906             | Introductory Pharmacology                      | 5     | 20      |
| BE915              | Medical Science for Engineering                | 5     | 20      |
| BE910              | EngD/MSc Medical Devices Project               | 5     | 20      |
| BE918              | Professional Studies in Biomedical Engineering | 5     | 10      |
| BE919              | Research Methodology                           | 5     | 10      |
| BE909              | Biomedical Electronics                         | 5     | 10      |
| BE908              | Biomedical Instrumentation                     | 5     | 10      |
| MP 942             | Advanced Techniques in Biomedical Research     | 5     | 10      |
| BM 919             | Medical Genomics                               | 5     | 10      |

### 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)

## **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                        | Level | Credits |
|----------|---|-------|---------|
|          | 65 951 Research Methodology in Healthcare | 5     | 18      |
|          | 65956 Project                             | 5     | 120     |
|          | <i>and either</i>                         |       |         |
|          | 65 949 Case Studies in Medical Technology | 5     | 18      |
|          | <i>or</i>                                 |       |         |
|          | 65 950 Elements of Medical Science        | 5     | 18      |

#### **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**

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.

20.42.45 The final assessment will be based on performance in the examinations, the coursework and the project.

**Award**

20.42.46 **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**

20.42.47 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.

20.43 (Number not used)

## 20.44 Department of Civil and Environmental Engineering

### Geoenvironmental Engineering

#### MRes in Geoenvironmental Engineering

##### Course Regulations

[These regulations are to be read in conjunction with Regulations 20 and 20.4]

##### 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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 954             | Contaminated Land                            | 5     | 10      |
| CL 906             | Site Investigation and Risk Assessment       | 5     | 10      |
| CL 907             | MRes Dissertation                            | 5     | 120     |
| CL 931             | Research Protocols for Science & Engineering | 5     | 10      |
| CL 935             | Hydrogeology                                 | 5     | 10      |

##### Optional Classes

No fewer than 20 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| CL9071 | Air Pollution, Climate Change & Human Health | 5 | 10 |
| CL 904 | Waste Management and Landfill Design         | 5 | 10 |
| CL 961 | Geographical Information Systems (GIS)       | 5 | 10 |
| CL 951 | Groundwater Flow Modelling                   | 5 | 10 |
| CL 952 | Aquifer Mechanics                            | 5 | 10 |
| EV 921 | Water and Environment 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  
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**

20.44.5 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.

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

### **Award**

20.44.7 **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**

20.44.8 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.

20.44.9

to 20.44.10 (Numbers not used)

## **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**

20.44.11 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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 970             | Environmental Pollution Management           | 5     | 10      |
| CL 904             | Waste Management and Landfill Design         | 5     | 10      |
| CL 931             | Research Protocols for Science & Engineering | 5     | 10      |
| CL 975             | Environmental Chemistry                      | 5     | 10      |
| CL 907             | MRes Dissertation                            | 5     | 120     |

**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.

**Award**  
20.44.17 **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.

**Transfer**  
20.44.18 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)

## **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**

20.44.21 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**

20.44.22 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**

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

#### **Curriculum**

20.44.24 All students shall undertake an approved curriculum as follows:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| CL 971             | Air Pollution, Climate Change & Human Health | 5     | 10      |
| CL 907             | MRes Dissertation                            | 5     | 120     |

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

20.44.25 Candidates are required to pass written examinations and to perform to the satisfaction of the Board of Examiners in the coursework and the Dissertation.

20.44.26 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.

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

#### **Award**

20.44.28 **Degree of MRes:** In order to qualify for the award of the degree of MRes in Climate Change Adaptation, a candidate must have accumulated no fewer than 180 credits, of which 120 must have been awarded in respect of the Dissertation.

#### **Transfer**

20.44.29 A 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.



## 20.45 Department of Design Manufacture and Engineering Management

### Systems Engineering

#### Doctor of Engineering (EngD) in Systems Engineering

##### 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                                 | Level | Credits |
|--|-------|---------|
| 56 961 Compulsory Core 1: Introduction to Systems* | 5     | 40      |
| 56 962 Compulsory Core 2: Advanced Systems**       | 5     | 50      |
| 56 963 Dissertation                                | 5     | 60      |

\* delivered at Loughborough University

\*\* delivered at the University of Bath

##### Optional Classes

No fewer than 30 credits chosen from:

|  |   |    |
|--|---|----|
| 56 901 Logistics   | 5 | 12 |
| 56 904 Manufacturing Systems                                 | 5 | 12 |
| 56 906 CAED Systems  | 5 | 12 |
| 56 911 Systems Integration                                   | 5 | 12 |
| 56 931 Knowledge Engineering and Management<br>for Engineers | 5 | 12 |
| 56 941 Modelling of Manufacturing and<br>Business Systems    | 5 | 12 |

|        |  |   |    |
|--------|--|---|----|
| 56 942 | Management of Total Quality and Continuous Improvement | 5 | 12 |
| 56 944 | People, Organisations & Technology                     | 5 | 12 |
| 56 945 | Strategic Technology Management                        | 5 | 12 |
| 56 946 | E-Business and Supply Chain Management                 | 5 | 12 |
| EF 901 | Design Management                                      | 5 | 12 |
| EF 903 | Ecological and Environmental Impact                    | 5 | 12 |
| EF 908 | Information Management                                 | 5 | 12 |
| EF 909 | Finance  | 5 | 12 |
| EF 910 | Risk Management  | 5 | 12 |

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

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:

| Compulsory Classes |   | Level | Credits |
|--------------------|---|-------|---------|
| DM 920             | Strategic Technology Management             | 5     | 10      |
| DM 932             | Postgraduate Individual Project             | 5     | 60      |
| DM 942             | Manufacturing Automation                    | 5     | 10      |
| DM 946             | Micro- and Nano-Manufacturing               | 5     | 10      |
| DM 947             | Advanced Forming Technology and Systems     | 5     | 10      |
| DM 948             | Advanced Material and Production Technology | 5     | 10      |
| 65 905             | Research Methodology                        | 5     | 10      |

###### 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:

| Compulsory Classes |                   | Level | Credits |
|--------------------|-------------------|-------|---------|
| EE 964             | Research Skills 1 | 5     | 10      |
| EE 965             | MRes Dissertation | 5     | 90      |

#### 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.

20.46.26 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.

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

**Award**

20.46.28 **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**

20.46.29 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.

20.47

to 20.79 (Numbers not used.)

## 20.60 Faculty Courses

### Master of Research (MRes)

MRes in Creative Writing  
MRes in English  
MRes in French  
MRes in History  
MRes in Italian  
MRes in Spanish  
MRes in Journalism

### Course Regulations

[These regulations are to be read in conjunction with Regulations 20.4]

### Admission

20.60.1 Regulation 20.4.1 shall apply.

20.60.2 Candidates will be admitted to MRes study in the Faculty of Humanities and Social Sciences

### Duration of Study

20.60.3 Regulations 20.4.5 and 20.4.6 will apply.

### Mode of Study

20.60.4 The degree is available by full-time and part-time study.

### Curriculum

20.60.5 All students will undertake an approved curriculum as follows:

| Compulsory Class  | Level | Credits |
|---|-------|---------|
| either  |       |         |
| QQ 907 Dissertation in English                                  | 5     | 160     |
| or  |       |         |
| R1 900 Dissertation in French                                   | 5     | 160     |
| 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

- 20.60.6 Regulations 20.4.18 to 20.4.25 shall apply  
20.60.7 The final assessment will be based on performance in the coursework, examinations, dissertation and, if appropriate, in an oral examination.

**Award**

- 20.60.8 **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.



## **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.

20.80.7 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 |  | Level | Credits |
|--------------------|--|-------|---------|
| Xx xxx             | Dissertation                                     | 5     | 120     |
| and either         |  |       |         |
| xx xxx             | Advanced Quantitative Methods: Survey and Design | 5     | 10      |
| and                |  |       |         |
| BF 998             | Advanced Quantitative Methods                    | 5     | 10      |
| or                 |  |       |         |
| BF 995             | Advanced Qualitative Methods                     | 5     | 20      |

#### Optional Classes

No fewer than 40 credits chosen from:

|        |  |   |    |
|--------|--|---|----|
| BF 977 | Special Topics 1                                 | 5 | 20 |
| BF 978 | Special Topics 2                                 | 5 | 20 |
| BF 979 | Special Topics 3                                 | 5 | 20 |
| BF 996 | Writing and Presenting Research                  | 5 | 10 |
| BF 997 | Interdisciplinary Collaborative Research         | 5 | 10 |
| MS 502 | Basic Reliability Theory and Techniques          | 5 | 5  |
| MS 503 | Advanced System Reliability Modelling            | 5 | 5  |
| MS 507 | Modelling within Reliability and Maintainability | 5 | 10 |
| MS 927 | Risk Analysis and Management                     | 5 | 10 |
| MS 962 | Foundations of Risk                              | 5 | 10 |
| MS 963 | Risk Governance                                  | 5 | 10 |
| Z1 937 | Entrepreneurship Research                        | 5 | 10 |

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

|        |  |   |    |
|--------|--|---|----|
| MS 502 | Basic Reliability Theory and Techniques          | 5 | 5  |
| MS 503 | Advanced System Reliability Modelling            | 5 | 5  |
| MS 507 | Modelling within Reliability and Maintainability | 5 | 10 |
| MS 927 | Risk Analysis and Management                     | 5 | 10 |
| MS 962 | Foundations of Risk                              | 5 | 10 |
| MS 963 | Risk Governance                                  | 5 | 10 |

#### Optional Classes

No fewer than 10 credits chosen from

|        |  |   |    |
|--------|--|---|----|
| BF 977 | Special Topics 1                         | 5 | 20 |
| BF 995 | Advanced Qualitative Methods             | 5 | 20 |
| BF 996 | Writing and Presenting Research          | 5 | 10 |
| BF 997 | Interdisciplinary Collaborative Research | 5 | 10 |
| Xx xxx | Entrepreneurship Research                | 5 | 10 |

Such other classes at Level 5 offered by the Business School as may be approved by the Course Organiser.

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

20.80.24 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.

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

### **Award**

20.80.26 **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**

20.80.27 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.

20.81

to 20.119 (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:

| Compulsory Class                    | Level | Credits |
|-------------------------------------|-------|---------|
| Either                              |       |         |
| QQ 907      Dissertation in English | 5     | 160     |
| or                                  |       |         |
| R1 900      Dissertation in French  | 5     | 160     |

|        |                                  |  |   |     |
|--------|----------------------------------|--|---|-----|
| 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 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

- (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:

| Compulsory Classes |  | Level | Credits |
|--------------------|--|-------|---------|
| X7 825             | EdD Thesis                                   | 5     | 300     |
| X7 823             | Methods of Enquiry in Professional Education | 5     | 60      |
| X7 821             | Literature and Scholarship                   | 5     | 60      |
| X7 822             | The Professional Dimension                   | 5     | 60      |
| X7 824             | Synoptic Paper                               | 5     | 60      |

### **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**

20.122.11 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 Psychology

### 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  
to 20.132.20 (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

| Compulsory Classes |                              | Level | Credits |
|--------------------|------------------------------|-------|---------|
| 35 902             | Quantitative Methods 1       | 5     | 15      |
| 35 903             | Philosophy of Social Science | 5     | 15      |
| GS 902             | Qualitative Methods          | 5     | 15      |

|        |                       |   |     |
|--------|-----------------------|---|-----|
| GS 917 | Action Research       | 5 | 20  |
| GS 918 | Social Research Today | 5 | 15  |
| GS 919 | Dissertation          | 5 | 100 |

### **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 Continuing 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.

22.2  
to 22.75

(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

- 22.124.1 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

- 22.124.2 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

- 22.124.3 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

- 22.124.4 All students shall undertake classes amounting to 120 credits as follows:

|        |   |   |    |
|--------|---|---|----|
| R1 109 | Introduction to French 1A                               | 1 | 20 |
| R1 110 | Introduction to French 1B                               | 1 | 20 |
| R1 203 | French Language 2A                                      | 2 | 20 |
| R1 204 | French Language 2B                                      | 2 | 20 |
| R1 210 | Dealing with Difference in France and Francophone World | 2 | 20 |
| R1 305 | French Language 3A                                      | 3 | 20 |

#### Examinations and Progress

- 22.124.5 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.

- 22.124.6 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.

#### Award

- 22.124.7 In order to qualify for the award of the Certificate a candidate must have accumulated no fewer than 120 credits.

22.124.8  
to  
22.124.10 (Numbers not used)

## **Certificate of Continuing Education in Italian**

### **Course Regulations**

[These regulations are to be read in conjunction with Regulation 22.1]

### **Admission**

22.124.11 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**

22.124.12 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**

22.124.13 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**

22.124.14 All students shall undertake classes amounting to 120 credits as follows:

|        |   |   |    |
|--------|---|---|----|
| R3 114 | Introduction to Italian 1A                | 1 | 20 |
| R3 115 | Introduction to Italian 1B                | 1 | 20 |
| R3 208 | Modern Italy – State, Culture and Society | 2 | 20 |
| R3 209 | Italian Language 2A                       | 2 | 20 |
| R3 210 | Italian Language 2B                       | 2 | 20 |
| R3 394 | Italian Language 3A                       | 3 | 20 |

### **Examinations and Progress**

22.124.15 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

22.124.16 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.

### **Award**

22.124.17 In order to qualify for the award of the Certificate a candidate must have accumulated no fewer than 120 credits.

22.124.18  
to  
22.124.20 (Numbers not used)

## **Certificate of Continuing Education in Spanish**

### **Course Regulations**

[These regulations are to be read in conjunction with Regulation 22.1]

#### **Admission**

22.124.21 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**

22.124.22 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**

22.124.23 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**

22.124.24 All students shall undertake classes amounting to 120 credits as follows:

|        |   |   |    |
|--------|---|---|----|
| R4 109 | Introduction to Spanish 1A                            | 1 | 20 |
| R4 110 | Introduction to Spanish 1B                            | 1 | 20 |
| R4 200 | Independence and Isolation in Spain and Latin America | 2 | 20 |
| R4 206 | Spanish Language 2A                                   | 2 | 20 |
| R4 207 | Spanish Language 2B                                   | 2 | 20 |
| R4 308 | Spanish Language 3A                                   | 3 | 20 |

#### **Examinations and Progress**

22.124.25 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.

22.124.26 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.

#### **Award**

22.124.27 In order to qualify for the award of the Certificate a candidate must have accumulated no fewer than 120 credits.

22.124.28  
to



22.124.30 (Number not used)

**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**

22.124.31 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..124.32 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**

22.124.33 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**

22.124.34 All students shall undertake a curriculum based on the accumulation of no fewer than 114 credits as follows:

**French**

|             |          | Level | Credits |
|-------------|----------|-------|---------|
| 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 |
| <b>Spanish</b> |           |   |    |
| 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**

- 22.124.35 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
- 22.124.36 In order to proceed to the next year of the course, students must pass all classes for which they are registered by September.

### **Award**

- 22.124.36 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.

## **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.

## 23.1 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

23.1.1 Applicants will normally be aged 21 years or over.

#### Mode and Duration of Study

23.1.2 The Open Studies Certificate is offered on a part-time basis only.

23.1.3 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.

#### 23.1.4 Place of Study

See Regulation 11.1.7

#### Credit Transfer and Recognition of Prior Learning

23.1.5 Regulation 11.1.2, where exemption is granted this shall normally not exceed 10 credits.

23.1.6 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

23.1.7 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

23.1.8 See Regulation 11.1.22

- 23.1.9           **Assessment**  
See Regulations 11.1.26-11.1.35
- 23.1.10           **Award of Credits**  
See Regulation 11.1.39
- 23.1.11           **Progress of Students**  
See Regulation 11.1.40
- 23.1.12           **Suspension and Withdrawal**  
See Regulations 11.1.44, 11.1.47 – 11.1.49
- 23.1.13           **Appeals against Suspension and Withdrawal**  
See Regulations 11.1.52 – 11.1.55.
- 23.1.14           **Award**  
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.
- 23.2  
to 23.10           (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

23.11.1 See Regulation 23.1.1

#### Certificate Structure

23.11.2 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)

In the case of Open Studies Certificate (Language Studies), the Certificate may be awarded in a specified language.

#### Curriculum

23.11.3 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

23.11.4

| Applied Arts                           | Level | Credits |
|--|-------|---------|
| OS 186 Life Drawing in Colour          | 1     | 10      |
| OS 284 Taking Acrylics Further 3       | 2     | 10      |
| OS 285 Dynamic Drawing with Colour     | 1     | 10      |
| OS 287 Taking Watercolours Further 4   | 2     | 10      |
| OS 401 Drawing and Painting Stage 1    | 1     | 10      |
| OS 402 Drawing and Painting Stage 2    | 1     | 10      |
| OS 403 Drawing and Painting 3          | 1     | 10      |
| OS 641 Learn to Draw                   | 1     | 10      |
| OS 642 Learn to Paint                  | 1     | 10      |
| OS 643 Taking Acrylics Further 1       | 1     | 10      |
| OS 644 Taking Acrylics Further 2       | 1     | 10      |
| OS 645 Introduction to Portraiture     | 1     | 10      |
| OS 646 Taking Portraiture Further      | 1     | 10      |
| OS 647 Life Drawing                    | 1     | 10      |
| OS 648 Taking Life Drawing Further     | 1     | 10      |
| OS 649 Taking Watercolours Further 2   | 1     | 10      |
| OS 650 Taking Watercolours Further 3   | 1     | 10      |
| OS 655 Handbuilt Pottery for Beginners | 1     | 10      |
| OS 656 Digital Photography 1           | 1     | 10      |



|                               |  |   |    |
|-------------------------------|--|---|----|
| OS 657                        | Digital Photography 2                            | 1 | 10 |
| OS 658                        | Taking Watercolours Further 1                    | 1 | 10 |
| OS XXX                        | Learn to Paint with Acrylics                     | 1 | 10 |
| OS XXX                        | Learn to Paint with Oils                         | 1 | 10 |
| OS XXX                        | Learn to Paint with Watercolours                 | 1 | 10 |
| OS XXX                        | Taking Acrylic Painting Further 4                | 1 | 10 |
| OS XXX                        | Acrylic Painting: Portfolio Class                | 1 | 10 |
| OS XXX                        | Watercolour Painting: Portfolio Class            | 1 | 10 |
| Applied Writing               |  |   |    |
| OS 282                        | Taking Creative Writing Further 3                | 2 | 10 |
| OS 283                        | An Introduction to Novel Writing                 | 2 | 10 |
| OS 616                        | Creative Writing for Beginners                   | 1 | 10 |
| OS 617                        | Taking Creative Writing Further 1                | 1 | 10 |
| OS 618                        | Taking Creative Writing Further 2                | 1 | 10 |
| Coaching                      |  |   |    |
| OS 559                        | Coaching Stage 1                                 | 1 | 10 |
| OS 560                        | Coaching Stage 2                                 | 1 | 10 |
| OS 561                        | Coaching Stage 3                                 | 1 | 10 |
| Cultural and Literary Studies |  |   |    |
| OS 610                        | Access to University Study                       | 1 | 20 |
| OS 611                        | How to Look at Art                               | 1 | 10 |
| OS 612                        | How to Look at Scottish Art: 1740 to the Present | 1 | 10 |
| OS 613                        | How to Look at Modern Art                        | 1 | 10 |
| OS 614                        | Scottish Architecture                            | 1 | 10 |
| OS 615                        | Going to the Movies                              | 1 | 10 |
| OS 619                        | Philosophical Inquiry for Beginners              | 1 | 10 |
| OS 623                        | Philosophy for Beginners                         | 1 | 10 |
| OS 624                        | Psychology for Beginners                         | 1 | 10 |
| OS 625                        | Forensic Psychology for Beginners                | 1 | 10 |
| OS 910                        | General Credit                                   | 1 | 10 |
| OS 111                        | Independent Study 1                              | 1 | 10 |
| OS 112                        | Independent Study 2                              | 1 | 20 |
| Genealogical Studies          |  |   |    |
| OS 626                        | Family History Research: An introduction         | 1 | 10 |
| OS 627                        | Genealogy: Beyond the Basics                     | 1 | 10 |
| OS 628                        | Family History, the Internet and More            | 1 | 10 |
| Language Studies              |  |   |    |
| OS 101                        | Arabic 1   | 1 | 10 |
| OS 102                        | Arabic 2   | 1 | 10 |
| OS 103                        | Arabic 3   | 1 | 10 |
| OS 111                        | Catalan 1  | 1 | 10 |
| OS 112                        | Catalan 2  | 1 | 10 |
| OS 121                        | Dutch 1  | 1 | 10 |
| OS 122                        | Dutch 2  | 1 | 10 |
| OS 123                        | Dutch Stage 3                                    | 1 | 10 |
| <i>either</i>                 |  |   |    |
| OS 035                        | French 1A  | 1 | 10 |

|               |                             |   |    |
|---------------|-----------------------------|---|----|
| <i>and</i>    |                             |   |    |
| OS 036        | French 1B                   | 1 | 10 |
| <i>or</i>     |                             |   |    |
| OS 132        | French 2                    | 1 | 10 |
| OS 133        | French 3                    | 1 | 10 |
| <i>either</i> |                             |   |    |
| OS 045        | German 1A                   | 1 | 10 |
| <i>and</i>    |                             |   |    |
| OS 046        | German 1B                   | 1 | 10 |
| <i>or</i>     |                             |   |    |
| OS 142        | German 2                    | 1 | 10 |
| OS 143        | German 3                    | 1 | 10 |
| OS 151        | Irish 1                     | 1 | 10 |
| OS 152        | Irish 2                     | 1 | 10 |
| OS 153        | Irish 3                     | 1 | 10 |
| <i>either</i> |                             |   |    |
| OS 065        | Italian 1A                  | 1 | 10 |
| <i>and</i>    |                             |   |    |
| OS 066        | Italian 1B                  | 1 | 10 |
| <i>or</i>     |                             |   |    |
| OS 162        | Italian 2                   | 1 | 10 |
| OS 163        | Italian 3                   | 1 | 10 |
| OS 171        | Portuguese 1                | 1 | 10 |
| OS 172        | Portuguese 2                | 1 | 10 |
| OS 173        | Portuguese Stage 3          | 1 | 10 |
| OS 181        | Russian 1                   | 1 | 10 |
| OS 182        | Russian 2                   | 1 | 10 |
| OS 183        | Russian 3                   | 1 | 10 |
| <i>either</i> |                             |   |    |
| OS 095        | Spanish 1A                  | 1 | 10 |
| <i>and</i>    |                             |   |    |
| OS 096        | Spanish 1B                  | 1 | 10 |
| <i>or</i>     |                             |   |    |
| OS 192        | Spanish 2                   | 1 | 10 |
| OS 193        | Spanish 3                   | 1 | 10 |
| OS 201        | Basque 1                    | 1 | 10 |
| OS 211        | Romanian 1                  | 1 | 10 |
| OS 221        | Gaelic 1                    | 1 | 10 |
| OS 222        | Gaelic 2                    | 1 | 10 |
| OS 223        | Gaelic 3                    | 1 | 10 |
| OS 231        | Japanese 1                  | 1 | 10 |
| OS 232        | Japanese 2                  | 1 | 10 |
| OS 233        | Japanese Stage 3            | 1 | 10 |
| OS 241        | Polish 1                    | 1 | 10 |
| OS 242        | Polish 2                    | 1 | 10 |
| OS 243        | Polish Stage 3              | 1 | 10 |
| OS 251        | Chinese (Mandarin) Stage 1  | 1 | 10 |
| OS 252        | Chinese (Mandarin ) Stage 2 | 1 | 10 |
| OS 253        | Chinese (Mandarin) Stage 3  | 1 | 10 |
| OS 261        | Cantonese Stage 1           | 1 | 10 |
| OS 271        | Spoken Hindi/Urdu Stage 1   | 1 | 10 |
| OS 272        | Hindi Stage 2               | 1 | 10 |

|        |               |   |    |
|--------|---------------|---|----|
| OS 273 | Hindi Stage 3 | 1 | 10 |
| OS 276 | Urdu Stage 2  | 1 | 10 |
| OS 277 | Urdu Stage 3  | 1 | 10 |
| OS 281 | Greek 1       | 1 | 10 |

#### Theatre Arts

|        |                                      |   |    |
|--------|--------------------------------------|---|----|
| OS 629 | Acting 1                             | 1 | 10 |
| OS 630 | Acting 2                             | 1 | 10 |
| OS 631 | Acting 3                             | 1 | 10 |
| OS 632 | Acting 4                             | 1 | 10 |
| OS 633 | Acting in Shakespeare                | 1 | 10 |
| OS 634 | The Art of Directing                 | 1 | 10 |
| OS 635 | Finding Your Voice                   | 1 | 10 |
| OS 636 | Stand-up Comedy 1                    | 1 | 10 |
| OS 637 | Stand-up Comedy 2                    |   | 10 |
| OS 638 | How to Write for Stage and Screen    | 1 | 10 |
| OS 639 | How to Write for Film                |   |    |
| OS 640 | Advanced Writing for Film and Screen | 1 | 10 |

#### **Progress**

23.11.5 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**

23.11.6 In order to qualify for the award of the Open Studies Certificate, a student must have accumulated no fewer than 30 credits.

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 Academic Quality Officer, Education Enhancement, University of Strathclyde, Glasgow G1 1XQ (Telephone 0141 548 4967).