APPROVED

ARCH8003: Adapt & Reuse: Strategies

Module Details

Module Code:	ARCH8003
Title:	Adapt & Reuse: Strategies APPROVED
Long Title:	Adapt & Reuse: Strategies
NFQ Level:	Intermediate
Valid From:	Semester 1 - 2016/17 (September 2016)
Duration:	1 Semester
Credits:	5
Field of Study:	5810 - Architecture & Urban Environment
Module Delivered in:	6 programme(s)
Module Description:	Adaptation and Reuse strategies for retrofit: this module investigates the design, history, theory, principles and development of concepts of reuse, renovation, restoration, conservation and preservation.

Learning Outcomes	
On successful completion of this module the learner will be able to:	
#	**Learning Outcome Description**
LO1	Integrate principles of adaption and reuse.
LO2	Respond to existing built form.
LO3	Develop appropriate solutions for older buildings.
LO4	Create design strategies for building adaption or intervention.

Dependencies
Module Recommendations
Incompatible Modules
Not Applicable
Co-requisite Modules
No Co-requisite modules listed
Requirements
Not Applicable

Indicative Content
Principles and Theory Adaptation Reuse Principles and Theory in the context of precedent studies and international best practice. Classification of buildings and existing building stock. Expectations and requirements of buildings. Sustainability and adaptative reuse.
Historical Building Methods and Details History and evolution of construction technology - includes the dating of buildings on the basis of the technologies used in their construction. Key elements of buildings, and their evolution and development through history. Building inspection and report..
Strategy/Building Pathology Building pathology, and its relevance in adaptation and reuse. Understanding building performance. Developing strategies and solutions to deal with inherent problems in older buildings. Identifying the major contributors to a buildings overall visual character. Understanding building materials, both old and new and their uses. Causes of defects damage and decay. Common defects in older buildings, Design strategies for older buildings. Developing strategies that address technical function and criteria.
Survey and Assessment Fault finding and defect assessment , Building survey and inspection. House inspection and report writing. Non-destructive survey techniques. Limitations of existing building, finding the right use for a building. Impact of maintenance on the lifespan of buildings. Principles of building repair.

Module Content & Assessment

Assessment Breakdown	**%**
Coursework	100.00%

Assessments

Coursework			
Assessment Type	Project	**% of Total Mark**	50
Timing	Week 7	**Learning Outcomes**	1,2,4
Assessment Description Design strategy focused on existing building fabric.			
Assessment Type	Project	**% of Total Mark**	50
Timing	Sem End	**Learning Outcomes**	1,3,4
Assessment Description Design strategy focused on building components and details.			

No End of Module Formal Examination

Reassessment Requirement
Coursework Only *This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.*

Module Workload

Workload: Full Time					
Workload Type	*Contact Type*	*Workload Description*	*Frequency*	*Average Weekly Learner Workload*	*Hours*

Lecture	Contact	Class based instruction	Every Week	3.00	3
Independent & Directed Learning (Non-contact)	Non Contact	Research and development of project work	Every Week	4.00	4
				Total Hours	7.00
				Total Weekly Learner Workload	7.00
				Total Weekly Contact Hours	3.00

Workload: Part Time					
Workload Type	*Contact Type*	*Workload Description*	*Frequency*	*Average Weekly Learner Workload*	*Hours*
Lecture	Contact	Class based instruction	Every Week	3.00	3
Independent & Directed Learning (Non-contact)	Non Contact	Research and development of project work	Every Week	4.00	4
				Total Hours	7.00
				Total Weekly Learner Workload	7.00
				Total Weekly Contact Hours	3.00

Module Resources

Recommended Book Resources

(2013), Practical Building Conservation! Conservation Basics, English Heritage, [ISBN: 978-0754645511].

Michael Forsyth, Lisa White. (2011), Interior Finishes and Fittings for Historic Building Conservation, Wiley-Blackwell, [ISBN: 978-1405190220].

Department of the Environment. (1995), Conservation Guidelines, Stationery Office, Dublin.

Fieldon,B M. (2003), Conservation of Historic Buildings, Blackwell, [ISBN: 0750658630].

Grover, Howard. (2007), Architectural conservation : principles and practice, Specialist Books, [ISBN: 06320406234].

J. Myrick Howard. (2007), Buying time for heritage, [ISBN: 0807858684].

ICOMOS. (1999), Guide to Reading Historic Buildings, Butterworths.

Jukka Jokilehto. (1999), A history of architectural conservation, [ISBN: 0750655119].

Oireachtas. (2000), Local Government (Planning and Development) Act, Stationery Office.

Supplementary Book Resources

Department of the Environment. (2001), Local Government (Planning and Development) Regulations, Stationery Office, Dublin.

Duchas/DoEHLG. (2006), Architectural Heritage Protection - Guidelines for Planning Authorities, Stationery Office, Dublin.

This module does not have any article/paper resources

This module does not have any other resources

Module Delivered in

Programme Code	Programme	Semester	Delivery
CR_CARCT_8	Bachelor of Science (Honours) in Architectural Technology	-1	Elective
CR_CARCT_8	Bachelor of Science (Honours) in Architectural Technology	-1	Elective
CR_CARCT_8	Bachelor of Science (Honours) in Architectural Technology	-1	Elective
CR_TARCH_7	Bachelor of Science in Architectural Technology	-1	Elective
CR_TARCH_7	Bachelor of Science in Architectural Technology	-1	Elective
CR_TARCH_7	Bachelor of Science in Architectural Technology	-1	Elective