

## Overview

<b>Programme Code</b>	30280
<b>Programme Title</b>	Construction Project Management
<b>Awarding Institution</b>	Liverpool John Moores University
<b>Programme Type</b>	Masters
<b>Language of Programme</b>	All LJMU programmes are delivered and assessed in English
<b>Programme Leader</b>	Ali Rostami
<b>Link Tutor(s)</b>	

## Awards

<b>Award Type</b>	<b>Award Description</b>	<b>Award Learning Outcomes</b>
Target Award	Master of Science - MS	See Learning Outcomes Below
Recruitable Target	Master of Science - MS240	See Learning Outcomes Below
Alternative Exit	Postgraduate Diploma - PD	In addition to the outcomes of the PG Certificate, students will be capable of taking an innovative and informed position in relation to the academic discipline and field of study of Construction Project Management. They will be able to devise and synthesise appropriate research methodologies. Students will also be able to demonstrate creativity in critical analysis, reflection and contextual awareness in a wide range of modules associated with the field of study.
Alternative Exit	Postgraduate Certificate - PC	See Learning Outcomes Below

<b>Alternate Award Names</b>	
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## External Benchmarks

<b>Subject Benchmark Statement</b>	
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## Accreditation

### Programme Accredited by

PSRB Name	Type of Accreditation	Valid From Date	Valid To Date	Additional Notes
Chartered Institute of Building (CIOB)	Accredited by the Chartered Institute of Building (CIOB), having been judged to meet the CIOB Education Framework. Prospective members holding these qualifications have full academic exemption and may enter CIOB membership without the requirement for an Individual Assessment.			
Royal Institution of Chartered Surveyors (RICS)				

### Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Full-Time, Face to Face	September	LJMU Taught	2 Years
Full-Time, Face to Face	September	LJMU Taught	1 Years

## Aims and Outcomes

### Educational Aims of the Programme

The overall aim of the programme is to develop knowledge, understanding and intellectual and practical skills appropriate to a wide range of project management roles in the construction and engineering sector. As the programme will address both demand and supply side perspectives of construction projects, it is also well suited to people in other sectors of the economy who are involved in the procurement of built assets on behalf of their organisation, e.g. project sponsors in the public sector. The intention is to provide a stimulating and challenging programme of study resulting in the development of self-reliant, versatile, enterprising and competent construction project managers. The programme will offer the appropriate type and level of support as students build their knowledge, understanding and skills to become independent learners for the future. The programme will offer opportunities for individual students to exercise some choice as to what they study in relation to their own background, interests or career aspirations. The specific aims of the programme are: 1. to develop and/or extend students' exposure to the current and emerging theories and practice of project management specifically in a construction and engineering industry context. 2. to encourage a risk management approach to problem solving. 3. to provide a opportunities for collaborative and individual student-centred study in order to develop analytical, critical, problem solving and research skills appropriate to the role of a construction project manager. 4. to provide clear career development opportunities to aspiring cognate and non-cognate project managers within the construction and engineering sector. 5. to develop and/or extend students exposure to current and emerging principles and practice within a global construction industry.

### Learning Outcomes

Code	Description
PLO1	Assess and evaluate the roles and responsibilities of the project manager.
PLO2	Critique the current use of information systems in the construction industry and be able to specify requirements for new systems.
PLO3	Use appropriate data capture techniques to investigate a constrained research proposition or hypothesis.
PLO4	Explain the applicability of particular methods and methodologies to individual circumstances during the life cycle of a project.
PLO5	Effectively work with people within an inclusive team environment.
PLO6	Conduct organisational and project reviews and explore the strengths and weaknesses of existing business processes.
PLO7	Undertake skilled, competent, evaluative and reflective project management practice.
PLO8	Formulate and solve management problems in particular focusing on the planning and control of time, cost and use of technology and systems within the project cycle.
PLO9	Propose, design and execute a substantive piece of research using appropriate research methodologies and data analysis techniques.
PLO10	Identify the objectives and overall business case for a project and prepare a cogent strategy and project management plan identifying how these may be achieved.
PLO11	Exercise initiative and personal responsibility.
PLO12	Evaluate the key concepts and theories associated with management and organisational behaviour that influence people and project-orientated team working.

<b>Code</b>	<b>Description</b>
PLO13	Develop personal and team competencies to the good of the project including the ability to reflect on decisions and outcomes and take positive decisions to effect change.
PLO14	Solve problems in creative and innovative ways.
PLO15	Make decisions in challenging and unpredictable situations.
PLO16	Use Information technology and quantitative methods for numerical data analysis and reporting.
PLO17	Participate effectively in multi-disciplinary and multi-cultural teams.
PLO18	Analyse the concepts, tools and techniques of project management together with the confidence to apply them in a practical and testing environment.
PLO19	Evaluate the strategic aspects of project management through all the project phases: definition, planning, execution, control and closure.
PLO20	Conduct a major piece of independent research, establishing the fundamental issues and displaying well developed research methodology skills.
PLO21	Undertake the critical evaluation of a project strategy and synthesise or model appropriate responses in the context of the project environment.
PLO22	Review and evaluate the empirical and qualitative aspects of the theories of risk and their implications for the management of construction projects.
PLO23	Understand and apply the tools to critically analyse the organisations involved in construction projects with a view to improving individual and collective performance in executing the project.
PLO24	Understand in depth how the project process works and be confident in managing the technical issues associated with the planning and management of resources within the design and construction services.

## Programme Structure

### Programme Structure Description

The programme is offered in full-time mode. The course of study will normally be completed in one year (full-time).

The Postgraduate Diploma and Postgraduate Certificate are alternative exit awards and do not recruit directly.

A total of 60 credits is required for a PG Certificate and 120 credits for a PG Diploma (excluding the dissertation).

For Masters students 7400BEPG Research Methods must be passed prior to the submission of the Dissertation (7401BEPG Dissertation).

Students that wish to undertake an additional 60 credits to form part of a 240 credit, four semester MSc can study the additional module 7001FETGDP (2 semesters in year 1 and 2 semesters in year 2).

<b>Programme Structure - 180 credit points</b>	
<b>Level 7 - 180 credit points</b>	
<b>Level 7 Core - 180 credit points</b>	<b>CORE</b>
[MODULE] 7400BEPG Research Methods Approved 2022.01 - 10 credit points	
[MODULE] 7401BEPG Dissertation Approved 2022.01 - 60 credit points	
[MODULE] 7403BEPG Project Management Fundamentals Approved 2022.01 - 20 credit points	
[MODULE] 7404BEPG Project Planning, Executing, Controlling and Closure Approved 2022.01 - 20 credit points	
[MODULE] 7412BEPG Sustainable Construction and Innovation Approved 2022.02 - 20 credit points	
[MODULE] 7435BEPG Production Management and BIM Approved 2022.01 - 20 credit points	
[MODULE] 7456BEPG Leading and Managing People in Projects Approved 2022.02 - 10 credit points	
[MODULE] 7457BEPG Collaborative BIM Project Approved 2022.01 - 20 credit points	
<b>Level 7 Optional - 60 credit points</b> <i>MS240 option</i>	<b>OPTIONAL</b>
[MODULE] 7001FETGDP Group Project Approved 2022.02 - 60 credit points	

Module specifications may be accessed at <https://proformas.ljmu.ac.uk/Default.aspx>

## Teaching, Learning and Assessment

Core knowledge and understanding will be acquired through conventional approaches to module delivery and these will be employed throughout the programme. This will include formal keynote lectures, coursework tasks and guided independent study. Additionally, a variety of learning strategies and interventions will be employed which will require students to take an active role in their learning. This will include critical analysis of research literature and dissemination of ideas through seminars, debates and formal student presentations. Knowledge and understanding of the research process will be developed in a specific taught Research Methods module in which students will be inculcated with the fundamentals of a variety of research methodologies and strategies. The module culminates in a research proposal referenced to journal publications and development of a data collection instrument development identifying data analysis strategies. In all modules, students will be given written and verbal feedback on their work. Details concerning assessment arrangements and the testing of specific learning outcomes are included in the module pro-formats. Modules are examined by a variety of methods including formal unseen examination, coursework, group presentations and interview by expert panel. Practical case studies will be used in order to develop relevant skills and the confidence to use them. These will be carried out in small groups in a workshop environment. The dissertation is a self-managed project with the support of academic staff acting as supervisors. The only formal teaching sessions will be introduction to the module, structure and format of a research thesis and support classes on data analysis. Assessment of a student's intellectual skills will be undertaken by a variety of means. This will include informal assessment of the ability to critically analyse relevant research literature and debate issues within confined peer groups together with the formal assessment of the dissertation submitted at the end of the programme. The acquisition of practical skills will be encouraged and developed within individual modules via workshops using relevant case studies from industry as the teaching vehicle. In the Collaborative BIM Project a real life scenario project simulation is used which will challenge students' practical skills and extend their ability to apply relevant project management tools and techniques in a quasi-live work environment. This practical skill will be taught and developed within the Research Methods module and applied within the Dissertation where students work under the guidance of a selected member of the academic staff of the School. Students' practical skills will be assessed within discrete modules via formal coursework assignments linked to a variety of case study material. Key skills are developed throughout the programme which aims to provide students with an appropriate environment in which to acquire and develop the necessary attributes of a project manager and the confidence to apply them in a challenging but protective environment. One module in particular concerns a major simulation based on a current live project which progresses through various project stages relevant to the programme of study. Students will work in small groups to specific deadlines and they will be challenged at each stage via peer reviews, presentations and interviews with project staff. Students' key skills will ultimately be tested In the Collaborative BIM Project via a formal presentation to a panel of industry experts selected for their particular experience and expertise within the field of construction project management. Students will be interviewed and questioned on their submission and their ability to 'think on their feet' will be tested in conjunction with the project management skills acquired during the programme of study.

## Opportunities for work related learning

Work Related Learning is included within the Programme, so students will have the opportunity to engage in real work projects and activities through delivery and assessment. The 60 credit project module included in the 240 credit version will be directly related to a work based scenario. Work Related Learning may take different forms, the most common being employer driven case studies with industry guest lecturers and presentation panellists.

## Entry Requirements

Type	Description
Other international requirements	International applicants: Equivalent qualifications and plus minimum IELTS score of 6.5. Applicants who have studied and successfully achieved a UK degree within 24 months of the start of the MSc are exempt from this requirement
Alternative qualifications considered	An Honours degree in a relevant subject with a minimum 2:2 classification or a professional qualification of equivalent standing and/or such relevant professional experience as deemed appropriate by the School.

## Extra Entry Requirements