

# PROGRAMME SPECIFICATION

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## Bachelor of Science with Honours in Construction Management

<b>Awarding institution</b>	Liverpool John Moores University
<b>Teaching institution</b>	LJMU
<b>JACS Code</b>	K200
<b>Programme Duration</b>	Part-Time: 5 Years
<b>Language of Programme</b>	All LJMU programmes are delivered and assessed in English
<b>Subject benchmark statement</b>	Construction, Property and Surveying (2008)
<b>Programme accredited by</b>	Chartered Institute of Building (CIOB) Royal Institution of Chartered Surveyors (RICS)
<b>Description of accreditation</b>	Department has Accredited Centre status <a href="http://www.ciob.org.uk/education/accreditation/accredited/courses#uk">http://www.ciob.org.uk/education/accreditation/accredited/courses#uk</a> Accredited by the RICS under the Project Management Competency
<b>Validated target and alternative exit awards</b>	Bachelor of Science with Honours in Construction Management  Diploma of Higher Education in Construction Management  Certificate of Higher Education in Construction Management
<b>Programme Leader</b>	Fiona Borthwick

## Educational aims of the programme

To provide students with an international, national and local understanding and appreciation of the professional discipline of onstruction Management and the role it has within the Construction sector. Construction Management graduates are primarily concerned with the management of the building production process to ensure that projects of all kinds are completed safely, on time and within budget. They need to have the core skills both in hard and soft areas such as using industry standard software/equipment and leadership, collaboration in teamwork and communication skills.

To provide fundamental knowledge in the following themes as prescribed by the CIOB Education Framework: Construction Technology, Construction Management, Sustainability, the Construction Environment, Health, Safety and Welfare, Ethics and Professionalism and the Dissertation/Research Project.

To provide a well-balanced education which allows the student to achieve his/her full academic potential at first degree level and in doing so to facilitate the development of independent logical thought and judgement.

To enable the student to develop his/her intellectual, critical, analytical and reflective thinking within an evidence and research based framework associated with the role of a construction professional.

To produce a basis for general professional experience and to encourage a consciousness of the professional, business and commercial environment.

To provide the framework within which students can achieve the level of attainment, appropriate to their abilities in the context of the programme of study that provides recognition of that level.

To develop skills to ensure that the graduate will operate within a sound Health and Safety framework as provided by the regulatory framework of the industry.

To develop awareness of all aspects of sustainability to ensure that graduates operate responsibly within their chosen discipline, and make positive choices in this context.

To encourage students to develop self-awareness in personal development, employability skills and career planning.

To facilitate the development of transferable and employability skills and an awareness of the need to plan, develop and record lifelong learning.

## **Alternative Exit/ Interim Award Learning Outcomes - Certificate of Higher Education**

*A student who is eligible for this award will be able to:*

Demonstrate knowledge of the underlying concepts and principles associated with Construction Management, and an ability to evaluate and interpret these within the context of that area of study.

Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts on Construction Management.

## **Alternative Exit/ Interim Award Learning Outcomes - Diploma of Higher Education**

*A student who is eligible for this award will be able to:*

Demonstrate knowledge and critical understanding of the well-established principles of Construction Management, and of the way in which those principles have developed an ability to apply underlying concepts and principles outside the context in which they were first studied, including where appropriate, the application of those principles in an employment context.

Demonstrate knowledge of the main methods of enquiry in the subject(s) relevant to Construction Management and the ability to evaluate critically the appropriateness of different approaches to solving problems in Construction Management.

Demonstrate an understanding of the limits of their knowledge, and how this influences analyses and interpretations based on that knowledge.

## **Target award Learning Outcomes - Bachelor of Science with Honours**

*A student successfully completing the programme of study will have acquired the following subject knowledge and understanding as well as skills and other attributes.*

*A student who is eligible for this award will be able to:*

1. Demonstrate knowledge and understanding of the technological, economical, social, environmental and legal framework with regard to Construction Technology, Science and Materials and Construction Management (financial and production).
2. Demonstrate knowledge and understanding of the implications the construction process can have on its surroundings considering aspects of health and safety, the environment and the public.
3. Have an appreciation for the technology associated with the structure, materials and services associated with buildings.
4. Demonstrate knowledge and understanding of procurement and contracts associated with the construction process.
5. Have a comprehensive knowledge and understanding of the role of a construction manager considering all aspects of project management including planning, control, risk and health, safety and welfare.
6. Have a comprehensive knowledge and understanding of strategic construction project management.
7. Demonstrate knowledge and understanding of business management within the construction sector.
8. Demonstrate knowledge and understanding of the building lifecycle process including lifecycle costing and maintenance management.
9. Demonstrate knowledge and understanding of academic and digital literacy in order to apply academic rigour to all aspects of their study.
10. Demonstrate knowledge and application of research design and methodology, leading to the undertaking of a significant independent research project.
11. Demonstrate a knowledge and application of industry standard software and equipment utilised within the construction management role.
12. Demonstrate knowledge and application of construction management skills within a collaborative multidisciplinary project environment.
13. Analyse, synthesise and evaluate information.
14. Reason, negotiate and discriminate critically.
15. Identify and solve problems individually and/or collaboratively.
16. Integrate lines of evidence from a range of sources to support findings or hypotheses.
17. Reflect on situations and their self.

18. Demonstrate and exercise independent thinking.
19. Produce solutions to problems through the application of subject knowledge and understanding.
20. Demonstrate the ability to articulate and engage in intellectual debate.
21. Use appropriate mathematical methods for analysing construction management problems.
22. Use appropriate techniques and equipment for undertaking practical field survey work.
23. Complete experimental laboratory work.
24. Use IT tools in construction management projects.
25. Take a leading role in commerce and industry in a range of situations.
26. Work collaboratively within construction project environments.
27. Research for information to develop and critically appraise ideas.
28. Apply construction project management and planning skills within industrial contexts within the UK and global market.
29. Manipulate and sort data.
30. Present data in a variety of ways.
31. Use scientific evidence based methods in the solution of problems.
32. Use both general and industry standard IT tools.
33. Use creativity and innovation in problem solving.
34. Work with limited or contradictory information.
35. Effectively communicate, through a variety of media.
36. Apply a construction management approach to the solution of problems.
37. Manage time and resources.
38. Appreciate and be aware of the needs of others and create good working relationships through teamwork and leadership.
39. Appreciate entrepreneurship and creativity within a working environment.
40. Reflect on their lifelong learning and development.

## Teaching, Learning and Assessment

*The methods used to enable outcomes to be achieved and demonstrated are as follows:*

Lectures, tutorials, problem solving sessions, seminars, workshops, laboratory and computer sessions, field work, participation in group projects and individual investigational/research project.

Unseen examinations, assignments, preparation of reports, design tasks, oral presentations, workshops, peer review, computer-based exercises, work placement reports (if applicable).

## Programme structure - programme rules and modules

Part time students will study the programme over a 5 year period. The programme is designed as follows:

Year 1 - 4200BEUG, 4205BEUG, 4204BEUG, 4202BEUG

Year 2 - 4203BEUG, 4201BEUG, 4220BEUG

Year 3 - 5220BEUG, 5200BEUG, 5219BEUG, 5226BEUG

Year 4 - 5210BEUG, 6220BEUG, 5204BEUG, 6203BEUG, 5203BEUG

Year 5 - 6219BEUG, 6227BEUG, 6201BEUG, 6200BEUG

Level 6	Potential Awards on completion	Bachelor of Science with Honours
Core	Option	Award Requirements
6200BEUG RESEARCH PROJECT (30 credits) 6201BEUG COLLABORATIVE INTERDISCIPLINARY PROJECT 3 (10 credits)		120 core credits at level 6 0 option credits at level 6

6203BEUG PROJECT LIFECYCLE MANAGEMENT (20 credits) 6219BEUG STRATEGIC CONSTRUCTION PROJECT MANAGEMENT (20 credits) 6220BEUG CONSTRUCTION SITE MANAGEMENT (20 credits) 6227BEUG BUSINESS MANAGEMENT (20 credits)		
Level 5	Potential Awards on completion	
Core	Option	Award Requirements
5200BEUG CONSTRUCTION TECHNOLOGY 2 (20 credits) 5203BEUG RESEARCH METHODS (10 credits) 5204BEUG COLLABORATIVE INTERDISCIPLINARY PROJECT 2 (10 credits) 5210BEUG CONSTRUCTION PROCUREMENT (20 credits) 5219BEUG GEOMATICS (20 credits) 5220BEUG SITE PRODUCTION MANAGEMENT (20 credits) 5226BEUG CONSTRUCTION CONTRACTS (20 credits)		120 core credits at level 5 0 option credits at level 5
Level 4	Potential Awards on completion	
Core	Option	Award Requirements
4200BEUG CONSTRUCTION TECHNOLOGY 1 (20 credits) 4201BEUG COLLABORATIVE INTERDISCIPLINARY PROJECT 1 (10 credits) 4202BEUG INTRODUCTION TO LAW (20 credits) 4203BEUG CONSTRUCTION AND PROPERTY ECONOMICS (20 credits) 4204BEUG SCIENCE AND MATERIALS (20 credits) 4205BEUG ACADEMIC AND DIGITAL LITERACY (10 credits) 4220BEUG CONSTRUCTION MANAGEMENT PRACTICE (20 credits)		120 core credits at level 4 0 option credits at level 4

## Information about assessment regulations

All programmes leading to LJMU awards operate within the University's Academic Framework.  
<https://www.ljmu.ac.uk/about-us/public-information/academic-quality-and-regulations/academic-framework>

## Opportunities for work-related learning ( location and nature of activities)

Work related learning is included within the programme, so students will have the opportunity to engage in real work projects and activities. In doing so, students will be able to apply their knowledge and employability skills in a 'world of work' context.

Having experience of the workplace and current issues is incredibly valuable in developing career aims and when applying for future employment.

Work-related learning may take different forms, the most common being: work placements, internships, simulations of workplace activity and employer-driven case studies. As part time students, the application of their

work experience is expected to be applied in differing work contexts through simulations and scenario based assessments.

The programme has active links with industry and involves employers in the collaborative projects at each level of the programme. Real world case studies are used wherever possible.

## Criteria for admission

### **A/AS Level**

260 UCAS points: minimum two A2 levels

### **BTEC National Diploma**

Level 4: 260 points

### **AVCE**

260 points: minimum two A2 levels

### **Irish Leaving Certificate**

Level 4: 260 UCAS points; minimum 3 subjects at Higher level

### **Scottish Higher**

Level 4: 260 UCAS points; minimum 2 subjects at Advanced Higher level

### **International Baccalaureate**

Level 4: 260 UCAS tariff point from IB.

### **Access**

Level 4: Pass overall in a QAA recognised Access to HE Diploma in any subject

### **Higher national diploma**

HNC/HND (Non-cognate) Level 4 Entry: Pass

HNC/HND (Cognate) Level 4 Entry: Pass

HNC/HND (Cognate) Level 5 Entry: Pass with Merits in 4 modules.

### **Other**

Foundation Degree (cognate)

Level 4: 240 credits, mean less than 50%

Level 5: 240 credits, mean 50% or more

### **Mature entry**

Mature students can be awarded entry if the Programme's Admissions Tutor deems them suitable. The definition of a mature student is not age related but is related to experience in the industry.

In exceptional circumstances, candidates with non-standard qualifications, may qualify for entry to the course on the basis of considerable relevant experience.

### **Overseas qualifications**

Overseas student applicants must have the equivalent qualifications as UK students. In addition they must have achieved an IELTS score of at least 6 with at least 5.5 in each component for non UK/EU students.

## External Quality Benchmarks

All programmes leading to LJMU awards have been designed and approved in accordance with the UK Quality Code for Higher Education, including the Framework for Higher Education Qualifications in the UK (FHEQ) and subject benchmark statements where applicable.

The University is subject to periodic review of its quality and standards by the Quality Assurance Agency (QAA). Published review reports are available on the QAA website at [www.qaa.ac.uk](http://www.qaa.ac.uk)

Programmes which are professionally accredited are reviewed by professional, statutory and regulatory bodies (PSRBs) and such programmes must meet the competencies/standards of those PSRBs.

## Support for students and their learning

The University aims to provide students with access to appropriate and timely information, support and guidance to ensure that they are able to benefit fully from their time at LJMU. All students are assigned a Personal Tutor to provide academic support and when necessary signpost students to the appropriate University support services.

Students are able to access a range of professional services including:

- Advice on practical aspects of study and how to use these opportunities to support and enhance their

personal and academic development. This includes support for placements and careers guidance.

- Student Advice and Wellbeing Services provide students with advice, support and information, particularly in the areas of: student funding and financial matters, disability, advice and support to international students, study support, accommodation, health, wellbeing and counselling.
- Students studying for an LJMU award at a partner organisation will have access to local support services

## **Methods for evaluating and improving the quality and standards of teaching and learning**

### **Student Feedback and Evaluation**

The University uses the results of student feedback from internal and external student surveys (such as module evaluations, the NSS and PTES), module evaluation questionnaires and meetings with student representatives to improve the quality of programmes.

### **Staff development**

The quality of teaching is assured through staff review and staff development in learning, teaching and assessment.

### **Internal Review**

All programmes are reviewed annually and periodically, informed by a range of data and feedback, to ensure quality and standards of programmes and to make improvements to programmes.

### **External Examining**

External examiners are appointed to programmes to assess whether:

- the University is maintaining the threshold academic standards set for awards in accordance with the FHEQ and applicable subject benchmark statements
- the assessment process measures student achievement rigorously and fairly against the intended outcomes of the programme(s) and is conducted in line with University policies and regulations
- the academic standards are comparable with those in other UK higher education institutions of which external examiners have experience
- the achievement of students are comparable with those in other UK higher education institutions of which the external examiners have experience

and to provide informative comment and recommendations on:

- good practice and innovation relating to learning, teaching and assessment observed by external examiners
- opportunities to enhance the quality of the learning opportunities provided to students

### **Please note:**

*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, teaching, learning and assessment methods of each module can be found in module and programme guides.*