

Module Title:	Design Economics
Language of Instruction:	English
Credits:	5
NFQ Level:	8
Module Delivered In	1 programme(s)
Teaching & Learning Strategies:	Lectures Private study
Module Aim:	The aims of the subject are: (1) to develop a greater knowledge of the costs associated with construction and management of buildings (2) to develop a greater knowledge of the costs associated with the construction and management of a building (3) to teach cost analysis, cost planning, cost modelling and value management skills; (4) to develop an understanding of the interrelationship of building costs and costs-in-use

Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	critically evaluate and effectively carry out an economic appraisal
LO2	to demonstrate an appreciation of and effectively participate in Cost Analysis, Cost Planning, Cost Modelling, Life Cycle Costing and Value Management work
LO3	display an understanding of the impact of building design decisions on capital costs and costs-in-use
LO4	analysis, reflect and critically discuss cost benefit analysis and externalities
LO5	to demonstrate an understanding of taxation and grants within the Irish Construction Industry

Pre-requisite learning
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>
No recommendations listed
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>
No incompatible modules listed
Co-requisite Modules
No Co-requisite modules listed
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>
No requirements listed

Module Content & Assessment

Indicative Content
(1) Project Feasibility (a) Appraisals (Developers, Residual, Feasibility), Developers Brief (b) Cost of Capital (c) Time Value of Money (d) Cost Benefit Analysis
(2) Design Economics (a) Design and Quality Economics (b) Cost Plan (c) Life Cycle Costing (Theory) (d) Value Management and Value Engineering (e) Bench Marking
(3) Capital Taxation (a) Taxation (b) Grants (c) Capital Allowances (d) VAT

Assessment Breakdown	%
Project	60.00%
End of Module Formal Examination	40.00%

No Continuous Assessment

Project				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	No Description	1,2,3,4,5	60.00	Sem 1 End

No Practical

End of Module Formal Examination				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	No Description	2,3	40.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	4.00
Estimated Learner Hours	12 Weeks per Stage	6.42
Total Hours		125.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMQSU_B	Bachelor of Science (Honours) in Quantity Surveying	7	Mandatory