

Module Details	
Module Title	Management of Project Procurement and Construction Contracts
Module Code	CSE7017-B
Academic Year	2020/1
Credits	20
School	Department of Civil and Structural Engineering
Subject Area	Civil and Structural Engineering
FHEQ Level	FHEQ Level 7
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Supervised time in studio/workshop	10
Online Seminar (Synchronous)	10
Online Lecture (Synchronous)	20
Directed Study	160

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1

Module Aims
To provide students with a deep understanding of the nature of construction projects and a holistic view of their context, with the ability to effectively select and tailor project management tools, and appropriately implement mechanisms of standard construction contracts. This will give students the expertise to confidently and successfully contribute to progress meetings and communications within projects. For students to critically compare and reflect on different schools of project management knowledge, Association of Project Management (APM) Body of Knowledge (APM BoK) , and ISO 21500:2012, Guidance on Project Management.

Outline Syllabus

Roles and responsibilities in construction project context, optimum allocation of risks in construction contracts, Integration of management and procurement management among PMI project management processes, introducing standard forms of construction contracts, establishing and maintaining the link between PMI project concepts and processes on one hand, and NEC4 contract terms and Clauses on the other hand, and Navigating through NEC4 ECC form of contract; Core Clauses, Contract Options and Optional Clauses.

Learning Outcomes

Outcome Number	Description
01	Implement effectively project management tools to define roles, distribute responsibilities and allocate risks in the context of a construction project.
02	Professionally select appropriate project management tools, and tailor them to appropriately suit different construction project contexts.
03	Demonstrate an in-depth understanding of the concepts underpinning standard construction contract clauses (eg NEC4), and implement systematically the mechanisms, procedures and timelines of NEC4 contracts 4. Synthesise the understanding of project management concepts and construction contract terms in creative and effective ways.

Learning, Teaching and Assessment Strategy

Theoretical concepts are introduced through practice-based examples. Through exploring, discussing, and reflecting on real-life scenarios, students will develop the holistic mind-set necessary for decision-making in the complex context of construction projects, recognising the project management tools that can add value, and identifying ways in which these tools can be effectively tailored to achieve the strategic objectives.

Students systematically implement selected standard construction contract clauses for common real-life scenarios encountered during the progress of construction projects.

Students participate in workshops, allowing them to effectively communicate and negotiate, to define roles, distribute responsibilities and allocate project risks in a contractual construction context. In this way they build their project-management skills and develop implementation capability for the standard contract clauses and experience of managing contractual relations between relevant organisations. This process allows students to thoroughly understand the contract.

Students will critically compare different international schools of project management to consider the strategic view of APM BoK, particularly towards project success criteria and project success factors following the European school. This will enable students to comprehend the project context, and it will further develop the students' capabilities to tailor project management tools

Abilities to select and tailor tools appropriately and to prepare contracts are assessed through a technical report. Systematic implementation of standard contract clauses and conceptual understanding of project-management are assessed through an online open-book examination. Formative quizzes provide interim feedback, while interactive exercises allow them to practice skills of communication, negotiation, planning and contractual implementation. Learning activities will be implemented through a blend of online lectures and tutorials and on campus workshops.

Two assessments will be carried out, one open book online test and one assignment in which students will present construction cases, tailor and implement project management tools.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Examination - Open Book	Examination - Open Book	1 hour 30 mins	50%
Summative	Coursework	A Group-based coursework in which different case studies are presented	N/A	50%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.

