PROGRAMME DETAILS

Programme Code: F2B1-BIM
Department: Computer Science
Main Award: MSC - Master of Science
Full Award Title: Master of Science in Business Information Management
Level: Postgraduate Taught

LOCATION OF STUDY

<table>
<thead>
<tr>
<th>Location</th>
<th>Edinburgh</th>
<th>Scottish Borders</th>
<th>Orkney</th>
<th>Dubai</th>
<th>Malaysia</th>
<th>Approved Learning Partner</th>
<th>Independent Distance Learners</th>
<th>Collaborative Learning Partner</th>
<th>Other</th>
<th>Other</th>
</tr>
</thead>
</table>

ASSOCIATED AWARDS

<table>
<thead>
<tr>
<th>Programme Code</th>
<th>Award</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>F2B1-BIM</td>
<td>MSC</td>
<td>Master of Science in Business Information Management</td>
</tr>
<tr>
<td>F2B2-BIM</td>
<td>PGDIP</td>
<td>Postgraduate Diploma in Business Information Management</td>
</tr>
<tr>
<td>F2B3-ZZZ</td>
<td>PGCERT</td>
<td>Postgraduate Certificate in Business Information Management</td>
</tr>
</tbody>
</table>

ACCREDITATION

N/A

LEARNING OUTCOMES – SUBJECT MASTERY

Understanding, Knowledge and Cognitive Skills

- Critical understanding of the main theories, principles and concepts relating to the domain of digital information management including terminology, conventions, standards and methodologies.
- Understanding and use of a significant range of the main skills, techniques and practices in information application development, and a range of specialised skills, research and investigation techniques, and practices informed by current practices within this domain.
- Broad knowledge of the main areas of information system, databases, business management, application-based knowledge and skills relating to the broad range of handling information in business processes, and specialist knowledge and skills in applications relating to a number of specialist areas such as business organisation, e-commerce, information processing and IT project management.

Scholarship, Enquiry and Research (Research Informed Learning)

- Extensive, detailed and critical understanding of at least one specialist area within the domain of business information management application development obtained through researching the background to a substantial and challenging project by personal scholarship and conducting a detailed empirical investigation into business information issues at stake.
- Detailed knowledge and understanding of data sources relating to business information management application developments as well the practical skills in how to exploit them in support of original and creative application development.
- Specialist and critical knowledge, understanding and skills in a number of mainstream and specialist areas within the domain of digital information management application.
development including business strategies, digital marketing, e-commerce and IT project management.

LEARNING OUTCOMES – PERSONAL ABILITIES

Industrial, Commercial and Professional Practice

• Demonstrate critical awareness of current issues within business information management application development, and make informed judgements about them in the light of relevant professional standards.
• Demonstrate an awareness of professional and research issues in the discipline, and an ability to critique current techniques and practice.

Autonomy, Accountability and Working With Others

• Work autonomously and within teams, as appropriate, demonstrating a capability for both taking and critically reflecting on roles and responsibilities.
• Develop and utilise advanced problem-solving skills and techniques in the shared development of original and creative solutions to general and specialist business information management issues.
• Develop and demonstrate skills and techniques in communication with peers and academic/industrial staff, using a range of appropriate methods to suit different levels of knowledge and expertise within the audience.

Communication, Numeracy & Information and Communications Technology

• Develop and demonstrate the ability to communicate and present the main issues involved in business information management application development to a literate audience with appropriate use of modern presentational tools and aids.
• Demonstrate appropriate use of methods of calculation and estimation involved in planning digital and information systems solutions and solving information management applications of business processes.

APPROACHES TO TEACHING AND LEARNING

This programme is offered in a traditional campus-based, cohort model. Within the timetable, courses offer traditional lecture-based materials, small group tutorials and a variety of laboratory-based practicals. Students are expected to complete coursework in groups, teams and pairs, as well as individually, and courses offer a range of types of coursework for assessment, from discursive essay-style assignments to code design and generation. In some courses, team teaching approaches are adopted to provide additional support and variety, and electronic support, in the form of email lists, newsgroups and bulletin boards are widely used to disseminate information and support student communication and practice.

EDUCATIONAL AIMS OF THE PROGRAMME
Detailed knowledge and critical understanding of the information management and IT techniques needed to address modern business problems.

Significant range of principal and specialist skills, techniques and practices in applying IT, information systems and data management techniques to business and ecommerce application areas.

Ability to critically review existing practice and develop original and creative solutions to managing information digitally in application development problems.

Experience of executing a significant project, investigation or development in the area of applying IT and information management techniques to modern business processes that demonstrates advanced skills and a critical understanding of the technologies required.

ASSESSMENT POLICIES

Postgraduate programmes consist of two phases:

A taught phase, consisting of a set of 8 taught courses, some mandatory and some optional, defined in the programme structure, which the students will study over two semesters. Assessment of the taught phase is through a variety of methods including coursework and/or examination. Students must submit all elements of assessment before being permitted to progress.

A dissertation phase, consisting of two stages: an appropriate technical research project and project dissertation report, and a poster and demonstration-based presentation.

Students will normally complete the taught phase, at which point progression to the dissertation phase is dependent on assessed performance. To progress students must meet the criteria stipulated in point 9 below in the taught material.

Students meeting the required standards for Masters in the taught phase (set out in point 9 below) will be permitted to progress to the dissertation phase.

Students meeting the required standards for Postgraduate Diploma and Postgraduate Certificate (set out in point 9 below) in the taught phase, but not meeting the Masters standard, will not be permitted to progress to the dissertation phase. Students may be recommended to graduate with a Postgraduate Diploma or a Postgraduate Certificate at this point.

Students failing to meet the required standards for Postgraduate Diploma and Postgraduate Certificate (set out in point 9 below) in coursework and examination in the taught phase will not be permitted to progress to the dissertation phase, nor will they be eligible for any award.

Any student will be able to retake the assessment of up to a maximum of 3 courses at the next opportunity, subject to payment of the appropriate fees to the University, and may be required to do so to obtain the necessary credits for completion of their programme or for progression. Students may only resit courses for which their examination grade is E or F (or a D but only if that is required for them to qualify for an MSc degree). The method of reassessment for each course is specified in the appropriate course descriptor.
### Programme Structure

#### Mandatory Courses

<table>
<thead>
<tr>
<th>Edinburgh/Orkney/SBC</th>
<th>Malaysia</th>
<th>Dubai</th>
<th>ALP</th>
<th>IDL</th>
<th>Coll. Partner</th>
<th>Stage</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>SCQF Cr</th>
<th>SCQF Lvl</th>
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<tbody>
<tr>
<td>X</td>
<td>1</td>
<td>1</td>
<td>F21DF</td>
<td>Databases and Information Systems</td>
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<td>11</td>
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<td>X</td>
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<td>F21IF</td>
<td>Information Systems Methodologies</td>
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<tr>
<td>X</td>
<td>1</td>
<td>2</td>
<td>F21DE</td>
<td>Digital and Knowledge Economy</td>
<td>15</td>
<td>11</td>
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<tr>
<td>X</td>
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<td>2</td>
<td>F21RP</td>
<td>Research Methods and Project Planning</td>
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<td>X</td>
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<td>3</td>
<td>F21MP</td>
<td>Masters Project and Dissertation</td>
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#### Optional Courses

<table>
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<tr>
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<th>ALP</th>
<th>IDL</th>
<th>Coll. Partner</th>
<th>Stage</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>SCQF Cr</th>
<th>SCQF Lvl</th>
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<td>C11CS</td>
<td>Competitive Strategy</td>
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<tr>
<td>X</td>
<td>1</td>
<td>1</td>
<td>C11OH</td>
<td>Work Culture &amp; Organisations</td>
<td>15</td>
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<td>X</td>
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<td>Information Technology Master Class</td>
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<tr>
<td>X</td>
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<td>F21AD</td>
<td>Advanced Interaction Design</td>
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<td>X</td>
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<td>Big Data Management</td>
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<td>2</td>
<td>F21EC</td>
<td>e-Commerce Technology</td>
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### Composition Notes (PG)

8 taught courses (3 mandatory and 5 optional) plus a dissertation

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Mandatory Credits</td>
<td>45</td>
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<tr>
<td>Optional Credits</td>
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<tr>
<td>Elective Credits</td>
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<tr>
<td>Dissertation Credits</td>
<td>60</td>
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<tr>
<td>Total Credits</td>
<td>180</td>
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### Awards, Credits and Criteria (PG)

<table>
<thead>
<tr>
<th>Award</th>
<th>Overall Credits</th>
<th>Specific Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters Degree</td>
<td>180</td>
<td>180 SCQF credits including a minimum of 150 credit at Level 11</td>
</tr>
<tr>
<td>Postgraduate Diploma</td>
<td>120</td>
<td>120 SCQF credits including a minimum of 90 credit at Level 11</td>
</tr>
<tr>
<td>Postgraduate Certificate</td>
<td>60</td>
<td>60 SCQF credits including a minimum of 40 credit at Level 11</td>
</tr>
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</table>

### Award Requirements
### Table: Overall Mark/Grade Basis

<table>
<thead>
<tr>
<th>Level</th>
<th>Total Course Passes</th>
<th>Overall Mark</th>
<th>Overall Grade</th>
<th>Basis of Overall Mark/Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master (Distinction)</td>
<td>8+Dissertation</td>
<td>70</td>
<td>A</td>
<td>Credit Weighted Average greater than or equal 70% over 8 courses at grades A-C plus a Dissertation at grade A.</td>
</tr>
<tr>
<td>Master</td>
<td>8+Dissertation</td>
<td>50</td>
<td>C</td>
<td>Credit Weighted Average greater than or equal 50% over 8 courses at grades A-D plus a Dissertation at minimum grade C.</td>
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<tr>
<td>Diploma (Distinction)</td>
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<td>70</td>
<td>A</td>
<td>Credit Weighted Average greater than or equal 70% over 8 courses at grades A-C</td>
</tr>
<tr>
<td>Diploma</td>
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<td>40</td>
<td>D</td>
<td>Credit Weighted Average greater than or equal 40% over 8 courses at grades A-E</td>
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<tr>
<td>Certificate</td>
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<td>40</td>
<td>D</td>
<td>Credit Weighted Average greater than or equal 40% over 4 courses at grades A-E</td>
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</tbody>
</table>

### DURATION OF STUDY

<table>
<thead>
<tr>
<th>IN MONTHS</th>
<th>Full-time</th>
<th>Part-time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters</td>
<td>12</td>
<td>24</td>
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<tr>
<td>Diploma</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>Certificate</td>
<td>6</td>
<td>12</td>
</tr>
</tbody>
</table>

### RE-ASSESSMENT (PG)

1. A student who has been awarded a Grade E or F in a course may be re-assessed in that course. A student who has been awarded a Grade D in a course my be re-assessed in that course in order to proceed to or be eligible to receive the award of Masters.
2. A student shall be permitted only one re-assessment opportunity in a maximum of three taught courses. The opportunity for re-assessment in four or more taught courses shall be at the discretion of the Progression Board.
3. Any further re-assessment opportunities in a course will require the approval of the Postgraduate Studies Committee.
4. A student may be permitted, at the discretion of the Progression Board, to be re-assessed in the dissertation, project or other supervised research component of the course of study.

### PROGRESSION TO DISSERTATION/PROJECT

In accordance with University Regulations, to progress to Masters level a minimum of Grade C is required.