



<b>Title:</b>	Advanced Cost Planning <b>APPROVED</b>
<b>Long Title:</b>	Advanced Cost Planning
<b>Module Code:</b>	BULD7035
<b>Duration:</b>	1 Semester
<b>Credits:</b>	5
<b>NFQ Level:</b>	Intermediate
<b>Field of Study:</b>	Building Science
<b>Valid From:</b>	Semester 1 - 2022/23 ( September 2022 )
<b>Module Delivered in</b>	<a href="#">2 programme(s)</a>
<b>Module Coordinator:</b>	DANIEL CAHILL
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<b>Module Description:</b>	This module will enable the student to appraise the means of achieving better value on a construction project be that at the design/feasibility stage (precontract) or while being constructed on site (post-contract).
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner will be able to:</i>	
LO1	Examine the cost implications of development land use and its associated planning and zoning implications.
LO2	Investigate the benefits of Cost Benefit Analysis (CBA) and its application in the construction sector.
LO3	Examine cost controlling techniques used on government and private sector construction projects from preliminary estimate to detailed cost plan.
LO4	Appraise and classify the client and contractor perspective on commercial considerations of a building contract up to and including the final account whilst ensuring that ethical codes of conduct are implemented.
LO5	Critically examine loss and expense claims and analyse the financial implications on the final account process.
<b>Pre-requisite learning</b>	
<b>Module Recommendations</b>	
<i>This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named MTU module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</i>	
<b>Incompatible Modules</b>	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module. You may not earn additional credit for the same learning and therefore you may not enrol in this module if you have successfully completed any modules in the incompatible list.</i>	
No incompatible modules listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Requirements</b>	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed. You may not enrol on this module if you have not acquired the learning specified in this section.</i>	
No requirements listed	

**Module Content & Assessment**

**Indicative Content**

**Planning**

Land use, zoning, planning, county development plan and material changes to it.

**Cost Benefit Analysis**

Evaluate public capital expenditure in order to achieve optimum return. The benefits of using Public Private Partnership (PPP) for some types of developments.

**Cost Planning**

Using the Capital Management Framework for Public Works Contract for cost planning of preliminary estimates to cost plans. The use of cost analysis in controlling costs.

**Post Contract Financial Considerations**

Preliminary items, dayworks, variations, financial statements and cost value reconciliation statements.

**Loss and Expense Claims**

Grounds for claims, extension of time, client and contractor financial perspective.

**Assessment Breakdown**

	%
Course Work	100.00%

**Course Work**

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Written Report	Prepare cost plan for chosen development	1,2,3	50.0	Week 6
Written Report	Preparation and evaluation of a specified post-contract cost control activity.	4,5	50.0	Week 12

No End of Module Formal Examination

**Reassessment Requirement**

**Coursework Only**

*This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.*

**The institute reserves the right to alter the nature and timings of assessment**

**Module Workload**

<b>Workload: Full Time</b>				
<i>Workload Type</i>	<i>Workload Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Theory on course topics and worked examples.	3.0	Every Week	3.00
Tutorial	Application of workload content	1.0	Every Week	1.00
Independent & Directed Learning (Non-contact)	Review of lecture notes and recommended material.	3.0	Every Week	3.00
Total Hours				7.00
Total Weekly Learner Workload				7.00
Total Weekly Contact Hours				4.00
<b>Workload: Part Time</b>				
<i>Workload Type</i>	<i>Workload Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	Theory on course topics and worked examples.	2.0	Every Week	2.00
Independent & Directed Learning (Non-contact)	Review of lecture notes and recommended material.	5.0	Every Week	5.00
Total Hours				7.00
Total Weekly Learner Workload				7.00
Total Weekly Contact Hours				2.00

## Module Resources

### *Recommended Book Resources*

- Richard Kirkham 2014, *Ferry and Brandon's Cost Planning of Buildings*, 9th Ed Ed., Wiley-Blackwell [ISBN: 9781119968627]
- Keith Potts 2014, *Construction Cost Management*, 2nd Ed Ed., Routledge [ISBN: 9780415629133]

### *Supplementary Book Resources*

- Abdelhalim Boussabaine 2006, *Cost Planning of PFI and PPP Building Projects*, Routledge [ISBN: 9780415366229]

*This module does not have any article/paper resources*

### *Other Resources*

- Website: *Royal Institution of Chartered Surveyors*  
<http://www.rics.org>
- website: *Society of Chartered Surveyors Ireland*  
<http://www.scsi.ie>

**Module Delivered in**

<b>Programme Code</b>	<b>Programme</b>	<b>Semester</b>	<b>Delivery</b>
CR_CQTSU_8	<a href="#"><u>Bachelor of Science (Honours) in Quantity Surveying</u></a>	6	Mandatory
CR_CCECO_7	<a href="#"><u>Bachelor of Science in Quantity Surveying</u></a>	6	Mandatory