

Module Details

Title:	Construction Project Management DRAFT		
Module Title:	Construction Project Management		
Language of Instruction:	English		
Module Code:	CONT H5R01	Duration:	1 Semester
Credits:	10		
NFQ Level:	9		
Field of Study:	Engineering, Manufacturing and Construction		
Valid From:	Autumn 2021 (September 2021)		
Module Delivered In	6 programme(s)		
Head of Department:	Eoin Homan		
Module Author:	Eoin Homan		
Teaching & Learning Strategies:	Lectures Projects Practicals Private study		
Module Aim:	The aims of this module are to: • Provide graduates with specialised knowledge in the area of construction project management. • Focus the graduate on the key issues pertaining to the role of the project manager. • Enable the graduate to apply knowledge obtained to construction projects.		

Learning Outcomes

On successful completion of this module the learner should be able to:

LO1	Fill the role of the project manager with the skills required to define, plan, implement and complete projects.
LO2	Critically analyse and evaluate scenarios in project risk management, stakeholder management and performance and be able to recommend strategies for improvement.
LO3	Model Project Management scenarios using software to develop critically informed decisions (MERIT or similar).
LO4	Apply management skills to both the overall process of project management and to specific stages within that process.
LO5	Critically evaluate the financial aspects of construction firms.

Pre-requisite learning

Module Recommendations

This is prior learning (or a practical skill) that is recommended before enrolment in this module.

No recommendations listed

Incompatible Modules

These are modules which have learning outcomes that are too similar to the learning outcomes of this module.

No incompatible modules listed

Co-requisite Modules

No Co-requisite modules listed

Requirements

This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.

No requirements listed

Module Content & Assessment

Indicative Content

Role of projects and Project Management

• Role of the Project Manager • Characteristics of projects • Phases and characteristics of the project life cycle • Classifying Projects – Key Project Indicators • Scalable project management methodologies • Project Leadership • Project Scoping – defining a project's mission and purpose • Procurement

Risk & Supply Chain Management

• Risk identification, analysis and response • Management of risk at each stage of the project • Supply Chain Management • Lean Construction, 6 Sigma techniques

Project Planning, programming & control

• Management Principals • Critical Path Analysis • Programming within a BIM context • Control of Construction Projects

Management of Projects

• MERIT for the construction industry • Knowledge Management (PMBOK) • Stakeholders in Construction • Human Resource Management • Health & Safety • Post-Construction

International Project management

• Challenges facing global construction • Leading, communicating & collaborating with virtual teams • Corporate Strategy • International Construction markets • Establishing market presence internationally • Cultural impacts on the construction process

Financial Aspects

• Financial management and control in construction • Corporate strategies in construction • Financial management at company level • Financial accounts for construction companies • Corporate analysis and ratio analysis

Assessment Breakdown

%

Project

70.00%

Practical

30.00%

No Continuous Assessment

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Written Report 01	1,2,5	20.00	n/a
Project	Written Report 02	2,3,4	20.00	n/a
Project	Written Report 03	1,2,4	20.00	n/a
Project	Written Report 04	2,4	10.00	n/a

Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Oral Presentation 01	1,2,5	15.00	n/a
Practical/Skills Evaluation	Oral Presentation 02	2,3,4	15.00	n/a

No End of Module Formal Examination

ITCarlow reserves the right to alter the nature and timings of assessment

Module Workload

This module has no Full Time workload.

Workload: Part Time					
Workload Type	Workload Description	Learning Outcomes	Hours	Frequency	Average Weekly Learner Workload
Lecture	No Description	1,2,3,4,5	3.5	Every Week	3.50
Independent Learning Time	No Description	1,2,3,4,5	13	Every Week	13.00
Total Hours					16.50
Total Weekly Learner Workload					16.50
Total Weekly Contact Hours					3.50

Module Resources

Recommended Book Resources

CIOB 2002, *Code of Practice for Project Management for Construction and Development*, 3rd Edition Ed., Blackwell

S. Keoki Sears, Glenn A. Sears, Richard H. Clough 2008, *Construction Project Management: A Practical Guide to Field Construction Management.*, 5th edition Ed., Wiley

Dallas M.F. 2006, *Value and Risk management – A Guide to Best Practice*, Blackwell Oxford, UK

Walker P. and Greenwood D 2002, *Construction Companion – Risk and Value Management*, RIBA Enterprises

Smith N.J., Merna T. and Jobling P. 2006, *Managing Risk in Construction Projects*, 2nd edition Ed., Blackwell

Institution of Civil Engineers 2005, *RAMP – Risk Analysis and Management for Projects*, 2nd edition Ed., Thomas Telford

Forbes L. H., Ahmed S.M 2011, *Modern Construction - Lean Project Delivery and Integrated Practices.*, Taylor and Francis Group

Powell G 2016, *Construction Contract Preparation and Management, 2nd Edition*, Palgrave

Project Management Institute 2008, *A Guide to the Project management Body of Knowledge, 4th Edition*, Project Management Institute

Winch G. M. 2012, *Managing Construction Projects, 2nd Edition*, John Wiley and Sons

This module does not have any article/paper resources

This module does not have any other resources

Module Delivered In

Programme Code	Programme Title
	Certificate in BIM & Construction Project Management (Draft)
	Certificate in BIM Management (Draft)
	Certificate in Construction Project Management (Draft)
	Certificate in Facilities Management (Draft)
CW_CRBUI_M	Master of Science in Management in the Built Environment (Draft)
CW_CRBUI_E	Post Graduate Diploma in Science in Management in the Built Environment (Draft)

Module Teachers	
Module Teachers	
Staff Member	Staff Email
No Teacher Staff Assigned	