Module Descriptor

Title	Modern Practice in Construction Management		
Session	2025/26	**Status**	Published
Code	ENGG10015	**SCQF Level**	10
Credit Points	20	**ECTS (European Credit Transfer Scheme)**	10
School	**Computing, Engineering and Physical Sciences**		
Module Co-ordinator	S Tennant		

Summary of Module

The module covers modern practice in construction management exploring construction activity, corporate strategy, the role of Government, economic exchange, stakeholder engagement, digital technologies, modern methods of working and ethical obligations and commitments. Whilst the module is structured as having discrete labels it is envisaged that many of the topics will overlap, contradict conventional understanding and challenge mainstream interpretations.

Making sense of construction as an industry; namely, its significance and reach, contribution to local and national socio-economic well-being and the role(s), interest, influence and policy of UK and devolved Government, including publication and impact of Government sponsored construction industry reports.

Construction relational management issues including the economic exchange and supply of construction services and goods, alternative methods of construction procurement including sustainable procurement and collaborative working in a project driven environment.

Construction commercial management of Corporation and Project. Addresses issues such as corporate accounting, contractual forms of engagement (for example: NEC3), value analysis, risk minimization, alternative dispute resolution (ADR) and project negotiation

Construction ethics: for example, issues related to corporate social responsibility (CSR), responsible procurement, construction project bank accounts (PBA's) and employment practices

Construction drivers for change including Design for manufacture and assembly (Dfma), off-site construction, Digital Technologies and Building Information Modelling (BIM) and Intelligent Building design.

This module will work to develop a number of key 'I am UWS Graduate Attributes'. Students who successfully complete this module will be knowledgeable, inquiring, problem solver, ethically minded, socially responsible, motivated, creative, collaborative and ambitious.

Module Delivery Method	On-Campus[1] ☒	Hybrid[2] ☐	Online[3] ☐	Work -Based Learning[4] ☐
Campuses for Module Delivery	☐ Ayr ☐ Dumfries	☒ Lanarkshire ☐ London ☒ Paisley	☐ Online / Distance Learning ☐ Other (specify)	

Terms for Module Delivery	Term 1	☒	Term 2	☒	Term 3	☐
Long-thin Delivery over more than one Term	Term 1 – Term 2	☐	Term 2 – Term 3	☐	Term 3 – Term 1	☐

Learning Outcomes	
L1	Make sense of construction as an industry, its contribution to local and national socio-economic well-being and the role, interest and influence of UK and devolved Government.
L2	Discuss the economic exchange of construction services & goods and alternative procurement strategies in a project-driven environment.
L3	Understand the commercial issues related to corporate management including construction company (Plc) reporting and accounting protocols and construction project management including value analysis, project risk, alternative dispute resolution (ADR) and project negotiations.
L4	Evaluate ethical construction practice from multiple stakeholder viewpoints.
L5	Discuss drivers for change in construction management and technology including Design for manufacture and assembly (Dfma), off-site construction, Digital Technologies and Building Information Modelling (BIM) and Intelligent Building Design.

Employability Skills and Personal Development Planning (PDP) Skills	
SCQF Headings	**During completion of this module, there will be an opportunity to achieve core skills in:**
Knowledge and Understanding (K and U)	**SCQF 10** K&U of current issues of social, technical, economic, environmental and political influences in the built environment. K&U economic exchange of construction services & goods and alternative procurement strategies. K&U of PLC report and accounts.

[1] Where contact hours are synchronous/ live and take place fully on campus. Campus-based learning is focused on providing an interactive learning experience supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus contact hours will be clearly articulated to students.

[2] The module includes a combination of synchronous/ live on-campus and online learning events. These will be supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus and online contact hours will be clearly articulated to students.

[3] Where all learning is solely delivered by web-based or internet-based technologies and the participants can engage in all learning activities through these means. All required contact hours will be clearly articulated to students.

[4] Learning activities where the main location for the learning experience is in the workplace. All required contact hours, whether online or on campus, will be clearly articulated to students

	K&U of project risk, procurement, NEC3, value analysis, cash flow and negotiations. K&U of ethical practice and the corporate social responsibility of construction industry stakeholders. K&U of the design, construction and management of a range of contemporary technologies, processes, procedures and industry practice.
Practice: Applied Knowledge and Understanding	**SCQF 10** Apply the concepts of economics, sustainability and technological change to the construction process. Apply the concepts of value analysis. Determine appropriate construction management and procurement strategies and select an appropriate contract form. Appraise construction industry engagement from an ethical perspective.
Generic Cognitive skills	**SCQF 10** Generic skills developed in critical analysis, finance, contract and negotiations.
Communication, ICT and Numeracy Skills	**SCQF 10** Communication skills honed via written reports and presentations. Computer and numeracy skills developed by means of various project management techniques.
Autonomy, Accountability and Working with Others	**SCQF 10** The module will provide an opportunity to develop individual and group autonomy, time management, initiative and self-learning. Although ostensibly involved in issues of industry and management wider issues relating to sustainability, society and ethics will inevitably be addressed by students. It should also introduce concepts such as lifelong learning/CPD.

Prerequisites	**Module Code**	**Module Title**
	Other	
Co-requisites	**Module Code**	**Module Title**

Learning and Teaching
In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours. The module delivery framework is a balance of in-person events and synchronous events. The learning and teaching student engagement for this module include the following; Lecture / core content delivery (20 hours), Tutorial /synchronous activity (12 hours), Workshops (4 hours) and Independent study (164 hours). Independent study includes the following: Courseworks, Problem Based Learning, Self-Study including consolidation week, examination and feedback & reflection.

Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	**Student Learning Hours** (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture / Core Content Delivery	20
Tutorial / Synchronous Support Activity	12
Laboratory / Practical Demonstration / Workshop	4
Independent Study	164
Please select	
Please select	
TOTAL	200

Indicative Resources

The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

Support material for Modern Practice in Construction Management is available on UWS VLE / Aula. This includes access to all lecture presentations, guest lecture presentations, hand-outs, suggested reading material and URL links to appropriate sources for further information on issues related to themes within Modern Practice in Construction Management.

SOFTWARE Excel , Word and Powerpoint

Extension Resources: Consultation of the under-noted book resources is recommended and material from these resources may be of benefit to the student in the assessment process:

Farmer, M., (2016) The Farmer Review of the UK Construction Labour Model. London, Construction Leadership Council.

Fewings, S., (2009) Ethics for the Built Environment, London, Taylor & Francis.

Green, S., (2011) Making Sense of Construction Improvement, Oxford, Wiley-Blackwell.

Murray, M. and Langford, D. (eds.) 2003. Construction Reports 1944 - 98, Oxford: Blackwell Publishing.

Pryke, S., (2009) (ed.) Construction Supply Chain Management Concepts and Case Studies. Oxford: WileyBlackwell.

Radosavljevic, M. and Bennet, J., (2012) Construction Management Strategies: A Theory of Construction Management, Oxford, John Wiley & Sons Ltd.

(N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Attendance and Engagement Requirements

In line with the Student Attendance and Engagement Procedure, Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time.

For the purposes of this module, academic engagement equates to the following:

The School of Computing, Engineering and Physical Sciences considers attendance and engagement to mean a commitment to attending, and engaging in timetabled sessions. Students will scan their attendance via the attendance scanners each time they are on-campus. Students will have attendance recorded in class and they will be expected to login to the VLE several times per week. Students who are unable to attend a timetabled learning session, due to illness or other circumstance, should notify their Programme Leader. Across the School an 80% attendance threshold is set. Students who fall below this, will be referred to the Student Success Team to see how they can be best supported in their studies.

Equality and Diversity
The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: UWS Equality, Diversity and Human Rights Code. Aligned with the University's commitment to equality and diversity, this module supports equality of opportunity for students from all backgrounds and learning needs. Using the VLE, material will be presented electronically in formats that allow flexible access and manipulation of content. This module complies with University regulations and guidance on inclusive learning and teaching practice. This module has lab-based teaching and as such students are advised to speak to the Module Co-ordinator to ensure that specialist assistive equipment, support provision and adjustment to assessment practice can be put in place, in accordance with the University's policies and regulations.
(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)

Supplemental Information

Divisional Programme Board	**Engineering Physical Sciences**
Overall Assessment Results	☐ **Pass / Fail** ☒ **Graded**
Module Eligible for Compensation	☐ **Yes** ☒ **No** **If this module is eligible for compensation, there may be cases where compensation is not permitted due to programme accreditation requirements. Please check the associated programme specification for details.**
School Assessment Board	Civil Engineering and Quality Management
Moderator	Ashwini Konanahalli
External Examiner	Yuting Chen
Accreditation Details	This module is accredited by the Joint Board of Moderators as part of BEng (Hons) Civil Engineering and GA-BEng (Hons) Civil Engineering.
Module Appears in CPD catalogue	☒ **Yes** ☐ **No**
Changes / Version Number	3.09 AY2526: Changes for delivery: – change examination assessment component from online (unseen closed book) to the following on-campus (Unseen Closed Book Class Test) / update external examiner.

Assessment (also refer to Assessment Outcomes Grids below)

Assessment 1
Assessment 1 contributes 40% to the final mark and is made up of two sub-components; (1) a report exploring corporate performance and (2) a report following a simulation exercise requiring negotiation and role-play.
Assessment 2
Assessment 2 is a 2-hour unseen closed book class test that contributes 60% to the final mark (Five questions – attempt any three questions).
Assessment 3
(N.B. (i) Assessment Outcomes Grids for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed. (ii) An indicative schedule listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)

Component 1							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Dissertation/ Project report/ Thesis	☒	☒	☒	☒	☐	40	0

Component 2							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Unseen Closed Book Class Test	☒	☒	☒	☒	☒	60	2

Component 3							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		
Combined total for all components						100%	hours

Change Control

What	**When**	**Who**
AY2425 - AY2526: Changes – change examination assessment component from online (unseen closed book) to the following on-campus (Unseen Closed Book Class Test) / update external examiner.	AY2526	MC
