



SCHOOL OF COMPUTING ENGINEERING AND BUILT ENVIRONMENT

BSc (Hons) Construction Management

Programme Specification

Session 2020-21

Programme Specification

1. GENERAL INFORMATION

1. Programme Title:	BSc(Hons) Construction Management
2. Final Award:	BSc(Hons) Construction Management
3. Exit Awards:	BSc Construction Management (Level 3); University Diploma Construction Management (L2) University Certificate Construction Management (L1)
4. Awarding Body:	Glasgow Caledonian University
5. Approval Date:	May 2002
6. Faculty/School:	Computing Engineering and Built Environment
7. Host Division:	Construction Management and Economics
8. UCAS Code:	K251, K220 (GCU pathways)
9. PSB Involvement:	The Chartered Institute of Building (CIOB) The Royal Institution of Chartered Surveyors-RICS Chartered Institute of Building Engineers (CABE)
10. Place of Delivery:	Glasgow Caledonian University
11. Subject Benchmark Statement:	Building and Surveying
12. Dates of PS Preparation/Revision:	May 2002 approval. Last revision May 2020

2. EDUCATIONAL AIMS OF THE PROGRAMME

- To provide students with a high quality undergraduate degree programme comprising a sound theoretical knowledge base pertinent to their field encompassing core skills which are underpinned by technology and managerial expertise
- To deliver a demanding programme which equips students with sound knowledge, comprehension and skills competency essential in the field of construction management.
- To provide education which is accredited by the relevant professional bodies; The Chartered Institute of Building and the Royal Institution of Chartered Surveyors
- To provide students with the necessary academic knowledge and professional ability to equip them for a challenging career in construction, project, and facilities management in the national and international construction industry
- To enable students to develop intellectual strengths and creative powers which are flexible and adaptable to the rapidly changing demands of the construction industry
- To enable students to develop and maintain personal transferable skills
- To enable students to develop good judgement and innovative thinking processes by the use of logical analysis, evaluation and synthesis techniques
- To introduce students to research methods and a learning experience which promotes and encourages a culture of lifelong learning throughout their career

Learning and teaching strategies will be developed and implemented, appropriate to students' needs, to enable all students to participate fully in the programme.

At each level of the programme:

Level 1

Foundation for study of the discipline, establishment of the "ground rules". Outline knowledge of the

scope and main areas of the discipline, an understanding of the main theories, principles and concepts.

Students will be able to:

- use their knowledge of the subject and its techniques to evaluate a range of arguments and solutions to problems and issues of a routine nature.
- apply their discipline related and transferable skills in contexts which have well defined criteria.
- undertake further learning in a structured and managed environment.

Level 2

Coverage of the core areas of the discipline in preparation for professional placement. A knowledge and understanding of the scope and main areas of the discipline and its interaction with related areas/disciplines, familiarity and understanding of the essential theories, concepts and awareness of major issues within the discipline.

Students will be able to use their knowledge, understanding and skills to:

- critically evaluate evidence-based arguments and identify solutions to clearly defined problems of a routine nature.
- apply their discipline related and transferable skills in contexts where the task and criteria for decisions are generally well defined but where responsibility and initiative is required.

Level 3

Introduction to key specialist areas of the discipline. A broad and comparative knowledge of the general scope of the different areas and applications, and interactions with related areas/disciplines. Critical understanding of the essential theories, principles and concepts of the discipline, and the ways in which these are developed.

Students will be able to use their knowledge, understanding and skills to:

- both identify problems and issues and formulate, evaluate and apply evidence and arguments.
- apply their discipline and transferable skills to contexts where criteria and the scope of the task may be well defined but where personal responsibility and decision making is also required.

Level 4

Further extend knowledge of the specialist areas of the discipline. A systematic, extensive and comparative knowledge and understanding of the discipline, and its links to related areas/disciplines. A critical understanding of the established theories, principles and concepts of a number of advanced and emerging issues at the forefront of the discipline.

Students will be able to use their knowledge, understanding and skills:

- in the systematic assessment of a wide range of concepts, ideas and data.
- in identifying and analysing complex problems and issues, demonstrating originality and creativity in formulating, evaluating and applying evidence-based solutions and arguments.
- to apply their discipline related and transferable skills in contexts where there is a requirement for:
 - the exercise of personal responsibility and initiative;
 - decision-making in complex and unpredictable contexts;
 - the ability to undertake further developments of a professional nature.

3. INTENDED LEARNING OUTCOMES –:

Development of the programme has been informed by the teaching, learning and assessment Strategies of the University and of the School of Engineering and Built Environment.

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills, qualities and other attributes in the following areas. The are developed in relation to the Construction Management discipline:

3A Knowledge and Understanding

A1 Explain how buildings are put together and demonstrate an awareness of the principles of design

- A2 Develop an in-depth knowledge of measurement, contract law, health and safety law, financial and managerial techniques including computerised project planning
- A3 Demonstrate a commercial awareness of the construction and property markets
- A4 Assess client and project requirements and provide appropriate advice regarding procurement, safety, health and environment, quality, cost and management issues including the management and motivation of human resources
- A5 Develop cost management and procurement expertise issues including private finance initiatives
- A6 Demonstrate appropriate levels of knowledge and understanding in a variety of related construction and property topics

Teaching, learning and assessment methods used to enable outcomes to be achieved and demonstrated:

Lectures; cohort-specific tutorials, workshops and seminars; group and individual activities; student-centred learning; group-based and individual-centred practical projects; directed study; role play; case studies; coursework assignments; formal unseen written examinations; class tests.

The Dissertation at Level 4 provides an opportunity for students to develop their research methodology skills and interest in a particular area by sourcing of information and data collection.

Assessment:

Coursework assignments, including case studies, time-constrained class tests, presentations, peer assessment, online tests and group work.

Unseen written examinations

Dissertation at Level 4

3B Intellectual Skills:

- B1 Exhibit strategic logical rational and resourceful thinking in the approach to problem-solving activities
- B2 Plan, research and execute tasks effectively
- B3 Exercise personal and professional integrity and sound independent judgement
- B4 Show initiative and flexibility in the application of surveying principles and techniques
- B5 Demonstrate efficient professional judgement underpinned and informed by technical ability
- B6 Evaluate research material from a variety of sources and critically appraise and evaluate results

Teaching, learning and assessment methods used to enable outcomes to be achieved and demonstrated:

Lectures; cohort-specific tutorials, workshops and seminars; group and individual activities; student-centred learning; group-based and individual-centred practical projects; directed study; case studies; coursework assignments; formal unseen written examinations; class tests.

The Dissertation at Level 4, supported by the research literature and GCU learn, provides an opportunity for students to develop their intellectual skills in a particular area, namely research skills, sourcing of information, critical appraisal and analysis, data collection and conclusion writing.

Assessment:

Coursework assignments, including case studies and live project analysis, time-constrained class tests, presentations, online tests and group work

Unseen written examinations

The intellectual skills are tested during the six-month placement period (student to provide placement)

The Dissertation at Level 4 provides an opportunity for students to develop their interest in a particular area which requires implementation of research methodology skills to a greater degree: sourcing of information, critical appraisal and analysis, data collection and conclusions.

3C Professional/ Practical Skills

C1 Apply theoretical learning to practical and discipline-orientated tasks

C2 Practically apply the concepts, skills and knowledge of core subject areas in the discipline

C3 Demonstrate effective use of knowledge and techniques in the discipline area

C4 Apply appropriate professional and transferable skills within a professional environment

C5 Demonstrate effectiveness as a team member within a professional context within and outwith

Glasgow Caledonian University

C6 Exercise personal and professional integrity

Teaching and learning methods used to enable outcomes to be achieved and demonstrated:-

Tutorials, workshops and seminars which include: role play and case studies activities, student-centred learning and Coursework activities which include both individual and group work activities.

The 'Professional Placement Learning' assessments at Level 3 encourage the development of the CIOB professional competencies and to provide appropriate solutions to problems they encounter during their work experience. Each student is allocated to a tutor drawn from staff from the School who visit the work site or office and provides personal support as required.

A similar assessment regime is set for the upper part-time cohorts who are required to progressively address the CIOB competencies and CPD evaluations.

Assessment:-

Unseen written examinations, coursework assignments, role play and presentations

Professional placement submissions, including tutor and employer reports at Level 2/3

Commercial Management submission, including written reports, and team presentations to staff at Level 4

Dissertation at Level 4

3D Transferable/Key Skills:-

D1 Critical thinking and problem solving

D2 Cognitive/intellectual skills

D3 Knowledge and understanding in the context of the subject

D4 Key life skills

D5 Learning style and orientation to learning

D6 Time management (organising and planning work)

D7 Independent working

D8 Planning, monitoring, reviewing and evaluating own learning and development

D9 Self-marketing marketing/presentation skills

D10 Information retrieval skills

D11 Utilising labour market information

D12 Group working

D13 IT Skills (including GCU Certificate in basic ICT Competency)

D14 Communication skills, written, oral and listening

Teaching and learning methods used to enable outcomes to be achieved and demonstrated:-

Transferable/keys skills are generally incorporated within modules and related to relevant assessments as appropriate. Examples of strategies include:

Student-centred study via workbooks and learning packages

Presentation of information: written, oral and graphic

Use of IT in presentation of work: formats as detailed above

Group-based activities such as Level 1 project for Property Economics

Professional Placement Learning evaluations in Semester A of Level 3

Construction and Commercial project management presentations at Level 4

Dissertation at Level 4

Assessment:

Coursework assignments

Unseen written examinations

Professional placement: submission of student reports, together with employer and tutor reports
(Level 3)

Dissertation (Level 4)

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

The full-time programme follows the standard Glasgow Caledonian University model, with a total of 6 modules included at each level of the programme. Modules are 20 credits (representing 200 notional hours).

Average contact is as follows: 15-18 hours Levels 1 & 2; max 15 hours Level 3; max 12 hours Level 4
Students are on professional placement for a maximum of 7 months between the end of Level 2 and the beginning of Semester B of Level 3.

Year	Module Code	MODULE TITLE	Credit Points	Trimester		Assessment			
						Exam %	c/w %	exam time	CA
1	M1K221945	Construction Technology 1	20	A	B	-	-	-	100
	M1K224313	Property Economics	20	A	-	-	-	-	100
	M1K203077	Professional Orientation & Practice (POP)	20	A	B	-	-	-	100
	M1K221884	Construction Materials	20	A	B	-	-	-	100
	M1K222229	Construction Contracts 1	20	-	B	100	-	2	-
	M1K221873	Measurement 1	20	A	B	-	-	-	100
		<i>Credit points</i>	120						
2	M2K220795	Construction Technology 2	20	A	-	50	50	2	-
	M2N220730	Construction Process Management 1	20	A	B	-	-	-	100
	M2K225247	Construction Cost Studies	20	A	-	-	-	-	100
	M2K223202	Principles of Building Performance	20	-	B	60	40	2	-
	M2K221315	Construction Contracts 2	20	-	B	60	40	2	-
	M2K221185	Design and Regulation 1	20	A	B				100
	M2K224016	C&S Preparation for Placement	10	A	B				100
			<i>Credit points</i>	130					
3	M3K224022	Professional Placement Learning or	60	A	-	-	-	-	100
DE	M2K220795	Construction Technology 2	20	A	-	50	50	2	-
DE/	M3K221186	Design and Regulation 2	20	A	-	-	-	-	100
DE/	M3K203058	Intermediate Cost Studies	20	A	-	50	50	3	-
NP	M3K220211	Managed Project Learning	20	A	-	-	-	-	100
	M3K220824	Construction Technology 3	20	-	B	60	40	3	-
	M3K202955	Construction Process Management 2	20	-	B	70	30	3	
	M3K224769	Estimating	20	-	B				100
		<i>Credit points</i>	120						
4	MHK221198	Dissertation	40	A	B	-	-	-	100
	MHN220816	Project Management	20	A		-	-	-	100
	MHK226545	Sustainability and the Built Environment	20	-	B	50	50	2	-
	MHK223993	Building Information Modelling	20	Ao		-	-	-	100
	MHN222313	Facilities Management	20	Ao	-	70	30	3	-
	MHK222243	Construction Contracts 3	20	Ao	-	60	40	2	-
	MHK222010	Dispute Resolution	20	-	Bo	-	-	-	100
	MHK220957	Construction & Project Commercial Management	20	-	Bo	-	-	-	100
	MHK221878	Negotiation	20		Bo	40	60	3	
			<i>Credit points</i>	120					
		TOTAL CREDIT POINTS	490						

DE/NP Direct Entry HND COLLEGE students/Students who do not obtain professional placement

Shaded areas in level 4 represent module options; students choose one option for each trimester

The Part-time follows a very similar model to the full-time programme while recognising the value of the work place as a learning environment, with between 80 and 120 credits available at each level of the programme. All modules are 20 credit modules (representing 200 notional hours) apart from the dissertation which is 40 credits.

Average contact is between 6 and 8 hours per day, one day (plus an evening) per week.

Year	Module Code	MODULE TITLE	Credit Points	Trimester		Assessment			
						Exam %	c/w %	exam time	CA
1	M1K221945	Construction Technology 1	20	A	B	-	-	-	100
	M1K203077	Professional Orientation & Practice (POP)	20	A	B	-	-	-	100
	M1K224313	Property Economics	20	A	-	-	-	-	100
	M1K222229	Construction Contracts 1	20	-	B	100	-	2	-
			<i>Credit points</i>	80					
2	M2K220795	Construction Technology 2	20	A	-	50	50	2	-
	M1K221884	Construction Materials	20	A	B	-	-	-	100
	M2K221315	Construction Contracts 2	20	-	B	60	40	2	-
	M1K221873	Measurement 1	20	A	B	-	-	-	100
			<i>Credit points</i>	80					
3	M2N220730	Construction Process Management 1	20	A	B	-	-	-	100
	M2K225247	Construction Cost Studies	20	A	-	-	-	-	100
	M2K221185	Design and Regulation 1	20	A	B			-	100
	M2K223202	Principles of Building Performance	20	-	B	60	40	2	-
	M2K226568	Work Based Learning 1	20	A	B	-	-	-	100
		<i>Credit points</i>	100						
4	M3K224769	Estimating	20	A	-	-	-	-	100
	M3K202955	Construction Process Management 2	20	-	B	70	30	3	-
	M3K220824	Construction Technology 3	20	-	B	60	40	3	-
	MHK226545	Sustainability and the Built Environment	20	A	-	50	50	2	-
	MHK224776	Work Based Learning 2	20	A	B	-	-	-	100
		<i>Credit points</i>	100						
5	MHK221198	Dissertation	40	A	B	-	-	-	100
	MHN220816	Project Management	20	A	-	-	-	-	100
	MHK223993	Building Information Modelling	20	Ao		-	-	-	100
	MHN222313	Facilities Management or	20	Ao	-	70	30	3	-
	MHK222243	Construction Contracts 3	20	Ao	-	60	40	2	-
	MHK222010	Dispute Resolution or	20	-	Bo	-	-	-	100
	MHK220957	Construction & Project Commercial Management or	20	-	Bo	-	-	-	100
	MHK221878	Negotiation	20	-	Bo	40	60	3	
	MHK224777	Work Based Learning 3	20	A	B	-	-	-	100
		<i>Credit points</i>	120						
		TOTAL CREDIT POINTS	480						

5. SUPPORT FOR STUDENTS AND THEIR LEARNING

a) Within SEBE:

- Induction programme
- Student handbook (discipline specific)
- Contact reference sheet
- Module handbooks which include coursework guidelines, briefs and assessment criteria
- Honours level dissertation handbook
- Honours level option module catalogue and handbook, including pro-forma for selection
- Programme team meetings
- Academic advisors (one per cohort)
- Dedicated pc labs
- Dedicated construction/property resources room
- Open access to SEBE staff: module leaders, teaching teams, programme team, academic advisors and programme organiser
- Student representation on Programme Board (PB)
- Student Staff Consultative Group (SSCG)
- Personal development file

b) Within GCU:

- Open access to GCU computer facilities
- Level 1 ICT Skills programme
- GCU Effective Learning Centre and SEBE LDC
- Saltire Centre facilities including Careers advice

c) Other

- Professional Placement Learning: handbook, seminar, Student Services support, visits by tutor, employer report and feedback
- Professional Bodies: The Chartered Institute of Building, the Royal Institution of Chartered Surveyors and the Chartered Association of Building Engineers

6. CRITERIA FOR ADMISSION

Candidates must be able to satisfy the general admissions requirements of Glasgow Caledonian University in one of the following ways:

Level 1 entry:

285 UCAS points from a minimum of 4 Higher grades at level C or above.

Maths and English preferred at Higher level.

Maths is essential at Standard grade or equivalent.

Direct Entry: (please note the additional information below for pathway entry)

Completion of an HNC and HND in Construction Management, provides advanced entry to the programme as follows:

Graded unit B in HND, entry level 3

Graded Unit B in HNC entry level 2

Completion of an HND in another related discipline e.g. Civil Engineering, Architectural Technology, building inspection, conservation with the relevant graded units (B and above) may be admitted to level 2/3 after successful mapping of the articulation programme.

Mature and overseas students:

Formal entry requirements may be relaxed for mature applicants (21 years of age and over) whose record of educational achievement and relevant professional experience is deemed appropriate. Non-standard entrants will normally be interviewed to assess their suitability for the programme. Overseas students will require to demonstrate an appropriate level of competence in written and spoken English.

Additional requirements:

None

GCU Pathways (K220) Programme Admission Requirements:

The minimum entry requirements are:

SQA Higher: BB or equivalent.

GCU Pathways students enrol at Glasgow Caledonian University. Over the first one or two years, students study either

- an HNC Construction Management at Glasgow Clyde College in preparation for transfer to the BSc Construction Management programme at Level 2
- an HND Construction Management at City of Glasgow College in preparation for transfer to the BSc Construction Management programme at Level 3

Please Note: GCU Pathways levels 1 and 2 are delivered at Glasgow Clyde College or City of Glasgow College. Further information on the GCU Pathways Levels One and Two can be accessed from [Glasgow Clyde College](#) or [City of Glasgow College](#).

Transfer:

Students who successfully complete either

- a 15 credit HNC Construction Management with a Graded Unit of B, may transfer to Level 2 of the BSc (Hons) Construction Management programme.
- an HND Construction Management with a Graded Units BB, may transfer to Level 3 of the BSc (Hons) Construction Management programme.

7. METHODS FOR EVALUATING AND IMPROVING THE QUALITY AND STANDARDS OF TEACHING AND LEARNING**Mechanisms for review and evaluation of teaching, learning, assessment, the curriculum and outcome standards:**

- Annual module feedback monitoring and review
- Programme team meetings
- Programme Board
- Student Staff Consultative Group
- Annual Programme Analysis
- Programme Management Group
- School Quality Advisory Committee
- External assessors' reports
- School Management Group
- School Board
- Professional Body Accreditation (The Chartered Institute of Building (CIOB), which was last reviewed in 2019 (School granted full Accredited Centre Status) and the Royal Institution of Chartered Surveyors under the annual partnership agreement.

Committees with responsibility for monitoring and evaluating quality and standards:

- Student Staff Consultative Group
- Programme Board
- School Board
- School Quality Advisory Committee
- University Quality Office

- Assessment Boards

Mechanisms for gaining student feedback on the quality of teaching and their learning experience:

- Student Staff Consultative Group
- Student representation on Programme Board
- Module feedback and monitoring process
- Open-door policy across the School
- Access to module leaders, teaching teams, academic advisors, programme organiser

Staff development priorities include:

- TLTM
- CPD (discipline-based to meet requirements of professional body)
- Peer support for teaching
- Mentoring
- ILT/HEA membership
- CIOB membership
- Research methods and supervision training (dissertations)

8. ASSESSMENT REGULATIONS

Assessment rules:

These are as detailed in the current University Assessment Regulations. There are no deviations from the University Assessment Regulations, details of which are provided within the Student Handbook and are available on the University and School web pages.

Minimum pass 40% for each module.

360 credits required for unclassified degree, including completion of all programme requirements

480 credits required for honours degree, including completion of all programme requirements

Summary of classification of marks:

The honours classification will be determined by the student's performance in the final year (Level 4 / Year 5) (Honours) modules and will be based on the overall average achieved across all modules. Where the overall average falls on the threshold between two classifications, the student's profile of achievement will also be considered, in accordance with the University Assessment Regulations.

1 st class	70-100%	Excellent
2.1	60-69%	Very good
2.2	50-59%	Good
3 rd class	40-49%	Satisfactory

Distinction and merit are awarded at Level 3 where all 6 modules have been successfully completed at first attempt, where the overall average is 70% or above, and no module average is below 55%

For the awards of Certificate of Higher Education, Diploma of Higher Education, BSc Quantity Surveying and BSc (Hons) Construction Management

- Minimum pass mark of 40% for each taught module
- Minimum pass mark of 40% for Dissertation/Honours Project module
- To qualify for an award of Certificate of Higher Education, students must complete all the programme requirements and obtain 120 SHE credits, of which a minimum of 90 must be SHE1
- To qualify for an award of Diploma of Higher Education, students must complete all the programme requirements and obtain 240 SHE credits, of which a minimum of 90 must be SHE2
- To qualify for an award of BSc in Quantity Surveying, students must complete all the programme requirements and obtain 360 SHE credits, of which a minimum of 90 must be SHE3

- To qualify for an award of BSc (Hons) in Quantity Surveying, students must complete all the programme requirements and obtain 480 SHE credits, of which a minimum of 90 must be SHEH

The honours classification will be determined by the student's performance in the final year (Level 4 / Year 5) (Honours) modules and will be based on the overall average achieved across all modules. Where the overall average falls on the threshold between two classifications, the student's profile of achievement will also be considered, in accordance with the University Assessment Regulations. In the Honours award calculation for the part-time route in Year 5, the module 'sustainability and the built environment' (undertaken in level four part time) will be carried forward and counted in the degree classification.

Role of external assessor:

Appointed to the Construction Management Assessment Board (AB). Two external assessors are appointed to the programme, one from practice and one from another higher education institution which offers programmes in the discipline. They are charged with:

- Moderation of work of internal assessors for those assessments which fall within AB remit
- Attend AB as appropriate
- Ratify work and decisions of Boards in accordance with policies and regulations of GCU, and represent best practice
- Ensure students are assessed in accordance with the University and School Assessment Regulations
- Report annually to the School
- Report periodically to professional body, The Chartered Institute of Building (Accreditation Board) the RICS and CABE

9. INDICATORS OF QUALITY AND STANDARDS

- Continued approval by Quality Office
- Continued accreditation by professional bodies: The Chartered Institute of Building (CIOB), the Royal Institution of Chartered Surveyors and CABE
- Annual Programme Analysis (APA)
- QAA subject review
- External assessors' reports
- University internal audit procedures

10. INFORMATION ABOUT THE PROGRAMME

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 Programme Handbook for Students and the School web pages. 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.

Key information about the programme can be found in:

- Programme Specification
- Programme Handbook for Students
- University website
- School website
- University Prospectus
- CIOB Handbook and Programme Prospectus
- Module catalogue
- School publications

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.

DATE OF CURRICULUM MAP REVISION: **May 2020**

Curriculum Map for BSc (Hons) Construction Management

PSMAP

Modules

Programme outcomes

	Code	Title	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14		
LEVEL 1	M1K221873	Measurement 1	X	X							X	X			X	X	X			X	X	X	X			X	X					X	X	X		
	M1K203077	Professional Orientation & Practice			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	X	X	
	M1K221945	Construction Technology 1	X						X	X	X	X		X		X	X																			
	M1K224313	Property Economics		X	X			X	X						X						X	X	X	X					X		X					
	M1K222229	Construction Contracts 1							X	X																										
	M1K221884	Construction Materials			X	X	X			X				X		X		X	X																	
LEVEL 2	M2K225247	Construction Cost Studies		X	X	X	X		X	X	X	X	X		X	X	X	X			X		X						X					X	X	
	M2K220795	Construction Technology 2	X						X	X	X		X						X	X														X	X	
	M2K221315	Construction Contracts 2		X	X	X	X		X	X	X		X		X	X	X			X	X	X	X			X	X			X		X	X	X	X	
	M2K221185	Design and Regulation 1	X			X			X			X			X	X					X		X			X	X	X		X				X	X	
	M2K224016	Preparation for Placement						X			X						X	X	X	X				X			X						X	X		
	M2K223202	Principles of Building Performance	X	X	X	X		X	X			X	X		X	X	X	X			X	X	X	X			X	X	X		X		X	X	X	
LEVEL 3	M2N220730	Construction Process Mgt 1			X			X	X	X	X		X							X	X	X	X			X	X						X	X		
	M2K226568	Work Based Learning 1	X	X					X				X		X	X	X	X	X			X			X	X	X	X	X	X			X	X		
	M3K224022	Professional Placement Learning	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	X	X	X	X	X	X	
	M3K224022	Design and Regulation 2	X				X			X		X		X							X	X	X	X				X	X		X			X		
	M3K202955	Construction Process Mgt 2			X			X	X	X	X		X								X	X	X	X			X	X								
	M3K220211	Managed Project Learning	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	X	X	X	X	X	X	X	X
LEVEL 4	M3K2203058	Intermediate Cost Studies	X	X	X		X		X	X	X				X	X	X			X	X	X	X			X	X							X	X	
	M3K220824	Construction Technology 3	X							X	X		X			X	X	X			X	X	X			X	X			X		X	X	X	X	
	M3N224769	Estimating		X	X	X	X	X		X		X			X	X		X	X			X				X	X	X		X	X				X	
	M3K224776	Work Based Learning 2	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	X	X	X	X	X	X	X
	GCU Learn	Research Methods & Methodology						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	X
	MHK221198	Dissertation						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	X
LEVEL 4	MHK226545	Sustainability & the Built Environment	X					X	X					X	X	X	X			X	X		X				X	X							X	
	MHN220816	Project Management			X			X	X	X	X		X							X	X	X	X			X	X							X	X	
	MHK223993	BIM	X					X	X	X					X	X	X		X	X	X	X								X	X	X	X	X	X	X
	MHN222313	Facilities Management						X	X	X	X		X			X	X	X			X	X	X			X	X								X	X
	MHK222010	Dispute Resolution		X				X	X	X	X	X	X	X	X	X	X	X			X															
	MHK220957	Commercial Management			X	X	X			X				X	X	X						X							X							X
	MHK221878	Negotiation		X				X	X	X	X	X	X	X	X	X	X	X			X															
M3K224777	Work Based Learning 3	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	X	X	X	X	X	X	X	

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

Explanation. This map provides both a design aid to help academic staff identify where the programme outcomes are being developed and assessed within the programme. It also provides a check list for quality assurance purposes and could be used in approval, accreditation and external examining processes. In this way also helps students monitor their own learning, personal and professional development as the programme progresses. The map shows only the main measurable learning outcomes. There are many more outcomes detailed in the module specifications and outcomes (eg attitudes and behaviour) that are not assessed.

CONSTRUCTION MANAGEMENT - INTENDED LEARNING OUTCOMES

Knowledge and understanding

- A1 Explain how buildings are put together and demonstrate an awareness of the principles of design
- A2 Develop an in-depth knowledge of measurement, contract law, H&S Law, financial and managerial techniques including computerised project planning
- A3 Demonstrate a commercial awareness of the construction and property markets
- A4 Assess client and project requirements and provide appropriate advice regarding procurement, SHE (safety, health, environment), quality, cost and management issues including the management and motivation of human resources
- A5 Develop cost management and procurement expertise issues including private finance initiatives
- A6 Demonstrate appropriate levels of knowledge and understanding in a variety of related construction and property topics

Intellectual skills

- B1 Exhibit strategic, logical, rational and resourceful thinking in the approach to problem-solving activities
- B2 Plan, research and execute tasks effectively
- B3 Exercise personal and professional integrity and sound independent judgement
- B4 Show initiative and flexibility in the application of surveying principles and techniques
- B5 Demonstrate efficient professional judgement underpinned and informed by technical ability
- B6 Evaluate research material from a variety of sources and critically appraise and evaluate results

Professional practical skills

- C1 Apply theoretical learning to practical and discipline-orientated tasks
- C2 Practically apply the concepts, skills and knowledge of core subject areas in the discipline
- C3 Demonstrate effective use of knowledge and techniques in the discipline area
- C4 Apply appropriate professional and transferable skills within a professional environment
- C5 Demonstrate effectiveness as a team member within a professional context within and outwith Glasgow Caledonian University
- C6 Exercise personal and professional integrity

Transferable/ key skills

- D1 Critical thinking and problem solving
- D2 Cognitive/intellectual skills
- D3 Knowledge and understanding in the context of the subject
- D4 Key life skills
- D5 Learning style and orientation to learning
- D6 Time management (organising and planning work)
- D7 Independent working
- D8 Planning, monitoring, reviewing and evaluating own learning and development
- D9 Self-marketing marketing/presentation skills
- D10 Information retrieval skills
- D11 Utilising labour market information
- D12 Group working
- D13 IT Skills (including GCU Certificate in Basic ICT Competency)
- D14 Communication skills, written, oral and listening

ASSESSMENT MATRIX: UNDERGRADUATE FULL-TIME 19/20
BSc/BSc(Hons) Construction Management

SHE Level 1											
Module Code/ Trimester	Module Title	Credits	Summary of Assessment	Assessment Weighting							Submission date
				Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)	Ex2 (Div)	
M1K221945 Trimester A & B	Construction Technology 1.	20	Construction Coursework	30							
			Class Test						35		
			Class Test								35
M1K224313 Trimester A	Property Economics	20	Online Objectives Test 1	25							
			Online Objectives Test 2		25						
			Online Objectives Test 3			25					
			Online Objectives Test 4				25				
M1K203077 Trimester A & B	Professional Orientation & Practice (POP)	20	Class Test Activities							100	
M1K221884 Trimester A & B	Construction Materials	20									
			Class Test Activities							100	
M1K222229 Trimester B	Construction Contracts 1	20	Formal Examination (exams office) Multiple Choice Questions on Legal Systems & Obligations (worth 40%) plus Two previously seen essay questions from four (worth 60%)						100		
M1K221873 Trimester A & B	Measurement 1	20	Measurement exercise related to work contained with syllabus	30							
			Measurement exercise related to work contained with syllabus		30						
			Class Test							40	
EXIT AWARD: Certificate of Higher Education Construction Management											

SHE Level 2												
Module Code/ Trimester	Module Title	Credits	Summary of Assessment	Assessment Weighting						Submission date		
				Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)		Ex2 (Div)	
M2K220795 Trimester A	Construction Technology 2	20	Project (construction)	30							[insert week]	
			Project (Services)		20						[insert week]	
			Unseen written examination					50				
M2N220730 Trimester A & B	Construction Process Management 1	20	Online Test	50							6/12	
			Online Test		25						6	
			Online Test			25					12	
M2K225247 Trimester A	Construction Cost Studies	20	Investigate Essay: Pre-contract cost activities	40								
			GCU Learn test: Procurement methods		20							
			Investigate Essay: Post contract cost activities			40						
M2K223202 Trimester B	Principles of Building Performance	20	Building performance coursework	30							8	
			Presentation		10						10	
			Formal Exam						60		14	
M2K221315 Trimester B	Construction Contracts 2	20	Essay	30							6	
			Unseen written examination					70			14	
M2K221185 Trimester A & B	Design and Regulation 1	20	Coursework - townscape	30							6	
			Sketching and Annotation		20						12	
			Measured survey and design proposal			50					12	
M2K224016 Trimester A & B	C&S Preparation for Placement	10	CV Preparation and covering letter	30							4	
			Employment Strategy Essay		30						8	
			Open Book Test						40		12	
EXIT AWARD: Diploma of Higher Education Construction Management												

SHE Level 3											
Module Code/ Trimester	Module Title	Credits	Summary of Assessment	Assessment Weighting						Submission date	
				Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)		Ex2 (Div)
M3K224022 Trimester A	Professional Placement Learning	60	Completion of Diary and Logbook	15							Tri A wk 12
			Case Study (2500 words)		35						End Tri. C
			Resume of PD summary (2500 words)			35					End Tri. C
			Employment Assessment				15				End Tri. C
Students who do not obtain Professional Placement											
M3K221186 Trimester A	Design & Regulation 2	20	Regulatory Compliance Report 1	20							6
			Regulatory Compliance Report 2		40						10
			Energy Performance/Sustainability Report			40					14
M3K203058 Trimester A	Intermediate Cost Studies	20	Design Economics: Written Assignment	25							8
			Exam (four from eight)		50						14
			Class test			25					11
M3K220211 Trimester A	Managed Project Learning	20	Discipline specific portfolio submission	100							13
Direct Entry Students											
M3K221186 Trimester A	Design & Regulation 2	20	Regulatory Compliance Report 1	20							6
			Regulatory Compliance Report 2		40						10
			Energy Performance/Sustainability Report			40					14
M3K203058 Trimester A	Intermediate Cost Studies	20	Design Economics: Written Assignment	25							8
			Exam (four from eight)		50						14
			Class test			25					11
M2K220795 Trimester A	Construction Technology 2	20	Project (construction)	30							8
			Project (Services)		20						10
			Unseen written examination					50			14

Continued on next page

All Students (Trimester B)											
Module Code/ Trimester	Module Title	Credits	Summary of Assessment	Assessment Weighting							Submission date
				Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)	Ex2 (Div)	
M3K220824 Trimester B	Construction Technology 3	20	Coursework 1 – group report (written)	40							
			Unseen written examination, 5 questions from 9					60			14
M3k202955 Trimester B	Construction Process Management 2	20	Individual coursework on process	30							9
			Formal Exam (5 form 8)					70			14
M3K224769 Trimester B	Estimating	20	Individual Assignment	30							7
			Group Assignment		40						12
			Class test						30		13
EXIT AWARD: Scottish Bachelors Degree in Construction Management											

SHE Level H											
Module Code/ Trimester	Module Title	Credits	Summary of Assessment	Assessment Weighting						Submission date	
				Cw1	Cw2	Cw3	Exam (Final)	Ex1 (Div)	Ex2 (Div)		
MHK221198 Trimester A & B	Dissertation	40	Initial Submission	5						Week 12 (previous year)	
			Interim Report		15					12 (Tri A)	
			Bound Dissertation – 10000 words			80					12 (Tri B)
MHN220816 Trimester A	Project Management	20	Produce project report and computer aided project plan	100						12	
MHK226545 Trimester B	Sustainability and the Built Environment	20	Coursework 1 Assignment on Facilities Management	50						8	
			Formal exam				50				14
Plus ONE OPTION											
MHK222243 Trimester A	Contract Contracts 3	20	Coursework 1. Report.	40							
			Unseen examination (exams office)				60				
MHN222313 Trimester A	Facilities Management	20	Coursework 1 Assignment on Facilities Management	30						8	
			Formal exam				70				14
MHN223993 Trimester A	Building Information Modelling	20	Coursework 1 Assignment on the aspects of BIM	50						7	
			Coursework 2 – computerized submission		50						12
Plus ONE OPTION											
MHK222010 Trimester B	Dispute Resolution	20	Coursework 1 Individual report	40							
			Coursework 2 Individual report		60						
MHK220957 Trimester B	Construction & Project Commercial Management	20	Continuous Assignment with given incidents	100						12	
MHK221878 Trimester B	Negotiation	20	Class-based scoreable negotiations	35							
			Individual essay		25						
			Unseen examination (exams office)				40				
EXIT AWARD: Scottish Bachelors Degree with Honours											

ASSESSMENT LOADING MATRIX: UNDERGRADUATE PART-TIME

BSc (Hons) Construction Management

SHE Level 1										
Year 1										
Module/Trimester	Module Title	Credits	Assessment Weighting							
			Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)	Ex2 (Div)	
M1K221945 Trimester A & B	Construction Technology 1	20	30						35	35
M1K203077 Trimester A & B	Professional Orientation & Practice (POP)	20	20	30	20	30				
M1K224313 Trimester A	Property Economics	20	25	25	25	25				
M1K222229 Trimester B	Construction Contracts 1	20						100		
Year 2										
M1K221884 Trimester A & B	Construction Materials	20							100	
M1K221873 Trimester A & B	Measurement 1.	20	30	30					40	
EXIT AWARD: Certificate of Higher Education Construction Management										

SHE Level 2										
Year 2 continued										
Module/Trimester	Module Title	Credits	Assessment Weighting							
			Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)	Ex2 (Div)	
M2K220795 Trimester A	Construction Technology 2	20	30	20				50		
M2K221315 Trimester B	Construction Contracts 2	20	30					70		
Year 3										
M2N220730 Trimester A & B	Construction Process Management 1	20	50	25	25					
M2K225247 Trimester A	Construction Cost Studies	20	40	20	40					
M2K223202 Trimester B	Principles of Building Performance	20	30	10				60		
M2K221185 Trimester A/B	Design and Regulation 1	20	30	50						
M2K226568 Trimester A/B	Work Based Learning 1	20	20	80						
EXIT AWARD: Diploma of Higher Education Construction Management										

SHE Level 3/SHE Level H (as applicable)									
Year 4									
Module/Trimester	Module Title	Credits	Assessment Weighting						
			Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)	Ex2 (Div)
M3K224776 Trimester A,B	Work Based Learning 2	20	20	80					
Year 4									
M3K224769 Trimester A	Estimating	20	30	40				30	
M3k202955 Trimester B	Construction Process Management 2	20	30				70		
M3K220824 Trimester B	Construction Technology 3	20	40				60		
MHK226545 Trimester B	Sustainability and the Built Environment*	20	50				50		
EXIT AWARD: Scottish Bachelors Degree in Construction Management									

SHE Level H									
Year 5									
Module/Trimester	Module Title	Credits	Assessment Weighting						
			Cw1	Cw2	Cw3	Cw4	Exam (Final)	Ex1 (Div)	Ex2 (Div)
MH221198 Trimester A & B	Dissertation	40	5	15	80				
MHN220816 Trimester A	Project Management	20	100						
MHN222313 Trimester A	Facilities Management (option)	20	30				70		
MHN223993 Trimester A	Building Information Modelling (option)	20	50	50					
MHK222010 Trimester B	Dispute Resolution (Option)	20	40	60					
MHK220957 Trimester B	Construction and Project Commercial Management (option)	20	100						
MHK221878 Trimester B	Negotiation (option)	20	35	25			40		
MHK224777 Trimester A/B	Work Based Learning 3	20	20	80					
EXIT AWARD: Scottish Bachelors Degree with Honours in Construction Management									

* Honours Classification modules from previous level