Module Title:	Design Dissertation
Language of Instruction:	English

Credits:	5

NFQ Level:	8

Module Delivered In	1 programme(s)

Teaching & Learning Strategies:	Teaching varies from lectures, demonstrations, presentations, one-to-one practical reviews/tutorials and project crits and presentations. Students present their work to their peer group at various stages in the dissertation project. The presentation / crits provide students with direct feedback from teaching staff and fellow classmates. Students submit work and receive marked up feedback from tutors. The studio environment supports project-based learning to assist students to develop research skills to an advanced level in the context of an academic research dissertation. The technical study trip in semester 2 is used to provide the students with examples of best practice in real-life scenarios. Students visit, study, record and appraise the building visited on the technical study trip, this allows the students to experience and witness specialist building interventions and the latest and advanced technical/technological innovations within in the building industry.

Module Aim:	1. To create an academic and technical document that is referenced and focused on the built environment and architectural technology. The dissertation is linked to the Studio 4 semester 1 and Studio 4 semester 2. Marks are allocated in both modules. 2. The knowledge of research methods appropriate in the practice of Architectural Technology to apply and extend their research knowledge and skills learned in the course to critically analyse and evaluate technical/technological design solutions to address specific issues related to the field of Architectural Technology 3. To demonstrate their ability to carry out independent research and development work and to gain experience at managing a substantive piece of research work. 4. To develop written and verbal communication skills for an academic research document. 5. Students should link and test the dissertation proposals in either one the studio projects Studio 4 semester 1 Studio 4 semester 2. To support your research investigations, students should test any findings/ observations by using calculations, tables, charts, graphs, statistics, drawings, sketches, and technical details.

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

LO1	The ability to synthesize and integrate complex information in a precise and coherent manner to produce a technical report of professional standards
LO2	To undertake systematic research and critical evaluation of the body of available technical information and evidence on a chosen subject to substantial depth.
LO3	To search, select and critically assess literature and material relevant to a chosen area;
LO4	to communicate effectively in writing a programme of work and, orally defend the research in a logical, precise and coherent manner; to demonstrate ability to exercise judgment, independent thought, initiative, intellectual achievement, understanding of the chosen subject matter, and the principles being applied to develop.
LO5	Students should link and test your dissertation proposals in either one the studio projects Studio 4 semester 1 Studio 4 semester 2. To support your research investigations, students should test any findings/ observations by using calculations, tables, charts, graphs, statistics, drawings, sketches, and technical details.

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

10506	PRAC	Studio 4a
10508	PRAC	Studio 4b

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

Dissertation overview
The aim of this dissertation is to produce a balanced academic discussion in well organised dissertation / technical report of up to 8000 words. The student is required to demonstrate her/his understanding & ability to analyse, reflect upon, synthesise, and discuss a specific topic/ subject/ technology associated with technical architectural design & the wider built environment in an academic context. The subject should be agreed with the course tutors. Choose a topic that enhances the built environment & that you are interested in. The chosen subject can be analysed from a variety of viewpoints including architectural positions, regulatory influences, technical & technological considerations, or influential projects to develop it into a well-illustrated technical design dissertation, containing the following elements: • Literature review. • Use of internal and external resources. • Research element. • Theoretical & technical analysis. • Validation of new and emerging techniques that have been researched. • Interpretation of results.

Assessment Breakdown	%
Continuous Assessment	10.00%
Project	90.00%

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Presentation	Dissertation development: Literature Review & presentation of information and progress to the students peer group.	1,2,3,4	5.00	Sem 1 End
Presentation	Dissertation development: Conclusions final draft & presentation of information and progress to the students peer group.	1,2,3,4,5	5.00	Sem 2 End

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	The aim of this dissertation is to produce a balanced academic discussion in well organised dissertation / technical report of up to 8000 words. The student is required to demonstrate her/his understanding & ability to analyse, reflect upon, synthesise, and discuss a specific topic/ subject/ technology associated with technical architectural design & the wider built environment in an academic context. The subject should be agreed with the course tutors.	1,2,3,4,5	90.00	End-of-Semester

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*
Lecturer Supervised Learning	12 Weeks per Stage	4.00
Independent Learning Time	12 Weeks per Stage	6.42
	Total Hours	125.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMARC_B	Bachelor of Science (Honours) in Architectural Technology	8	Mandatory