Programme Specification Document

Approved, 2022.02

Overview

Programme Code	36305
Programme Title	Civil Engineering
Awarding Institution	Liverpool John Moores University
Programme Type	Level 3/4/5 Qualification
Language of Programme	All LJMU programmes are delivered and assessed in English
Programme Leader	
Link Tutor(s)	Karl Jones

Partner Name	**Partnership Type**
International College of Business and Technology	Validated

Awards

Award Type	**Award Description**	**Award Learning Outcomes**
Target Award	Professional Diploma - PDU	See Learning Outcomes Below

Alternate Award Names	

External Benchmarks

Subject Benchmark Statement	UG-Engineering (2019)

Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Full-Time, Face to Face	June	ICBT, Colombo	9 Months
Full-Time, Face to Face	October	ICBT, Colombo	9 Months

Aims and Outcomes

Educational Aims of the Programme

To provide fundamental knowledge in and develop an advanced understanding of the theory and practice of advanced mathematics, structural analysis and design, civil engineering hydrology and environmental science, geotechnics and fluid mechanics and hydraulics in the wider business, built environment and civil engineering sectors. To provide opportunities for the appreciation and understanding of the significant factors constraining the effective management and development of the built environment and major infrastructure, e.g. physical, legal, economic, sustainable and technological factors. To provide opportunities for collaborative and individual student-centred study on project tasks that simulate real working practices in order to develop analytical, critical and problem solving skills such that they can define, investigate and analyse problems, form judgements, make decisions and demonstrate the acquisition of such qualities. 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. To prepare students for the transition from Higher Education to employment within a professional context; and develop those transferable, specialist and employability skills that all stakeholders could reasonably expect of students who successfully complete a Professional Diploma in Civil Engineering. To encourage students to engage with the development of employability skills.

Learning Outcomes

Code	Description
PLO1	Have knowledge and critical understanding of the well established principles of civil engineering, and of the way in which those principles have developed.
PLO2	Have the 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.
PLO3	Have knowledge of the main methods of enquiry in civil engineering relevant to the named award, and ability to evaluate critically the appropriateness of different approaches to solving problems in civil engineering.
PLO4	Have an understanding of the limits of their knowledge, and how this influences analysis and interpretations based on that knowledge.
PLO5	Use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis.
PLO6	Effectively communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences, and deploy key techniques of the discipline effectively.
PLO7	Undertake further training, develop existing skills and acquire new competences that will enable them to assume significant responsibility within organisations.

Code	Description
PLO8	Have the qualities and transferable skills necessary for employment requiring the exercise of personal responsibility and decision making.

Programme Structure

Programme Structure Description

The award of the Professional Diploma in Civil Engineering requires the completion of 120 credits at Level 5.

Structure - 120 credit points	
Level 5 - 120 credit points	
Level 5 Core - 120 credit points	CORE
[MODULE] 5500ICPDCE Advanced Mathematics Approved 2022.01 - 20 credit points	
[MODULE] 5501ICPDCE Individual Student Project Approved 2022.01 - 20 credit points	
[MODULE] 5502ICPDCE Structural Analysis and Design Approved 2022.01 - 20 credit points	
[MODULE] 5503ICPDCE Civil Engineering Hydrology and Environmental Science Approved 2022.01 - 20 credit points	
[MODULE] 5504ICPDCE Geotechnics Approved 2022.01 - 20 credit points	
[MODULE] 5505ICPDCE Fluid Mechanics and Hydraulics for Civil Engineering Approved 2022.01 - 20 credit points	

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

Teaching, Learning and Assessment

Lectures, tutorials, problem solving sessions, seminars, workshops, computer sessions, participation in projects. Examinations, assignments, preparation of reports, essays, technological reports, oral presentations, workshops, peer review, computer-based exercises.

Opportunities for work related learning

Work-related learning is included within this programme, so students will have the opportunity to engage in real world projects and activities. The programme has active links with industry and involves employers in the industrial projects, utilising real world case studies wherever possible.

Entry Requirements

Type	Description

Alternative qualifications considered	English Language requirements: Students are required to have a minimum English language level of Sri Lankan General Certificate of Education (Ordinary Level) English Grade C or above, or a pass in the ICBT Academic English Studies course or recognised equivalent, such as the below: • GCSE/O-Level in English from a UK awarding body grade C • IGCSE English as a First Language grade C • IGCSE English as a Second Language grade C • Internet based TOEFL with an overall score of 72 (UG), 79 (PG) including 17 in Listening, 20 in Writing, 18 in Reading and 18 in Speaking • Pearson Test of English (PTE) • International Baccalaureate (Standard Level Grade 5/Higher Level grade 4 in English) • Cambridge Advanced English Grade C (minimum of “weak” in all four components (listening, reading, speaking and writing.In exceptional circumstances, candidates with non-standard qualifications, may qualify for entry to the course on the basis of considerable work experience in the construction industry.
Other international requirements	Advanced level qualifications plus the successful completion of a NARIC approved programme in a Civil Engineering subject. A programme of study that is equivalent to a UK level 4 qualification.

Extra Entry Requirements