BLDR: Conservation and Adaption

Module Title:	Conservation and Adaption
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 detail reviews/tutorials and project crits and presentations. Students present their work to their peer group at various stages in the projects. The presentation / crits provide students with direct feedback from teaching staff and fellow classmates. The studio environment supports project-based learning to assist students to develop skills as innovators & problem solvers to an advanced level. Students learn by doing while completing a measured survey, condition report and conservation report for an historic building / protected structure. Technical study trips are used to provide the students with best practice examples of real-life scenarios. Students visit, study, record, measure and appraise a local historic building / protected structure, this allows the students to experience and witness specialist building interventions and the latest and advanced technical/technological innovations within in the building industry. In this module the focus is on historic buildings and protected structures.

Module Aim:	The aim of this module is: To develop a greater knowledge of our architectural heritage and develop an understanding of the traditional materials & technology associated with it, as well as an understanding of conservation principles, Irish planning legislation & best international practice models. 1. To introduce student's conservation principles and current Legislation and be able include within a conservation report and a planning application. Provide students with an awareness of the changing nature and increasing complexity of the legal and regulatory environment for protected and historic structures, and to be aware of the necessity to seek specialist advice or update knowledge from accredited sources, as appropriate. 2. Introduce students to the recording of historic building fabric for the purpose of a conservation report, using measured survey processes and survey drawings, photographs, and sketches. 3. To introduce students to the research and recording of the fabric of a historic building and to seek information from accredited sources. This information will be included in a conservation report. 4. Introduce students to the process of recording the condition of an historic building and the general care & maintenance for inclusion in a conservation report. 5. To introduce students to traditional building materials and construction techniques; with consideration for the history and evolution of construction technology; and the theory, principles, and science in the technical design process.

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	To have knowledge of conservation principles and current Legislation and be able include within a conservation report and a planning application. To have knowledge of the changing nature and increasing complexity of the legal and regulatory environment for protected and historic structures, and to be aware of the necessity to seek specialist advice or update knowledge from accredited sources, as appropriate.
LO2	Have the knowledge to record historic building fabric for the purpose of a conservation report and planning application, using measured survey processes and survey drawings, photographs, and sketches.
LO3	To have the knowledge to research historic building fabric and to seek information from accredited sources and include in a conservation report and planning application.
LO4	Have the knowledge to describe an historic building's condition, general care & maintenance for inclusion in a conservation report and planning application.
LO5	To have the knowledge of traditional building materials; the history and evolution of construction technology; and the theory, principles, and science in the technical design process.

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
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
Lecture materials (a) • History & Evolution of Architecture & Technology National Inventory of Architectural Heritage (Methodology, Content and Role in terms of Irish Architectural Heritage) Historic Maps, Photographs and other reference sources (b) • Conservation Principles & Legislation Irish Planning Legislation Local Authority Record of Protected Structures Architectural Heritage Protection: Guidelines for Local Authorities and RIAI Conservation Guidelines (c) • Materials & Technology of Historic Building Fabric Materials & Technology from different historic eras Material Types and their Uses in Irish Historic Buildings e.g. Stone; Brick; Lime; Metals; Timber; Glass etc. General Care & Maintenance of these materials
Studio based learning (with reference to Studio 4 semester 1 project) Practical support and one to one teaching in a studio-based environment to support the development of the two projects. Project 1 the conservation report contains the following, appraisal of existing building fabric. Walls, roof, floors, windows, doors etc. Historical appraisal- Cartographic and photographic analysis. Proposed development & associated design statements, Conservation method statements. With appendices for photographic survey, freehand survey sketches, existing survey drawings, proposed drawings, application of conservation principles, supporting case studies, materials research & building regulation compliance. Project 2 Practical recording of historical technology through drawings and presentations.

Assessment Breakdown	%
Continuous Assessment	20.00%
Project	80.00%

Continuous Assessment

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Case Studies	Project 2 Practical recording of historical technology. Students to create drawings and make presentations that record traditional technology and construction techniques for historic or protected structures with reference to the conservation report. Students will use sketches, REVIT and other graphical software's to create the work. The project is linked to studio 4 project semester 1 module & BIM & representation 1 module in semester 1.	2,3,4,5	20.00	Week 11

Project

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	Project 1.Create a conservation report. The report is also linked to studio 4 project semester 1 module & BIM & representation module in semester 1. The report is assessed in each module. The conservation report should contain the following, Appraisal of existing building fabric. Walls, roof, floors, windows, doors etc. Historical appraisal- Cartographic and photographic analysis. Proposed development & associated design statements, Conservation method statements. With appendices for photographic survey, freehand survey sketches, existing survey drawings, proposed drawings, application of conservation principles, supporting case studies, materials research & building regulation compliance.	1,2,3,4,5	80.00	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

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	12 Weeks per Stage	1.00
Studio Based Learning	12 Weeks per Stage	3.00
Estimated Learner Hours	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	7	Mandatory