

		<p>Framework for Higher Education Qualifications Surveying QAA Subject Benchmark Statement 2019 CIOB Educational Framework 2018 PSRB Office for Students (OfS) Guidance Competitions and Markets Authority SEEC Level Descriptors 2021</p>
B. Course Aims and Features		
Distinctive features of course	<p>The course is designed for those pursuing a career in quantity surveying and commercial management in the construction industry. The course includes the study of management and business practice in a construction context as well as law and economics This course has a broad construction curriculum and develops expertise in relation to the procurement and financial management of construction.</p>	
Course Aims	<p>This course is intended for students who propose to pursue a career in Quantity Surveying and, in support of the University's mission statement, provide a high quality education that offers opportunities to students with a diverse range of educational backgrounds.</p> <p>The BSc (Hons) Commercial Management (Quantity Surveying) aims to:</p> <ol style="list-style-type: none"> 1. Produce graduates who are equipped to take up responsible professional employment as quantity surveyors and commercial managers in the construction industry. 2. Maintain recognition and accreditation by the appropriate professional institution. 3. Develop the intellectual and practical skills required to collect, analyse and interpret information, evaluate evidence and opinion, solve problems, reach sound judgements and communicate them effectively. 4. Produce graduates who have knowledge and understanding of the construction industry, construction technology and the organisation and management of construction procurement. 5. Develop understanding of the context within which graduates will work and the impact of changing social, economic, legal, cultural, environmental and technological frameworks on their working lives. 6. Prepare students for work in a business- and project-based, multidisciplinary industry. 7. Develop specific skills and expertise relating to the procurement and financial management of construction work. 8. Develop transferable skills that are required for study and employment and give students the confidence and ability to embrace change, engage in future study or research and career development. 	
Course Learning Outcomes	<p>a) Students will have knowledge and understanding of:</p> <p>A1 The construction industry and related industries, the main participants, their roles, linkages and inter-relationships and the context within which they work.</p> <p>A2 Construction technology, building services and building science.</p> <p>A3 The legal system, tort, contract and construction law.</p>	

- A4 The general principles of management and business practice and their application to corporate and project management in a construction context.
- A5 Information and communication technology relevant to commercial management in construction.
- A6 The role of professionals in society and their professional and ethical responsibilities.
- A7 Best practice in relation to health, safety and welfare and environmental sustainability.
- A8 The economics of the construction and property industries.
- A9 Concepts, theories and principles in relation to the procurement and financial management of construction work and the application of specific approaches and procedures that are used in the construction industry.

b) Students will develop their intellectual skills such that they are able to:

- B1 Assemble information and data from a variety of sources and discern and establish connections.
- B2 Identify and critically analyse issues with reference to pertinent argument and evidence.
- B3 Critically evaluate current procedures and approaches used by construction professionals.
- B4 Investigate routine and unfamiliar problems and apply professional judgement to devise solutions, balancing factors such as risk, cost, benefit, safety and environmental impact.
- B5 Plan, conduct and report on an individual research course.

c) Students will acquire and develop practical skills such that they are able to:

- C1 Use and interpret maps, plans and drawings.
- C2 Demonstrate basic competence in setting out work and in land surveying.
- C3 Measure building and civil engineering work for the purposes of tender document production, cost estimating and contract administration.
- C4 Use software packages that are relevant to commercial management in construction.

d) Students will acquire and develop transferrable skills such that they are able to:

- D1 Communicate effectively by oral, written and visual means in a form appropriate to the intended audience, with appropriate acknowledgement and referencing of sources.
- D2 Apply statistical and numerical skills at an appropriate level.
- D3 Use information and communication technology (ICT) to locate and access information and communicate information to others.
- D4 Work effectively as a member of a team.
- D5 Manage time and work to deadlines.
- D6 Learn effectively and independently.

C. Teaching and Learning Strategy

- Acquisition of the above is achieved by a combination of lectures, seminars, tutorials, practical work, directed reading, coursework, case study and project work. Guest speakers from industry are frequent contributors. Acquisition of A2, A7 and A9 also involves site visits and/or the use of actual buildings/sites for project work. Laboratory-based practical and workshop exercises contribute to achievement of A2 and A5. Student-led seminars are a particularly important ingredient in law and economics and acquisition of knowledge and understanding in all areas relies increasingly on discussion, whether student or staff led, as students' progress through the levels of study.
- Project work makes important contributions to the acquisition of A4 and A9, particularly at Level 6. Health and safety and environmental sustainability are taught throughout the course and understanding is also developed in other modules. The role of professionals and ethical issues are developed throughout the course.
- Intellectual skills are developed through the teaching and learning course. B1-B3 are developed through discussion in class, both staff and student led, and essay and report writing coursework that makes greater demands upon students as they progress through the levels of study. B4 is acquired and developed through project work at Levels 5 and 6. B5 is acquired by researching and completing a Research Project in Level 6 of the course. Research skills are introduced in a short lecture course and each student is supervised by a member of staff.
- C1 is developed through coursework and project work at Levels 5 and 6. C3 is taught at Level 5 and developed through classroom workshop exercises and coursework. C4 is developed through tutoring in computer laboratories, supported by help sheets and developed through application in coursework and project work.
- D1, D3 and D4 developed, in a construction context, in all levels. Communication skills are developed throughout the course through classroom discussion, individual and group presentations, essay and report writing. D2 is in application to construction-related problems at Levels 5 and 6. Library and Information Services staff are involved in teaching ICT skills. There is online access to help and self-teach packages. Group work at all levels develops teamwork skills. D5 is learnt rather than taught through students managing their time to meet coursework deadlines. D6 is acquired throughout the course and is supported by direction and guidance provided in module guides.

D. Assessment

Assessment involves a combination of unseen examinations, in-course tests, essays, reports, analytical exercises, use of software applications, seminar presentations, individual and group project work.

B1 to B4 are assessed through the wide variety of assessment methods already referred to.

Assessment of B4 often involves project work that simulates problems that

students will encounter in industry, may involve teamwork and culminates in the submission of a report. B5 is assessed by the Level 6 Research Project.

All practical skills are assessed through coursework and project work. C1 and C3 are also assessed through unseen examinations.

Communication skills are assessed through all means of assessment already mentioned. D2 is assessed in coursework, project work and examinations in modules at Levels 5 and 6. D3 is assessed through its application to coursework and project work. Teamwork is assessed in group project work. D5 and D6 are implicitly assessed by all forms of assessment.

Gateway Preparation Module

The Gateway is the entry point to End-Point Assessment (EPA). It is the point at which the apprentice has completed their learning, met the requirements of the standard, off-the-job (OJT) training (6 hours per week), and that they, alongside their employer and LSBU agree that they are ready to enter their EPA.

The Gateway Preparation module is a pass / fail, zero credit module designed to support apprentices to identify and work towards meeting the Gateway criteria from an early stage in their apprenticeship, particularly those that sit outside of an academic qualification. The module will be completed each year throughout the duration of the apprenticeship up to passing the Gateway. A minimum record of 8% of OJT, contributing towards the final total of 6 hours per week is required to pass the module in each year.

IMPORTANT: Evidence of meeting the ALL knowledge, skills and behaviour detailed in the IfATE Standard Assessment Plan, must be covered in the e-portfolio prior to the final Gateway review i.e. apprentices must address each KSB on their respective apprenticeship standard with appropriate workplace evidence.

End-Point Assessment (EPA) (Completion) Module

End-point assessment (EPA) is the final stage of an apprenticeship and must be completed after the apprentice successfully passes through Gateway. It is an assessment of whether the apprentice has developed the skills, knowledge and behaviours outlined in the apprenticeship standard.

The End Point Assessment (Confirmation) module is a pass/fail, zero-credit module that facilitates achievement and progress of the non-integrated End Point Assessment. It is assessed and confirmed by the End Point Assessment Organisation (EPAO) as set out in the assessment plan for the standard. The grade is confirmed by the EPOA.

E. Academic Regulations

The University's Academic Regulations apply for this course. Any course specific protocols will be identified here.

<https://www.lsbu.ac.uk/about-us/policies-regulations-procedures>

F. Entry Requirements

In order to be considered for entry to the course applicants will be required to have the following qualifications:

HNC in related subject with merit grade

Level 4 Apprenticeship in relevant subject or:

Equivalent level 4 qualification

Applicants must hold 5 GCSEs A-C including Maths and English or equivalent

On application we will also ask applicants to complete a skills scan against the knowledge, skills and behaviours in the apprenticeship standard to assess eligibility for funding.

G. Course structure(s)

Course overview

- Students study 12 modules, 6 at Level 5 and six at Level 6. The course is delivered on a semester pattern, each semester being 15 weeks in duration.
- Each module of study is a self-contained part of the course and carries a single credit value (20 credits).
- The course is delivered over three years, part-time, taught one day per week over six semesters with two or three modules being taught in each semester.

BSc Commercial Management – Part time

	Semester 1		Semester 2	
Year 3	EBB_5_120 Project Appraisal & Cost Control	20	EBB_5_050 Measurement 1 & Documentation	20
	EBB_5_080 Construction Contract Law	20	EBB_5_230 Management of Organisation	20
	Gateway Preparation (0 Credit)			
Year 4	EBB_5_130 Building Economics	20	EBB_5_070 Measurement 2 & Estimating	20
	EBB_6_020 Project Management	20	EBB_6_050 Contract Practice & Administration	20
	Gateway Preparation (0 Credit)			
Year 5	EBB_6_010 Research Project	20	EBB_6_100 Quantity Surveying Project	20
	EBB_6_070 Sustainable Construction & the Environment	20	EBB_6_040 Corporate Management & Finance	20
	Gateway Preparation (0 Credit)			
End Point Assessment (0 Credit)				

Link to Apprenticeship Standard:

<https://www.instituteforapprenticeships.org/apprenticeship-standards/construction-quantity-surveyor-degree/>

Link to Apprenticeship Assessment Plan:

https://www.instituteforapprenticeships.org/media/3280/st0045-construction-quantity-surveyor_l6_ap_for_publication_08072019.pdf

As part of the assessment plan all apprentices must complete the following additional qualifications prior to reaching gateway;

Site Safety Plus Site Managers Safety Training Scheme
Site Environmental Awareness Training Scheme

The School will make arrangements for all apprentices on the course to complete these qualifications following the completion of year 2 of the academic course. This will ensure that should anyone need to retake there is sufficient time prior to reaching gateway. The School will arrange for a suitable training provider to undertake these assessments.

Placements information

All students will be employed in relevant employment directly related to the apprenticeship standard for the entire duration of the course.

H. Course Modules

[Provide information on:
- core and optional modules;
- the circumstances when optional modules may not run; and
- how and when students will be informed if optional modules are changed]

Module Code	Module Title	Level	Semester	Credit value	Assessment
EBB-5-050	Measurement 1 and Documentation QS	5	2	20	Individual assessment and in class timed assessment
BEA_5_536	Construction Contract Law	5	1	20	Group assignment + individual presentation and Individual online assessment
EBB-5-070	Measurement 2 Estimating	5	2	20	Individual assessment and in class timed assessment
EBB-5-120	Project Appraisal and Cost Control	5	1	20	Individual assessment and in class controlled timed exam
EBB-5-130	Building Economics	5	1	20	Presentation and exam
EBB-5-230	Management of Organisation	5	2	20	1 paired assignment and an individual report
CPS_5_GW1	Gateway Preparation	5	1 & 2	0	N/A
CPS_5_GW2	Gateway Preparation	5	1 & 2	0	N/A
EBB-6-010	Research Project	6	1	20	Proposal and individual project
EBB-6-020	Project Management	6	1	20	Individual report and exam
EBB-6-040	Corporate Management and Finance	6	2	20	Individual assessment and Group assessment
EBB-6-050	Contract Practice and Administration (QS)	6	2	20	Coursework and Exam
EBB-6-070	Sustainable Construction and the Environment	6	1	20	Group coursework and exam
EBB-6-100	Quantity Surveying Project	6	2	20	Individual Project
CPS_6_GW3	Gateway Preparation	6	1 & 2	0	N/A
CPS_6_EPA	End Point Assessment	6		0	N/A

I. Timetable information

[indicate:
Provide as much information as possible,

- when students can expect to receive a confirmed timetable for study commitments; and
- if there is a teaching-free afternoon set aside for e.g. sporting/cultural activities.
- Don't specify a day(s) when teaching will take place if it may be changed.
- Prospective students should be kept informed of any changes.]

J. Costs and financial support

Course related costs

- provide information about other course-related costs (explain what is and what is not included in the tuition fees, e.g. such additional expenses as cost of books or other learning materials, specialist equipment, uniforms, clothing required for work placements, field trips, bench fees).

Tuition fees/financial support/accommodation and living costs

Information on tuition fees/financial support can be found by clicking on the following link:

<http://www.lsbu.ac.uk/study/undergraduate/fees-and-funding> or

<http://www.lsbu.ac.uk/study/postgraduate/fees-and-funding>

<https://www.lsbu.ac.uk/international/fees-and-funding>

Information on living costs and accommodation can be found by clicking the following link:

<https://www.lsbu.ac.uk/student-life/our-campuses/southwark/cost-of-living>

List of Appendices

Appendix A: Curriculum Map

Appendix B: Terminology

Appendix C: Mapping of Course against Apprenticeship Standard

Appendix A: Curriculum Map

This map provides a design aid to help course teams identify where course outcomes are being developed, taught and assessed within the course. It also provides a checklist for quality assurance purposes and may be used in validation, accreditation and external examining processes. Making the learning outcomes explicit will also help students to monitor their own learning and development as the course progresses.

Modules			Course outcomes																							
Level	Title	Code	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	B 1	B 2	B 3	B 4	B 5	C 1	C 2	C 3	C 4	D 1	D 2	D 3	D 4	D 5	D 6
5	Measurement 1 and Documentation QS	EBB-5-050		D						T D		D	D				T D A		T D A		D	T D	D		D	D
5	Construction Contract Law	BEA_5_536	T D		T D A							D	D								D		D	T D A	D	D
5	Measurement 2 Estimating	EBB-5-070		D						T D		D	D				T D A		T D A		D	T D	D		D	D
5	Project Appraisal and Cost Control	EBB-5-120	T D								T D A	D	D	T D	T D A				T D A		D		D		D	D
5	Building Economics	EBB-5-130	T D							T D A	T D A	D	D								D	T D	D		D	D
5	Management of Organisation	EBB-5-230	T D		D	T D A	D	T D A	T D			D	D								D		D		D	D
6	Research Project	EBB-6-010										D A	D A	T D		T D A					D		D		D	D
6	Project Management	EBB-6-020	T D		D	T D A		T D				D	D	T D	T D					T D	D		D		D	D
6	Corporate Management and Finance	EBB-6-040	T D		D	T D A	D			T D A	T D A	D	D	T D	T D A				T D		D	T D	D	T D A	D	D

6	Contract Practice and Administration (QS)	EBB-6-050	T D								T D	D	D	T D					T D		D		D		D	D
6	Sustainable Construction and the Environment	EBB-6-070		T D A			D		T D			D	D						T D		D		D		D	D
6	Quantity Surveying Project	EBB-6-100	T D	D								D A	D A	T D	T D	T D A					D		D		D	D

Appendix B: Terminology

[Please provide a selection of definitions according to your own course and context to help prospective students who may not be familiar with terms used in higher education. Some examples are listed below]

awarding body	a UK higher education provider (typically a university) with the power to award higher education qualifications such as degrees
bursary	a financial award made to students to support their studies; sometimes used interchangeably with 'scholarship'
collaborative provision	a formal arrangement between a degree-awarding body and a partner organisation, allowing for the latter to provide higher education on behalf of the former
compulsory module	a module that students are required to take
contact hours	the time allocated to direct contact between a student and a member of staff through, for example, timetabled lectures, seminars and tutorials
coursework	student work that contributes towards the final result but is not assessed by written examination
current students	students enrolled on a course who have not yet completed their studies or been awarded their qualification
delivery organisation	an organisation that delivers learning opportunities on behalf of a degree-awarding body
distance-learning course	a course of study that does not involve face-to-face contact between students and tutors
extracurricular	activities undertaken by students outside their studies
feedback (on assessment)	advice to students following their completion of a piece of assessed or examined work
formative assessment	a type of assessment designed to help students learn more effectively, to progress in their studies and to prepare for summative assessment; formative assessment does not contribute to the final mark, grade or class of degree awarded to students

higher education provider	organisations that deliver higher education
independent learning	learning that occurs outside the classroom that might include preparation for scheduled sessions, follow-up work, wider reading or practice, completion of assessment tasks, or revision
intensity of study	the time taken to complete a part-time course compared to the equivalent full-time version: for example, half-time study would equate to 0.5 intensity of study
lecture	a presentation or talk on a particular topic; in general lectures involve larger groups of students than seminars and tutorials
learning zone	a flexible student space that supports independent and social learning
material information	information students need to make an informed decision, such as about what and where to study
mode of study	different ways of studying, such as full-time, part-time, e-learning or work-based learning
modular course	a course delivered using modules
module	a self-contained, formally structured unit of study, with a coherent and explicit set of learning outcomes and assessment criteria; some providers use the word 'course' or 'course unit' to refer to individual modules
national teaching fellowship	a national award for individuals who have made an outstanding impact on student learning and the teaching profession
navigability (of websites)	the ease with which users can obtain the information they require from a website
optional module	a module or course unit that students choose to take
performance (examinations)	a type of examination used in performance-based subjects such as drama and music
professional body	an organisation that oversees the activities of a particular profession and represents the interests of its members
prospective student	those applying or considering applying for any programme, at any level and employing any mode of study, with a higher education provider

regulated course	a course that is regulated by a regulatory body
regulatory body	an organisation recognised by government as being responsible for the regulation or approval of a particular range of issues and activities
scholarship	a type of bursary that recognises academic achievement and potential, and which is sometimes used interchangeably with 'bursary'
semester	either of the parts of an academic year that is divided into two for purposes of teaching and assessment (in contrast to division into terms)
seminar	seminars generally involve smaller numbers than lectures and enable students to engage in discussion of a particular topic and/or to explore it in more detail than might be covered in a lecture
summative assessment	formal assessment of students' work, contributing to the final result
term	any of the parts of an academic year that is divided into three or more for purposes of teaching and assessment (in contrast to division into semesters)
total study time	the total time required to study a module, unit or course, including all class contact, independent learning, revision and assessment
tutorial	one-to-one or small group supervision, feedback or detailed discussion on a particular topic or project
work/study placement	a planned period of experience outside the institution (for example, in a workplace or at another higher education institution) to help students develop particular skills, knowledge or understanding as part of their course
workload	see 'total study time'
written examination	a question or set of questions relating to a particular area of study to which candidates write answers usually (but not always) under timed conditions

Appendix C: Mapping of Knowledge, Skills and Behaviours against Apprenticeship Standard for Construction Quantity Surveying Degree Apprenticeship

		BSc Commercial Management (Quantity Surveying)											
		Work Based Log Book	Measurement 1 and Documentation QS	Construction Contract Law	Measurement 2 Estimating	Project Appraisal and Cost Control	Building Economics	Management of Organisation	Research Project	Project Management	Corporate Management and Finance	Contract Practice and Administration	Sustainable Construction and the Environment
Knowledge	What is Required												
Finance/Accounting	Demonstrate understanding of balance sheets, profit and loss accounts and business plans	X				X	X				X		
Health and safety	Understand obligations for Health, Safety and Welfare issues on site, how to identify potential hazards and manage the risks	X											
Conflict avoidance	Understand the principles for the avoidance of conflict and dispute resolution between stakeholders in a project	X							X				
Sustainability	Understand the environmental impact of construction activities and how to minimise negative impacts during all stages of the project	X										X	
Contract practice	Understand and evaluate construction legislation and various forms of contract used in a project	X		X							X		
Construction technology	Demonstrate knowledge and understanding of the construction process and of the materials and technology that comprise best practice	X	X		X							X	
Procurement and tendering	Understand the main types of procurement and the related tendering and negotiating processes required to select specialist contractors	X									X		

Measurement and costing	Understand the principles of measurement and costing of construction works and their relationship to the financial control of a project	X	X		X	X	x							
Financial control	Understand how costs are controlled and reported on and the legal constraints	X		X		X	X				X			
Risk management	Understand the nature of risk and its effect on the management of a project	X				X				X				
Commercial management	Demonstrate knowledge and understanding of the principles of the financial and legal management of construction projects during the construction phase	X		X			X			X	X			
Planning	Describe the principles of the programming and scheduling aspects of projects during the construction phase that ensure completion on time	X						X		X				
Skills														
Conflict avoidance	Be able to apply and evaluate the principles for the avoidance of conflict and dispute resolution such as adjudication and arbitration between project stakeholders	X												
Health and safety	Be able to identify and manage risks of health, safety and welfare in line with legislation, hazards and safe systems of work	X												
Sustainability	Analyse costs and benefits of sustainability initiatives on a project	X												
Contract practice	Be able to advise on the legal aspects of a project and the most suitable form of contract to be used to ensure fairness and efficiency	X								X		X		
Construction technology	Be able to advise on the most suitable construction solutions that maximise value for clients and enhance the cost effectiveness of the project within the budget constraints	X												

Procurement and tendering	Be able to advise on the appropriateness of various procurement routes and manage and report on the tendering and negotiation processes to select specialist contractors	X										X		
Measurement and costing	Advise on appropriate methods of measurement of completed works and issue documentation required for payment to specialist contractors and income from client	X	X		X									X
Financial control	Advise construction team and the client on strategies to control predicted expenditure in line with the budget	X				X								
Risk management	Carry out risk assessments and implement strategies to mitigate risk	X												
Commercial management	Monitor, report and advise construction team on project cash flows and profitability. Evaluate and advise on financial implications of decisions during the construction phase	X				X		X				X		
Planning	Assess, interpret and report on progress and assist in the control of programmes during the construction phase	X						X						X
Behaviours														
Rules, ethics and professional practice	Understand and apply the Code of Conduct and conduct regulations, ethics and professional standards relevant to industry's recognised professional bodies.	X										X		
Client care	Demonstrate knowledge and ability to manage expectations and identify improvements	X						X		X				X
Teamworking and communication	Be able to work with others towards common goals and understand different techniques for communication and negotiation	X		X					X					X
Maintain CPD	Identify own development needs and take appropriate action to meet those needs	X												