D3K7-CPM Master of Science in Construction Project Management

PROGRAMME DETAILS
Programme Code: D3K7-CPM
Department: Construction Mgmt & Surveying
Main Award: MSC - Master of Science
Full Award Title: Master of Science in Construction Project Management
Level: Postgraduate Taught

LOCATION OF STUDY
<table>
<thead>
<tr>
<th></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>D3K5-CPM</td>
<td>PGDIP</td>
<td>Postgraduate Diploma in Construction Project Management</td>
</tr>
<tr>
<td>D3K7-CPM</td>
<td>MSC</td>
<td>Master of Science in Construction Project Management</td>
</tr>
<tr>
<td>D5J0-ZZZ</td>
<td>PGCERT</td>
<td>Postgraduate Certificate in the Built Environment</td>
</tr>
</tbody>
</table>

ACCREDITATION

Royal Institution of Chartered Surveyors (RICS)
Chartered Institute of Building (CIOB)

LEARNING OUTCOMES – SUBJECT MASTERY

Understanding, Knowledge and Cognitive Skills

Fundamentals of project management as covered in core courses

Fundamentals of management as covered in chosen courses

Fundamentals of procurement and contract as covered in chosen courses

Programme options will provide students with the opportunity to study:

Core aspects of value and risk management in design and construction of buildings

Principles of financial management in construction projects

Principles of management approaches in practice

Principles of project, contract and procurement
## Scholarship, Enquiry and Research (Research Informed Learning)

- Apply strategies for appropriate selection of relevant information from a wide source and large body of knowledge
- Analyse and interpret practice problems to develop creative solutions.
- Appreciate the relevant construction project management practice standards and bodies of knowledge as detailed in the BS6079, ISO 140001, RICS, CIOB, APM and PMI BoK to determine appropriate PM services
- Have the ability to carry out an extended investigation into a built environment related topic (MSc level)

## LEARNING OUTCOMES – PERSONAL ABILITIES

### Industrial, Commercial and Professional Practice

- Transfer problem solving skills to a variety of contexts
- Integrate theory and practice
- Apply numerical and scientific skills
- Apply financial and management skills

### Autonomy, Accountability and Working With Others

- Communicate effectively at all levels and using a range of media
- Assess issues associated with working as part of a team and as a team manager
- Plan and organise own learning through self-management and time management
- Proficient use of advanced IT e.g. for data analysis and interpolation

### Communication, Numeracy & Information and Communications Technology

- Appraise and develop continuously and effectively at all levels using a range of media
- Adopt a mature, ethical and professional attitude to the solution of financial, technical, contract and procurement problems.
The overall approach in the programme teaching and learning is student-focused, which is designed to encourage students to take responsibility for their own learning and development.

Programme learning objectives ensure transmission of core knowledge relevant to each course. The level of competency required provides the academic rigour appropriate to Masters programmes. This is achieved through traditional methods of teaching & learning, and can be summatively assessed in examination.

Programme learning outcomes come from overarching Discipline themes. Achievement of them demonstrates skill and mastery of the subject at advanced level and requires students to make value judgements relevant to quantity surveying through reasoned application of core knowledge. This is achieved through student interaction with integrated project work which is assessed by assignment. The requisite competencies related to Subject Mastery are acquired and developed through lectures, tutorials, group work and integrated design project. The design project reinforces the development of subject-specific skills through a co-ordinated set of projects ensuring an interdisciplinary approach to developing professional skills.

Approaches to teaching and learning are continually reviewed and developed with the aim of matching them to the abilities and experiences of students, with regard for the subject area. Specific details about teaching and learning methods are provided in the appropriate course descriptors.

**EDUCATIONAL AIMS OF THE PROGRAMME**

This programme has construction project management as its focus and delivers an understanding of principles that apply across the project management sector. The programme provides practitioners with access to a theoretical base and allows them to appraise current and future strategies in construction project management.

The programme aims are:

- to provide students with a detailed and thorough understanding of the theoretical principles and practices of project management in a construction industry and project environment
- to enable students to have a detailed knowledge, understanding and expertise of construction project management practice in relation to clients needs, procurement, management of people and organisations, business management, and the planning and programming of building projects in the context of the established bodies of knowledge.
- to enable students to understand and manage fully the design, value, risk, operational, financial and
contractual aspects of the construction process.

to provide students with the core skills and a thorough understanding of the responsibilities of the professional construction project manager capable of contributing to an organisation.

**ASSESSMENT POLICIES**

The assessment policy for the programme incorporates a range of assessment types. Continuous assessment during some courses and summative assessment at the conclusion of courses both contribute to the overall assessment and are used to formally measure achievement in specified learning outcomes.

Understanding, knowledge and subject –specific skills are assessed by coursework assignments, integrated design elements and written examinations.

Approaches to assessment are continually reviewed. Specific details about methods of assessment are provided in the appropriate course descriptors.

**PROGRAMME STRUCTURE**

**Mandatory Courses**

<table>
<thead>
<tr>
<th>Edinburgh</th>
<th>SBC</th>
<th>Orkney</th>
<th>Dubai</th>
<th>HWLM</th>
<th>IDL</th>
<th>Coll. Partner</th>
<th>ALP</th>
<th>Other</th>
<th>Stage</th>
<th>Semester</th>
<th>Phase</th>
<th>Course Code</th>
<th>Course Title</th>
<th>SCQF Cr</th>
<th>SCQF Lvl</th>
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</thead>
<tbody>
<tr>
<td>X</td>
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<td>X</td>
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<td>1</td>
<td>A</td>
<td>D31PT</td>
<td>Project Management: Theory and Practice</td>
<td>15</td>
<td>11</td>
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<td>X</td>
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<td>A</td>
<td>D31VR</td>
<td>Value and Risk Management</td>
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<td>11</td>
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<td>2</td>
<td>A</td>
<td>D31PS</td>
<td>Project Management: Strategic Issues</td>
<td>15</td>
<td>11</td>
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<td>B</td>
<td>D31PZ</td>
<td>Contracts and Procurement</td>
<td>15</td>
<td>11</td>
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<td>D31CG</td>
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<td>15</td>
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<td>2</td>
<td>B</td>
<td>D31PO</td>
<td>People and Organisation Management in the Built Environment</td>
<td>15</td>
<td>11</td>
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<td>B</td>
<td>D31RZ</td>
<td>Research Dissertation (CPMQS)</td>
<td>60</td>
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**Optional Courses**
### COMPOSITION NOTES (PG)

8 taught courses - 6 mandatory + 2 optional (plus Research Dissertation for MSc)

- Mandatory Credits: 90
- Optional Credits: 30
- Elective Credits: 0
- Dissertation Credits: 60
- Total: 180

### AWARDS, CREDITS AND CRITERIA (PG)

#### Awards, Credits and Levels

<table>
<thead>
<tr>
<th>Awards, Credits and Levels</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>
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<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>
</tbody>
</table>

#### Award Requirements

<table>
<thead>
<tr>
<th>Award Requirements</th>
<th>Total Course Passes</th>
<th>Overall Mark</th>
<th>Overall Grade</th>
<th>Basis of Overall Mark/Grade</th>
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</thead>
<tbody>
<tr>
<td>Master (Distinction)</td>
<td>8+Research 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 Research Dissertation at grade A.</td>
</tr>
<tr>
<td>Master</td>
<td>8+Research 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 Research Dissertation at minimum grade C.</td>
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<tr>
<td>Diploma (Distinction)</td>
<td>8</td>
<td>70</td>
<td>A</td>
<td>Credit Weighted Average greater than or equal 70% over 8 courses at grades A-C</td>
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<td>Diploma</td>
<td>8</td>
<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>
<td>4</td>
<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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### DURATION OF STUDY

<table>
<thead>
<tr>
<th>IN MONTHS</th>
<th>Full-time</th>
<th>Part-time</th>
</tr>
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<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>0</td>
<td>0</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 may 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.