CONT C3G01: Set Construction 3

Module Title:	Set Construction 3
Language of Instruction:	English

Credits:	5

NFQ Level:	7

Module Delivered In	2 programme(s)

Teaching & Learning Strategies:	Lectures Tutorials Private study

Module Aim:	The aim of this module is to provide the student with the opportunity to apply the knowledge and skills learned on the programme to research, develop, and construct a set to a predesigned brief (3 briefs), and in doing so extend the student's experience in problem solving, communication, teamwork, project management and interaction with industry. The student will also be introduced to the uses of 3D printing in set construction.

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
LO6	Have developed a knowledge of the uses of 3D printing in set construction

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

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Module Content & Assessment

Indicative Content
(1) 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..
(2) 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;
(3)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
(4) 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 feasibility, innovation and economic feasibility
(5) Personal Development a) Time Management b) Presentation Skills c) Interview Skills d) Academic / technical writing skills
(6) Building Information Modelling: a) Assistance Use of BIM to support the Set Construction 3 Projects
Introduction to £d printing (a) demonstrations of 3D printing (b) basic applications of 3D printing

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

Continuous Assessment

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Case Studies	research, develop, and construct a set to a predesigned brief (3 briefs), and in doing so extend the student's experience in problem solving, communication, teamwork, project management and interaction with industry.	1,2,3,4,5	40.00	n/a

No Project

No Practical

End of Module Formal Examination

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Formal Exam	n/a	1,2,3,4,5	60.00	End-of-Semester

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

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	12 Weeks per Stage	2.00
Tutorial	12 Weeks per Stage	2.00
Estimated Learner Hours	12 Weeks per Stage	4.00
	Total Hours	96.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CGSDC_B	Bachelor of Science (Honours) in Set Design and Construction	5	Mandatory
CW_CGSDC_D	Bachelor of Science in Set Design and Construction	5	Mandatory