ARCH C1502: Studio 1b

Module Title:	Studio 1b
Language of Instruction:	English

Credits:	10

NFQ Level:	6

Module Delivered In	2 programme(s)

Teaching & Learning Strategies:	• Engagement with tutors in the Studio/office environment; group-working with fellow students • Utilising the freehand drawing process and other media as a means of problem-solving and communicating information • Individual consultation with tutors and group tutorials • Critiques of work in progress and feedback to students • Various study trips to carefully chosen site/building visits; pre-visit tutorial to brief the purpose of the visit, and work to be carried out 'on site'.

Module Aim:	This is the principal architectural technology module and approach has 2 aims: 1. Introduce students to the Culture of Architecture and the Built Environment examining: • Space standards and Physical Comfort, • Resources and Efficiency of use • Cultural, Physical and Regulatory context The students will explore traditional and alternative construction methods / details and will apply them in this module, while incorporating material from associated lecture subjects also. 2. Introduce students to the Culture of the Design; Detail and Construction process and its use of drawings, models, schedules and specifications. Working primarily with drawings, the students will develop skills necessary to : • Explore ideas and possibilities • Describe general arrangements & proposals • Define detail for pricing & construction purposes

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	Explore ideas and possibilities, resolve simple technical design issues through use of Freehand sketches (NTS and to scale) and to maintain a record of that exploration & decision making process (e.g. the Workbook)
LO2	Describe general proposals for a simple building through use of Freehand sketches, master plans and Revit/CAD drawings and to submit a comprehensive, cross referenced set of general arrangement drawings
LO3	Define technical details for tender & contract purposes through use of master plan and Working drawings in Revit/CAD and submit an integrated set of working drawings complete with schedules & specification as required for building type being studied.
LO4	Explore, resolve and integrate the Structural, Weathering and Thermal factors in their technical design solutions
LO5	Incorporate suitable Space Standards, Universal design principles and relevant Building Regulations in their proposals and demonstrate an understanding of efficient use of resources, all as suited to the building type being studied

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
Overview Studio Projects focusing on drawing & technical issues as follows: • Studio project to develop Drawing Skills e.g. Architectural Drawing Conventions (plan, section, elevation and use of scale) • Studio projects to develop Technical Detailing Skills e.g. Exploration of Traditional Technical Solutions for domestic scale Masonry and timber frame construction. Preparation of comprehensive reference set of detail drawings of traditional technical solutions for domestic scale Masonry and timber frame construction • Studio projects requiring students to deliver an Energy Efficient House proposal, in accordance with general principles of Sustainable design, in compliance with TGDs and principles of Universal access, while also taking lecture subject material and alternative technologies into consideration as appropriate e.g. Building Technology; Services; Structures and Materials; Surveying and Recording; Revit, CAD and Info Tech. Studio project headings as follows: o Site Layout & Planning o General House Arrangement Planning Application Submission Stage o External Envelope Details & Structure o Services Layout Tender Document Submission Stage

Assessment Breakdown	%
Project	100.00%

No Continuous Assessment

Project				
Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	Studio Projects	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

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	12 Weeks per Stage	8.00
Estimated Learner Hours	12 Weeks per Stage	13.00
	Total Hours	252.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CMARC_B	Bachelor of Science (Honours) in Architectural Technology	2	Mandatory
CW_CMART_D	Bachelor of Science in Architectural Technology	2	Mandatory