Tendering and Estimation for Construction

Module Information

2022.01, Approved

Summary Information

Module Code	5507ICBTQS
Formal Module Title	Tendering and Estimation for Construction
Owning School	Civil Engineering and Built Environment
Career	Undergraduate
Credits	15
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
International College of Business and Technology

Learning Methods

Learning Method Type	Hours
Lecture	45
Workshop	15

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
APR-PAR	PAR	April	12 Weeks
JAN-PAR	PAR	January	12 Weeks

SEP_NS-PAR	PAR	September (Non-standard start date)	12 Weeks

Aims and Outcomes

Aims	Aim(s) of the module is to demonstrate an understanding of tendering processes of various construction contracts and to apply methods & techniques of construction estimation to produce estimates in different phases of a building and civil engineering construction contracts.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Identify traditional & modern types, processes of tendering in building and civil engineering construction contracts.
MLO2	2	Assess and apply various standards code of practice & rules of tendering in building and civil engineering construction contracts.
MLO3	3	Apply estimation techniques to produce estimates in various type of building and civil engineering construction contracts.
MLO4	4	Appraise computer based tools and applications of estimation & future dimensions of Quantity Surveying practice with advance IT applications for estimation works.

Module Content

Outline Syllabus	Methods of Tendering & procurement routs: Open, selective, negotiated, competitive, serial, framework, Single-stage and two-stage, management • Tender evaluation and Tender report Form of bids (Standard Bidding Documents) and tendering documentation: Introduction to FIDIC/ CIDA & compilation of tender documents using standard formats Tender documentation: Advertisement for Bids, Information for Bidders, Bid Bond, Bidder qualifications, Invitation, Offer, Acceptance, Award, Securities & Bonds " Schedule of rates and its application to calculate unit rates: labour/ plants & machinery of civil & building works. Unit rate preparation for BOQ: Use of BSR/ NRM 2 Operational & commercial factors to produce estimates Mark-ups: Profits & overheads Provisional & Prime cost sum Introduction to RIBA Plan of work 2013 and stages of tendering Introduction to e-tendering Software packages for estimation work: MS Excel
Module Overview	
Additional Information	

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Coursework	30	0	MLO1, MLO4
Exam	Examination	70	2	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Karl Jones	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings