

Module Title:	Set Construction 2
Language of Instruction:	English
Credits:	5
NFQ Level:	6
Module Delivered In	2 programme(s)
Teaching & Learning Strategies:	Lectures Tutorials Private study
Module Aim:	The aims of the module are: (1) to provide students with a knowledge of the techniques, methods and practices used in the construction of buildings; (2) To introduce students to the concept of sustainable building. To provide an awareness and understanding of the functions and requirements for external, internal works and roofs. 3. To create an understanding of superstructure and the performance requirements of framed buildings, external envelope & elements within the internal environment. 4. To provide an understanding of materials, properties, junctions and their interaction with modern construction techniques

Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	to describe and illustrate how the walls, roofs and ground floors of buildings are constructed and how the internal space in buildings is divided by partitions and floors
LO2	To interpret, explain, illustrate, and apply an understanding of substructure, & foundations systems.
LO3	To describe, explain, illustrate and apply an understanding of superstructure and the performance requirements of framed buildings, external envelope & elements within the internal environment.
LO4	To describe, explain, illustrate and apply an understanding of materials, properties, junctions and their interaction with Traditional and modern construction techniques

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) External works.

a) External paving systems, types and finishes b) External access to the building level access and ramps.

2) Roofs.

(a) Pitched roofs, (b) Flat roofs. (c) Insulated metal roofing systems. (d) Timber flat roofs.(e) Metal decking. (f) Green roofs. (g) Waterproofing. (h) Insulation requirements(i) Prefabricated roof systems. (j) Cassette systems.

3) Internal Works.

2. Stairs I. R.C. Cast in situ. II. R.C. Prefabricated III. Timber stairs. IV. Metal stairs. 3. Walls I. Partition systems. 4. Joinery I. Internal doors. II. Internal glazed screens, windows, doors, door frames.

Practical Scale Work

(a) Building practice: setting out shallow/ deep strip foundations, masonry walling, roofs and floors. (b) Materials handling and storage (c) Site safety. (d) Site visit to housing site (e) Freehand Sketching Section through external wall and roof Fireplace details. Window and door schedule. Stair details Roof details.

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

No Continuous Assessment

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	A number of small module related projects, both practical and academic	1,3,4	40.00	n/a

No Practical

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	No Description	1,2,3,4	60.00	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	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	4	Mandatory
CW_CGSDC_D	Bachelor of Science in Set Design and Construction	4	Mandatory