

# Quantity Surveying and Commercial Management

## Programme Information

2022.01, Approved

### Overview

Programme Code	36567
Programme Title	Quantity Surveying and Commercial 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	For the award of PG Diploma, in addition to the outcomes for PG Certificate, students will be able to take an informed position in relation to the academic discipline of Quantity Surveying and Commercial Management, and they will be able to identify and apply appropriate research methodologies. Students should be able to demonstrate personal skills in critical analysis, reflection and contextual awareness in a wide range of modules associated within the academic discipline of Quantity Surveying and Commercial Management

Alternate Award Names	
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Partner Name	Partnership Type
International College of Business and Technology	Franchised

### External Benchmarks

Subject Benchmark Statement	PGT-Business and Management (2015)
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## 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	<p>The overall aim of the programme is to develop advanced knowledge, understanding and intellectual and practical skills appropriate to a wide range of Quantity Surveying and Commercial Management roles in the built environment sector. This will be achieved through a stimulating and challenging study of theory, concepts and practical application in the field; ensuring in the development of self-reliant, versatile, enterprising and competent Quantity Surveying and Commercial Managers. The programme will address both the demand and supply side perspectives of construction projects and is 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 specific aims of the programme are: 1.To develop an advanced understanding and knowledge of the theory and practice of procurement, construction contracts, cost management, information technology and project management in the wider business and built environment sectors. 2.To provide opportunities for the critical appreciation and understanding of the significant factors constraining the effective management and development of the built environment, e.g. physical, legal, economic and technological factors 3.To develop and/or extend students' exposure to the current and emerging theories and practice of Quantity Surveying and Commercial Management. 4.To provide opportunities for collaborative and individual student-centred study in order to develop analytical, critical and problem solving skills appropriate to leading, championing and developing the use of new organisational processes that improve the Quantity Surveying and Commercial Managers practices. 5. To encourage students to become autonomous learners.</p>
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## Learning Outcomes

Code	Number	Description
PLO1	1	Analyse and Evaluate the contexts in which the Quantity Surveyor and Commercial Manager operate including the legal, economic, political, cultural, technological and environmental in a global setting.
PLO2	2	Undertake the critical evaluation of a project strategy and synthesise or model appropriate responses in the context of the project environment.
PLO3	3	Articulate and demonstrate knowledge and understanding of the legal, economic, political, cultural, technological and environmental context that impacts on the management and cost of construction projects.
PLO4	4	Critically evaluate 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.
PLO5	5	Understand in depth how the design and construction process works and be confident in managing the technical, legal and economic issues associated with the procurement and management of design and construction services.
PLO6	6	Critically evaluate the current use of information systems in the construction industry and be able to specify requirements for new systems.

PLO7	7	Synthesize information from various sources in order to acquire a coherent understanding of project management and professional practice
PLO8	8	Use appropriate data capture techniques to investigate a constrained research proposition or hypothesis.
PLO9	9	Demonstrate the applicability of particular methods and methodologies to individual circumstances during the life cycle of a project.
PLO10	10	Effectively work with people within a team environment.
PLO11	11	Conduct organisational reviews and explore the strengths and weaknesses of existing business processes in relation to procurement, contract, financial management and project management.
PLO12	12	Explain the project process and the development of appropriate strategies in the context of the both the supply chain and the internal and external project environment.
PLO13	13	Design a financial information system to support decision making at a project or organisational level.
PLO14	14	Produce a framework for the control of time, cost and the elimination of waste in the supply chain during the construction process.
PLO15	15	Apply management and appraisal tools to aid project management functions.
PLO16	16	Propose, design and execute a substantive piece of research using appropriate research methodologies and data analysis techniques.
PLO17	17	Identify the objectives and overall business case for the financial management of a construction project and prepare a cogent strategy and project management plan identifying how these may be achieved.
PLO18	18	Develop the confidence required to manage the technical, legal and information management issues associated with Quantity Surveying and Commercial Management.
PLO19	19	Exercise initiative and personal responsibility.
PLO20	20	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.
PLO21	21	Solve problems in creative and innovative ways.
PLO22	22	Make decisions in challenging and unpredictable situations.
PLO23	23	Apply the concepts, tools and techniques of Quantity Surveying and Commercial and Project Management together with the confidence to apply them in a practical and testing environment.
PLO24	24	Participate effectively in multi-disciplinary teams.
PLO25	25	Use software technology to facilitate the decision making process
PLO26	26	Use Information technology and quantitative methods for numerical data analysis and reporting.
PLO27	27	Evaluate the key issues and problems concerning measurement, procurement, contracts and cost management.
PLO28	28	Use management and appraisal tools to aid project management functions design, programming and planning, monitoring and project evaluation of construction projects.
PLO29	29	Evaluate and compare the methods of process and information modelling and analysis in the context of construction and civil engineering projects.
PLO30	30	Examine and evaluate the interaction of the various professional disciplines involved with Quantity Surveying and the wider Built Environment

PLO31	31	Apply the professional and ethical responsibilities of a construction professional working within the built environment to given scenarios.
PLO32	32	Conduct a major piece of independent research, establishing the fundamental issues and displaying well developed research methodology skills.

## 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). The Research Methods module must be passed prior to the submission of the Dissertation.
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<b>Programme Structure - 180 credit points</b>	
<b>Level 7 - 180 credit points</b>	
<b>Level 7 Core - 180 credit points</b>	CORE
[MODULE] 7500ICBTM Research Methods Approved 2022.01 - 10 credit points	
[MODULE] 7501ICBTM Dissertation Approved 2022.01 - 60 credit points	
[MODULE] 7502ICBTM Collaborative BIM Project Approved 2022.01 - 20 credit points	
[MODULE] 7511ICBTM Prince2® Approved 2022.01 - 10 credit points	
[MODULE] 7531ICBTQS Sustainable Procurement Approved 2022.01 - 20 credit points	
[MODULE] 7532ICBTQS Construction Contract Strategy Approved 2022.01 - 20 credit points	
[MODULE] 7533ICBTQS Quantity Surveying Professional Skills Approved 2022.01 - 20 credit points	
[MODULE] 7534ICBTQS Financial Management and BIM Approved 2022.01 - 20 credit points	
<b>Level 7 Optional - No credit points</b>	OPTIONAL

## Teaching, Learning and Assessment

Teaching, Learning and Assessment	<p>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 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 the development of a data collection instrument. Knowledge and understanding is assessed using a range of techniques which include traditional essay and report based coursework assignments and workshop presentations. Assessment methods for each module are specified in the module specifications and may include a variety of methods including formal unseen and open book examinations, individual and group courseworks, classroom tests, presentations and interviews by industry expert. 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 or individually in a workshop/seminar 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. There will be a major project simulation which will challenge students' practical skills and extend their ability to apply relevant quantity surveying and commercial and 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 will 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. 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 quantity surveyor and commercial 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. The collaborative project allows the skills to be tested around a real life industry project and will involve various forms of presentations, written, verbal and to work collectively and individually to deadlines. Students will be interviewed and questioned on their submission and their ability to 'think on their feet' will be tested in conjunction with the quantity surveying and commercial management skills acquired during the programme of st</p>
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### 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
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Alternative qualifications considered	<p>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.</p>
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## Programme Contacts

### Programme Leader

Contact Name

### Link Tutor

Contact Name

Mohan Siriwardena