



SCHOOL OF COMPUTING, ENGINEERING AND BUILT ENVIRONMENT

MSc International Construction Project Management

PROGRAMME SPECIFICATION

2023-2024

Programme Specification Pro-forma

1. GENERAL INFORMATION

1. Programme Title:	MSc International Construction Project Management
2. Final Award:	MSc International Construction Project Management
3. Exit Awards:	PgC International Construction Project Management PgD International Construction Project Management
4. Awarding Body:	Glasgow Caledonian University
5. Approval Date:	13 th of November 2019
6. School:	School of Computing, Engineering and Built Environment
7. Host Division:	Construction and Surveying
8. UCAS Code:	Not applicable
9. PSB Involvement:	RICS, CIOB, APM
10. Place of Delivery:	Glasgow Caledonian University and GCU London
11. Subject Benchmark Statement:	Not applicable
12. Dates of PS Preparation/Revision:	August 2019

Academic Rationale

The main deficit in construction project management education is the lack of understanding internationally for project management as a 'stand-alone' discipline. The MSc International Construction Project Management programme aims to fill this gap in understanding and provides a mix of learning accessibility and relevant expertise for businesses to develop and educate their staff. The programme has proven to be popular with international students and the intake has continued to grow in recent years. It is further anticipated that the enhanced project management skills on offer from the suite of more integrated modules will prove popular with industry as CPD. These core skills remain significant components with the professional membership criteria of the programme's accreditation bodies, namely CIOB, RICS, APM.

The programme aims to equip students and project professionals with the skills necessary to manage construction projects, both in the UK and overseas. This in turn means that both local and international students will have the opportunity to develop the abilities, frame of reference and, critically, a common understanding of the construction project management 'language' to work more effectively with international clients and organisations. The programme continues to operate in the well tried and tested format that it showcases the competencies of SCEBE to a significantly wider audience.

The MSc International Construction Project Management is targeted through its marketing on the development of distance numbers. One of its primary selling points in this respect is the fact that its distribution channel is via the GCU Learn virtual learning environment. This has been shown in the past to be a valuable selling point for our existing distance learning students and this will remain the case for the foreseeable future. Over recent years, the School has developed substantial proven expertise in the delivery of GCU Learn modules for the programme which in turn has informed and improved teaching in other programmes.

Programme Content

The modules included in the programme emphasise the construction project management skills and international perspective visualised for a graduate from the programme.

The online dissertation module is intended to give the student the skills necessary to conduct in-depth research both academically and in industry. Participation in the Dissertation Event also provides an invaluable opportunity for students to informally discuss issues of conducting research for a dissertation and to introduce them to the processes involved.

The programme has 8 core modules:

1. The Management of Safety, Health and Environment Project Risks looks at the fundamental and universal principles of sound risk management of safety, health and the environment as well as examining Safety Management Systems and the concepts of training, behavioural safety and safety culture.
2. Construction Economics and Procurement takes a macro overview of the structure of the construction sector including materials supply and relationships with the economy as a whole.
3. Construction Contracts and Dispute Management provides an in-depth understanding of contract administration in a modern international commercial environment based on the main standard form contracts. Students will examine the various methods of resolving disputes arising under construction contracts at law.
4. Sustainable Design and Construction introduces the technologies, tools, methods, processes and systems required to develop a sustainable building. The considers lifecycle thinking, management techniques and also the technological aspects.
5. Risk and Value Management examines methodologies for risk identification, analysis, acceptance and transfer are vital elements to the success of a project as well as value management techniques.
6. Construction Financial Management covers all aspects of the financial management of construction companies and projects with particular attention to capital investment decisions and cash flow management.
7. Construction Project Management has been designed to include both the process and people elements when managing complex projects.
8. Strategic Management in Construction and Property Enterprise develops insight into the strategic decision-making processes necessary for organisations to establish and meet organisational goals. It also examines the types of strategies and how they may be successfully utilised.

Patterns of Delivery

FULL-TIME

This mode serves the needs of fresh graduates from a range of relevant undergraduate programmes wishing to further their studies at advanced level, mature students undertaking a career change, and international students who wish to pursue further studies. It is envisaged that students are drawn from predominantly construction related (cognate) backgrounds, with scope for accepting non-cognate first degree holders who wish to broaden their career options into the construction arena. Full-time students would normally complete the programme in one year.

PART-TIME

This mode of study can be carried out whilst employed in the industry. All modules attached to the programme are delivered via the 'Blackboard Virtual Learning Environment' to provide a flexible learning means with contact time oriented around face to face sessions designed to embed deep learning in the students. However, the proven value of the web-based delivery mode via Blackboard in providing a flexible learning means that less formal contact time is required. In accordance with current practice, it is anticipated that student will attend 1 day per week. However, it is acknowledged that in some cases, 2 days per week would be required which may vary depending upon the modules selected. Part-time students would normally complete the programme in two and a half (2.5) years.

DISTANCE LEARNING

All of the modules forming the programme are web-enabled. This facilitates the ability for distance learners to shape their study time around the thematic elements of the delivered modules. Since web-based is the preferred mode for module delivery, full-time, part-time and distance learners all have a similar experience of the learning process. Although most of the distance learners do not wish to regularly attend the University for a variety of reasons, they are entitled to attend on a voluntary basis. Experience of the distance learning mode shows that the peripatetic nature of the construction industry around the world is leveraging an ever-increasing demand for the distance learning mode. Distance Learning students would normally complete the programme in two and a half (2.5) years.

2. EDUCATIONAL AIMS OF THE PROGRAMME

The general educational aims of the programme include the following:

- Be provided with the knowledge and skills to equip them for a career as a construction project manager within the construction industry in the UK and internationally
- Develop competence in a range of appropriate specialist areas
- Develop the critical and analytical powers of the student in relation to the analysis of differing views on emerging concepts and to enable them to evaluate these against a background of a constantly changing industry
- Gain the skills to adapt and respond positively to change
- Develop critical, analytical problem-based learning skills and the transferable skills to prepare them for employment as a project manager within construction
- Enhance the development of their communication skills
- Further develop the skills required for his/her employment
- Receive a learning experience that promotes and encourages a culture of lifelong learning students for further study in the context of his/her continuing professional development

4. PROGRAMME STRUCTURES AND REQUIREMENTS, LEVELS, MODULES, CREDITS AND AWARDS

Preamble

The structure of the programme is consistent with most other equivalent postgraduate degrees offered at GCU. The first part of the degree is comprised of taught modules set at the Masters (SHEM) level and allocated 15 credit points each and the latter part of the degree is comprised of a Masters dissertation worth 60 credit points.

Given that these criteria are followed; awards may be made as follows:

- **University Postgraduate Certificate (PgC)** in International Construction Project Management for passes in 4 taught modules. Any modules (excluding the dissertation) attached to the programme may be selected. **60 SHEM Level credits**
- **Postgraduate Diploma (PgD)** in International Construction Project Management for passes in 8 taught modules. **120 SHEM Level credits**
- **MSc in International Construction Project Management** for passes in 8 taught modules and a pass in the Dissertation module. **180 SHEM Level credits**

Masters Dissertation

Students are required to complete the 60 credit Masters Dissertation/Project module, which is based on a significant piece of individual research. The subject of the research will be an area of special interest to the student, and will be based on a proposal written by the student and submitted to the Dissertation Module Leader. The area of research chosen should be of the required subject and intellectual depth and should provide a suitable match with previous study. This may require increased technical depth or greater breadth of subject matter relating to previous projects, case studies or dissertation undertaken by the student.

Students are also strongly encouraged to attend the Dissertation event, which is held annually. Although not compulsory, it gives everyone currently enrolled on the dissertation module an opportunity to spend some time without various distractions to consider some of the bigger issues of conducting a dissertation at the Masters level. The event includes a series of presentations given by staff on research matters along with further discussions.

The Module Table

Module Code	Module Title	Module Leader	Credit Value	Trimester
MMK226320	Management of Safety, Health and Environmental Project Risks	Kenneth Lawani	15	A
MMK226174	Construction Economics and Procurement	John Lowe	15	A
MMK226175	Sustainable Design and Construction	Craig Thomson	15	A
MMK226783	Construction Contracts and Dispute Management	Gibril Nije	15	A
MMN226319	Risk and Value Management	Malawi Ngwira	15	B
MMN326178	Construction Financial Management	John Lowe	15	B
MMN226181	Construction Project Management	Nicola Callaghan	15	B
MMK226318	Strategic Management in Construction and Property Enterprises	Valentah Manase	15	B
MMK226789	Masters Dissertation	Kenneth Lawani	60	A,B,C

* Some modules may not run for a particular Trimester, or alternatively some new modules may be introduced. Guidelines on modules that will run will be provided at the beginning of each Trimester.

8. ASSESSMENT REGULATIONS

Students should expect to complete their programme of study under the Regulations that were in place at the commencement of their studies on that programme, unless proposed changes to University Regulations are advantageous to students.

The Glasgow Caledonian University Assessment Regulations which apply to this programme, dependent on year of entry can be found at: [University Assessment Regulations and Policies](#)

9. INDICATORS OF QUALITY AND STANDARDS

- MSc Programme is accredited by RICS, CIOB and APM
- Annual Module Operation and Review
- Annual Programme Analysis
- External Examiner Reports
- Industry Engagement and Feedback
- SSGC Meetings

10. INFORMATION ABOUT THE PROGRAMME

Key information about the programme can be found in:

- Definitive Programme Document
- Programme Handbook
- Module Handbook
- University Website <http://www.gcu.ac.uk>
- School Website
- GCULearn
- My Caledonian
- University Prospectus

This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning assessment methods of each module can be found in the University Module catalogue which can be accessed from the University website. The accuracy of the information in this document is reviewed by the University and may be checked by the Quality Assurance Agency for Higher Education.

A curriculum map is attached showing how the outcomes are being developed and assessed within the programme. This relates the modules from Section 4 to the outcomes in Section 3.

May 2023

Appendix 1 - Curriculum Map for MSc International Construction Project Management

The curriculum map links the modules (Section 4) to the Outcomes listed in Section 3

This map provides both a design aid to help academic staff identify where the programme outcomes are being developed and assessed within the course. It also provides a checklist for quality assurance purposes and could be used in approval, accreditation and external examining processes. This also helps students monitor their own learning, and their personal and professional development as the course progresses. The map shows only the main measurable learning outcomes which are assessed. There are additional learning outcomes (e.g. attitudes and behaviour) detailed in the module specifications which are developed but do not lend themselves to direct measurement

Code	Title	A 1	A 2	A 3	A 4	A 5	A 6	B 1	B 2	B 3	B 4	B 5	B 6	C 1	C 2	C 3	C 4	C 5	C 6	D 1	D 2	D 3	D 4	D 5	D 6	E 1	E 2	E 3	E 4	E 5	E 6	
MMK226320	The Management of Health, Safety & Environmental Project Risks			X	X	X			X		X	X	X		X		X	X			X	X	X	X	X	X	X	X	X	X	X	
MMK226174	Construction Economics and Procurement	X	X	X	X	X		X	X	X	X			X	X	X	X	X	X		X	X	X	X	X	X	X		X	X		
MMK226175	Sustainable Design and Construction	X	X		X	X		X		X		X	X	X	X	X		X		X	X	X		X	X	X				X		
MMK226783	Construction Contracts and Dispute Management			X	X			X							X	X		X	X		X	X	X	X	X	X	X		X	X		
MMN226319	Risk and Value Management	X	X	X	X	X		X	X	X	X			X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	
MMN326178	Construction Financial Management	X	X	X	X	X		X	X	X	X			X	X	X	X	X	X		X	X	X		X	X	X		X	X		
MMN226181	Construction Project Management	X	X	X	X	X		X	X	X	X			X	X	X	X	X	X		X	X	X		X	X	X		X	X		
MMK226318	Strategic Management in Construction and Property	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X		
MMK226789	Masters' Dissertation	X	X				X	X						X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	

APPENDIX 2 - ASSESSMENT LOADING MATRIX

SHE Level 11 – Masters									
Module Code	Module Title	Trimester	Credits	Assessment Weighting					
				Cw	Cw	Cw	Exam1 (Exams Office)	Ex2 (Exams Office)	Ex3 (Class Test)
MMK226320	Management Safety Health and Environment	A	15	80	20				
MMK226174	Construction Economics and Procurement	A	15	40	60				
MMK226175	Sustainable Design and Construction	A	15	70	30				
MMK226783	Construction Contracts and Dispute Management	A	15	30	70				
MMN226319	Risk and Value Management	B	15	50	50				
MMN326178	Construction Financial Management	B	15	70	30				
MMN226181	Construction Project Management	B	15	50	50				
MMK226318	Strategic Management in Construction and Property Enterprises	B	15	40	60				
MMK226789	Masters Dissertation	A, B, C	60	100					
EXIT AWARD: MSc International Construction Project Management									