

Module Title:	Technical Design & Detailing III
Language of Instruction:	English
Credits:	20
NFQ Level:	7
Module Delivered In	No Programmes
Teaching & Learning Strategies:	<ul style="list-style-type: none"> • Studio-based project & problem-based learning to develop the learners' problem-solving methodology to an advanced level, in an architectural technology context, with one-to-one reviews/tutorials and group/class 'crits' to provide student feedback • Group/team work utilised as appropriate
Module Aim:	<ul style="list-style-type: none"> • To provide learners with opportunities to apply & integrate knowledge gained in the other modules • To assist learners in developing a comprehensive knowledge of the building fabric for commercial, refurbishment & framed/clad buildings • To continue to introduce learners, through site visits & invited speakers, to leading edge issues in contemporary architectural technology • To bring to a high level and confirm amongst learners the necessary approach for a technical architectural designer, including consideration and synthesis of construction, legislative, environmental and sustainability issues and to ensure that this approach is consistently applied through research & brief analysis, consideration of options and clear presentation of preferred solutions • To prepare learners for working life and/or further study and to bring to a high level and confirm amongst learners working methods that encourage lifelong learning & development • To prepare learners for professional accreditation
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	<ul style="list-style-type: none"> • Effectively research fit-outs, energy upgrade/refurbishment and framed buildings of medium/large size & complexity to use as precedents for his/her own work (in conjunction with module Evolution of Buildings & Technologies)
LO2	<ul style="list-style-type: none"> • Research & apply the latest construction and building services strategies to provide a low-energy building, employing appropriate materials, systems & strategies in a holistic manner (in conjunction with modules Building Technology, Materials & Structures and Building Services)
LO3	<ul style="list-style-type: none"> • Survey and assess an existing small to medium scale building in relation to the existing fabric, condition and basic services
LO4	<ul style="list-style-type: none"> • Prepare detailed design proposals to apply and assess compliance with the Building Regulations for both new and conservation work, particularly Parts B, K, L, & M (in conjunction with module Architectural Practice & Legislation)
LO5	<ul style="list-style-type: none"> • Prepare & present architectural technology work with a high level of graphical, verbal & written communication skills, both manual & software based (in conjunction with module Graphics, CAD & BIM)
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

No indicative content

Assessment Breakdown

	%
Project	100.00%

No Continuous Assessment

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	<ul style="list-style-type: none"> Formative assessment given through one-to-one reviews/tutorials and group/class 'crits' & reviews Group & individual presentations Structured marking of projects, involving allocation of marks for: - Research - Consideration of options/sketch work - Final drawings, details & specifications 	1,2,3,4,5	100.00	n/a

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		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Practicals	30 Weeks per Stage	8.00
Estimated Learner Hours	30 Weeks per Stage	12.00
Total Hours		600.00

