

## 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>	Imperia Institute of Technology
<b>JACS Code</b>	K220
<b>Programme Duration</b>	Full-Time: 3 Years, 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>	
<b>Description of accreditation</b>	
<b>Validated target and alternative exit awards</b>	<p>Bachelor of Science with Honours in Construction Management</p> <p>Diploma of Higher Education in Construction Management</p> <p>Certificate of Higher Education in Construction Management</p>
<b>Link Tutor</b>	Michael Farragher

### Educational aims of the programme

To provide students with an international, national and local understanding and appreciation of the professional discipline of Construction 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.

For students undertaking a placement year, the aim is to provide students with an extended period of work experience at an approved partner that will complement their programme of study at LJMU. This will give the

students the opportunity to develop professional skills relevant to their programme of study, as well as attitude and behaviours necessary for employment in a diverse and changing environment.

### **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 your 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 oneself.
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 projects.

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

Lectures, tutorials, problem solving sessions, seminars, workshops, laboratory and computer sessions, field work, participation in projects.

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

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

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

Lectures, tutorials, problem solving sessions, seminars, workshops, laboratory and computer sessions, field work, participation in projects.

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

Level 6	Potential Awards on completion	Bachelor of Science with Honours
Core	Option	Award Requirements
6535BEKL RESEARCH PROJECT (30 credits) 6540BEKL BUSINESS MANAGEMENT AND ENTREPRENEURSHIP (20 credits) 6542BEKL PROJECT LIFECYCLE MANAGEMENT (20 credits) 6546BEKL STRATEGIC CONSTRUCTION PROJECT MANAGEMENT (20 credits) 6547BEKL CONSTRUCTION SITE MANAGEMENT (20 credits) 6548BEKL ADVANCED CONSTRUCTION MANAGEMENT PROJECT (10 credits)		120 core credits at level 6 0 option credits at level 6
Level 5	Potential Awards on completion	
Core	Option	Award Requirements
5536BEKL RESEARCH METHODS (10 credits) 5537BEKL CONSTRUCTION TECHNOLOGY 2 (20 credits) 5540BEKL CONSTRUCTION PROCUREMENT (20 credits) 5547BEKL GEOMATICS (20 credits) 5548BEKL SITE PRODUCTION MANAGEMENT (20 credits) 5549BEKL CONSTRUCTION CONTRACTS (20 credits) 5550BEKL CONSTRUCTION MANAGEMENT PROJECT (10 credits)		120 core credits at level 5 0 option credits at level 5
Level 4	Potential Awards on completion	
Core	Option	Award Requirements
4535BEKL INTRODUCTION TO LAW (20 credits) 4536BEKL CONSTRUCTION AND PROPERTY ECONOMICS (20 credits) 4537BEKL CONSTRUCTION TECHNOLOGY 1 (20 credits) 4538BEKL SCIENCE AND MATERIALS (20 credits) 4544BEKL CONSTRUCTION MANAGEMENT PRACTICE (20 credits) 4545BEKL CONSTRUCTION PROJECT (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 world projects and activities. In doing so, students will be able to apply and further 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 graduate jobs.

Work-related learning may take different forms, the most common being: simulations of workplace activity and employer-driven case studies.

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**

2 passes at A Level

### **Other**

Any ONE of the following English Language Requirements or its equivalent is required to enter the programme:

- MUET: Band 3
- IELTS: 5.5
- SPM English: Credit
- STPM English 914: Grade C
- STPM English 920: Grade D
- GCE 'O' Level : Credit
- TOEFL: 520 (paper) / 190 (computer) / 68 (internet)
- PTEA : Score 42-49

### **Overseas qualifications**

STPM- Pass with TWO (2) full passes or equivalent with minimum CGPA 2.0

UEC 5Bs

A-Level 2 passes

Recognized Matriculation / Foundation programme with minimum CGPA 2.00

SACE: Pass with minimum C in 2 subjects

CPU : 60% in 6 relevant subjects

New South Wales Higher School Certificate : min 10 Subjects with 55 UAI

TEE: Min aggregate of 279 for 5 subjects

International Baccalaureate (IB) : Min 24/45

Direct Entry to Level 5:

Diploma: Having successfully completed Diploma in Construction Management/Quantity Surveying from Imperia or other accredited

Higher Institutions with minimum CGPA 2.00

Imperia Foundation in Arts

## 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.*