Module Title:	Capstone Project
Language of Instruction:	English

Credits:	10

NFQ Level:	7

Module Delivered In	1 programme(s)

Teaching & Learning Strategies:	Lectures Practicals Site Visits Private study Project work

Module Aim:	The aim of the Project is to provide the student with the opportunity to apply the knowledge and skills learned on the programme to solve a construction or real estate problem, and in doing so extend the student's experience in problem solving, communication, teamwork, project management and interaction with industry.

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

LO1	Have developed problem solving abilities by identifying the problem/s and proposing both standard and innovative built environment solutions for a realistic development / re-development project
LO2	Have developed critical thinking by evaluating the proposed solutions in terms of time, cost, quality, safety and compliance with legislation / regulations
LO3	Apply technical knowledge and skills from other programme modules to the proposed solution including the application of BIM where appropriate and the formulation of a business viability report
LO4	Have developed team skills by participating effectively at all levels within a team
LO5	Have developed project, time management, project reporting, report writing, presentation, peer evaluation and project defence skills in completing the research project and the production of a technical report

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
Creativity & Problem Solving a) Generating Creative Ideas; b) Key Principles for Encouraging Creativity; c) Linking Problems & Solutions; d) Defining Problems; e) Problem Solving; f) Evaluating and Selecting Ideas in a Group;
Critical Thinking a) Interpreting express and implied meanings; b) Thinking logically; c) Formulating problems clearly and precisely; d) Gathering and assessing relevant information ; e) Using abstract ideas to interpret it effectively; f) Coming to well-reasoned conclusions and solutions ; g) Testing conclusions & solutions against relevant criteria and standards; h) Recognizing and assessing assumptions, implications, and practical consequences ; i) Communicating effectively with others in figuring out solutions to complex problems;
Working in Teams a) Purpose and value of teams; b) When teams are appropriate and when they are not; c) Team formation and operation; d) Dealing with Extrovert / Introvert team members; e) Phases of team building & understanding negative team processes; f) Team conflict resolution; g) Team talent management; h) Effective evaluation techniques; i) Application of team building activities
Outline Project Brief a) Teams of 4/5 students; b) Outline proposals for development / re-development of a property; c) Promote competition between teams; d) Team proposals evaluated on basis of technical feasability, innovation and economic feasability
Personal Development a) Time Management b) Presentation Skills c) Interview Skills d) Academic / technical writing skills
Building Information Modelling Assistance Use of BIM to support the Capstone Project

Assessment Breakdown	%
Project	100.00%

No Continuous Assessment

Project				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	No Description	1,2,3,4,5	100.00	Sem 1 End

No Practical

No End of Module Formal Examination

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

Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	30 Weeks per Stage	0.00
Practicals	30 Weeks per Stage	0.00
Estimated Learner Hours	30 Weeks per Stage	3.67
	Total Hours	110.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMBSE_D	[Bachelor of Science in Construction Management with Buildings Services](#)	5	Mandatory