Construction Project Management

Programme Information

2022.01, Approved

Overview

Programme Code	36571
Programme Title	Construction Project Management
Awarding Institution	Liverpool John Moores University
Programme Type	Masters

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Master of Science - MS	N/A
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.

Alternate Award Names	

Partner Name	Partnership Type
International College of Business and Technology	Franchised

External Benchmarks

Subject Benchmark Statement	

Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length Programme Length Unit
Full-Time, Face to Face	May	ICBT, Colombo	1 Years
Full-Time, Face to Face	October	ICBT, Colombo	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	Number	Description
PLO1	1	Demonstrate an appreciation of the roles and responsibilities of the project manager and appropriate means of ensuring successful project delivery.
PLO2	2	Critique the current use of information systems in the construction industry and be able to specify requirements for new systems.
PLO3	3	Use appropriate data capture techniques to investigate a constrained research proposition or hypothesis.
PLO4	4	Demonstrate the applicability of particular methods and methodologies to individual circumstances during the life cycle of a project.
PLO5	5	Effectively work with people within a team environment.
PLO6	6	Conduct organisational and project reviews and explore the strengths and weaknesses of existing business processes.
PLO7	7	Undertake skilled, competent, evaluative and reflective project management practice.
PLO8	8	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	9	Propose, design and execute a substantive piece of research using appropriate research methodologies and data analysis techniques.
PLO10	10	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	11	Exercise initiative and personal responsibility.
PLO12	12	Demonstrate a critical awareness of the project process and the development of appropriate strategies in the context of the supply chain and the internal and external project environment with particular consideration to sustainability and lean principles within a construction context.
PLO13	13	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	14	Solve problems in creative and innovative ways.
PLO15	15	Make decisions in challenging and unpredictable situations.
PLO16	16	Use Information technology and quantitative methods for numerical data analysis and reporting.
PLO17	17	Participate effectively in multi-disciplinary and multi-cultural teams.
PLO18	18	Have a comprehensive understanding of the concepts, tools and techniques of project management together with the confidence to apply them in a practical and testing environment.
PLO19	19	Have a comprehensive understanding of the strategic aspects of project management through all the project phases: definition, planning, execution, control and closure.
PLO20	20	Conduct a major piece of independent research, establishing the fundamental issues and displaying well developed research methodology skills.
PLO21	21	Undertake the critical evaluation of a project strategy and synthesise or model appropriate responses in the context of the project environment.
PLO22	22	Articulate and demonstrate knowledge and understanding of the empirical and qualitative aspects of the theories of risk and their implications for the management of construction projects.
PLO23	23	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	24	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.

Course Structure

Programme Structure Description	The programme is offered in full-time mode. The course of study will normally be completed in one calendar year 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 the Research Methods module must be passed prior to the submission of the Dissertation

Programme Structure - 180 credit points	
Level 7 - 180 credit points	
Level 7 Core - 180 credit points	CORE
[MODULE] 7500ICBTPM Research Methods Approved 2022.01 - 10 credit points	
[MODULE] 7501ICBTPM Dissertation Approved 2022.01 - 60 credit points	
[MODULE] 7502ICBTPM Collaborative BIM Project Approved 2022.01 - 20 credit points	
[MODULE] 7503ICBTPM Project Management Fundamentals Approved 2022.01 - 20 credit points	
[MODULE] 7504ICBTPM Project Planning, Executing, Controlling and Closure Approved 2022.01 - 20 credit points	
[MODULE] 7511ICBTPM Prince2® Approved 2022.01 - 10 credit points	
[MODULE] 7512ICBTPM Sustainable and Lean Principles Within Construction Approved 2022.01 - 20 credit points	
[MODULE] 7535ICBTPM Production Management and BIM Approved 2022.01 - 20 credit points	
Level 7 Optional - No credit points	OPTIONAL

Teaching, Learning and Assessment

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, classroom tests, group presentations and interview by expert panel. At various points in the programme of study, students will undertake tests using the Classroom Performance System. This will test their knowledge and understanding and provide instant feedback on their progress to date. 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 work under the 'hands-off, eyes-on' 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. In the Collaborative BIM Project module, students will be informally tested at various review points throughout the project and, formally, by interview with a professional panel of experts drawn from industry. 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 fo

Opportunities for work related learning

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Wherever possible, the assessment for each module will involve work related learning.

Entry Requirements

Type	Description

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 relevant professional experience in the Construction Industry as deemed appropriate. As students will not be studying the programme in the UK, an IELTs score requirement is not essential but it is expected that applicants will have English language ability equivalent to IELTS 6.5. The judgement on which the decision of equivalence will be based will usually be assessed using one or more of the following criteria: The candidate has passed English language O level with a grade C or above The candidate will have experience of working in a professional context and as English is the language of business in Sri Lanka, they will have to be proficient in order to have got the job and be able to work in that job The candidate will have studied a first degree that has been taught and assessed in English.

Programme Contacts

Programme Leader

Contact Name

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