

Title:	Int Arch Development Studio APPROVED
Long Title:	Interior Arch Development Studio
Module Code:	ARCH9006
Credits:	20
NFQ Level:	Expert
Field of Study:	Architecture & Urban Environment
Valid From:	Semester 1 - 2013/14 (September 2013)
Module Delivered in	1 programme(s)
Module Coordinator:	KATHERINE KEANE
Module Author:	KATHERINE KEANE
Module Description:	This Interior Architecture Design Studio Module facilitates the development of expertise in an individually directed focus in critical contemporary design challenges.
Learning Outcomes	
<i>On successful completion of this module the learner will be able to:</i>	
LO1	Plan a sustainable design from a self directed focus within contemporary challenges in interior architecture.
LO2	Create a complex sustainable design for a interior architecture project.
LO3	Integrate structural, construction, mechanical and electrical design requirements into a complex interior architecture design project.
LO4	Create a design that innovatively manages environmental response and human comfort in an interior architecture design project.
LO5	Evaluate legislation, planning and urban issues for interior architecture design.
LO6	Assess the impact of sustainable strategies upon design resolution.
Pre-requisite learning	
Module Recommendations	
<i>This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named CIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</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. You may not earn additional credit for the same learning and therefore you may not enrol in this module if you have successfully completed any modules in the incompatible list.</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. You may not enrol on this module if you have not acquired the learning specified in this section.</i>	
No requirements listed	
Co-requisites	
No Co Requisites listed	

Module Content & Assessment

Indicative Content

Preliminary Design Resolution

Develop design concept to satisfy project requirements, and other relevant information, develop sketch documents to enable further discussion and development of the design. Conceptual Design: Create the high-level design description; Identify major components; Feedback any derived requirements that result from the process; Resolve any omissions or errors; Test features that are necessary to meet performance and quality requirements; Identify constraints.

Design Testing

Design testing through appropriate simulation and/or life cycle assessment.

Design Development

Develop the design concept, fine-tune the design, making any changes required, through to the point where the Concept Design drawings meet the requirements of the design brief.

Mechanical & Electrical, Structural, Engineering Design Coordination & Integration

Integration of all engineering requirements into final design to develop high-performance/ sustainable project.

Environmental Response and Human Comfort

Integration of requirements for environmental response and issues of human comfort into final design to develop high-performance/ sustainable project.

Social, Economic, planning and Urban Conditions

Integration of requirements for social, economic, legislation, planning and urban conditions into final technical design to develop high-performance/ sustainable project.

Complete Interior Architecture Design

Complete integration and resolution of all components for self-directed Interior Architecture project.

Assessment Breakdown

%

Course Work

100.00%

Course Work

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Development of a complex individually directed Interior Architecture design project	1,2,3,4,5,6	85.0	Every Second Week
Written Report	An evaluation of the process.	1,2,3,4,5,6	15.0	Sem End

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.

The institute reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time

<i>Workload Type</i>	<i>Workload Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Tutorial	Studio critique	1.0	Every Week	1.00
Directed Learning	Studio learning	9.0	Every Week	9.00
Independent & Directed Learning (Non-contact)	Studio development	18.0	Every Week	18.00
Total Hours				28.00
Total Weekly Learner Workload				28.00
Total Weekly Contact Hours				1.00

Workload: Part Time

<i>Workload Type</i>	<i>Workload Description</i>	<i>Hours</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Directed Learning	Studio learning	9.0	Every Week	9.00
Tutorial	Studio critique	1.0	Every Week	1.00
Independent & Directed Learning (Non-contact)	Studio development	18.0	Every Week	18.00
Total Hours				28.00
Total Weekly Learner Workload				28.00
Total Weekly Contact Hours				1.00

Module Resources
<i>Recommended Book Resources</i>
<ul style="list-style-type: none"> • Sue Roaf, David Crichton and Fergus Nicol 2009, <i>Adapting Buildings and Cities for Climate Change</i>, Taylor and Francis [ISBN: 978-0750659116] • Clemens Richarz 2013, <i>Energy Efficient Refurbishments: New Strategies for Old Buildings</i>, Walter de Gruyter [ISBN: 9783920034904] • Karsten Voss, Eike Musall 2012, <i>Net Zero Energy Buildings: International Comparison of Carbon-Neutral Lifestyles</i>, Birkhauser [ISBN: 9783920034805]
<i>Supplementary Book Resources</i>
<ul style="list-style-type: none"> • Robert Crawford 2011, <i>Life Cycle Assessment in the Built Environment</i>, Routledge [ISBN: 978-0-415-55795-5] • Janet Cotterell, Adam Dadeby, 2012, <i>The Passivhaus Handbook</i>, Green Books [ISBN: 978-0857840196] • Ralph Horne, Karli Verghese, Tim Grant, 2009, <i>Life Cycle Assessment</i>, CSIRO Publishing [ISBN: 978-0643094529] • Chris Underwood & Francis Yik 2004, <i>Modelling Methods for Energy in Buildings</i>, Wiley Blackwell [ISBN: 978-0632059362] • John Ormsbee Simonds 1998, <i>Landscape architecture</i>, McGraw-Hill New York [ISBN: 978-0070577091] • Huw Heywood 2013, <i>101 Rules of Thumb for Low Energy Architecture</i>, RIBA Publishing [ISBN: 9781859464816] • Ian Ellingham 2013, <i>Whole Life Sustainability</i>, RIBA Publishing [ISBN: 9781859464502]
<i>This module does not have any article/paper resources</i>
<i>This module does not have any other resources</i>

Module Delivered in			
Programme Code	Programme	Semester	Delivery
CR_DINAR_9	Master of Science in Interior Architecture	2	Mandatory