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| <b>Module Title:</b>                       | Set Construction 5   |
| <b>Language of Instruction:</b>            | English  |
| <b>Credits:</b>                            | 10   |
| <b>NFQ Level:</b>                          | 8  |
| <b>Module Delivered In</b>                 | <a href="#">1 programme(s)</a>   |
| <b>Teaching &amp; Learning Strategies:</b> | Lectures Tutorials Private study   |
| <b>Module Aim:</b>                         | The aim of this elective 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. |

| Learning Outcomes   |   |
|---|---|
| <i>On successful completion of this module the learner should be able to:</i> |   |
| 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  |

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

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

### Continuous Assessment

| Assessment Type | Assessment Description  | Outcome addressed | % of total | Assessment Date |
|-----------------|---|-------------------|------------|-----------------|
| Project         | Research, develop, and construct a set to a predesigned brief aligned with their Creative Project 2, 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         | 100.00     | n/a             |

No Project

No Practical

No End of Module Formal Examination

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

**Module Workload**

| <b>Workload: Full Time</b> |                  |  |
|----------------------------|------------------|--|
| <i>Workload Type</i>       | <i>Frequency</i> | <i>Average Weekly<br/>Learner Workload</i> |
| Practicals                 | Every<br>Week    | 3.00                                       |
| Total Hours                |                  | 3.00                                       |

**Module Delivered In**

| Programme Code | Programme  | Semester | Delivery  |
|----------------|--|----------|-----------|
| CW_CGSDC_B     | <a href="#">Bachelor of Science (Honours) in Set Design and Construction</a> | 8        | Mandatory |