

MODULE DESCRIPTOR

Module Title

Masters Studio 3 (Advanced Integrated Architectural Design)

Reference	ACM004B	Version	2
Created	July 2021	SCQF Level	SCQF 11
Approved	September 2020	SCQF Points	60
Amended	September 2021	ECTS Points	30

Aims of Module

To provide advanced level study in Architectural detail of significant issues which contribute to, and sustain, the ongoing Masters project.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Develop and apply advanced technologies and legislative frameworks to create design details that demonstrate clear and consistent evolution of architectural intentions.
- 2 Develop a critical understanding of advanced technologies including the climate change agenda and integrate them to create a consistent and advanced architectural expression.
- 3 Demonstrate a critical understanding of your integrated philosophical approach to your design project.
- 4 Communicate design intentions effectively by oral presentation and multi-media techniques at an advanced level.
- 5 Undertake independent learning via Personal Professional Development in the area, to learn skills and knowledge in theory and practice enabling students to gain self-awareness as a developing learner and to plan actions that will enhance personal and career development.

Indicative Module Content

Students will carry out critical comparative analysis to resolve issues relating to technical specification of structural, constructional and environmental performance alongside addressing social, cultural, economic and sustainability issues and ensuring that the philosophical approach and aesthetic intentions of the design are sustained. Designs must demonstrate realisation within the context of contemporary architectural and professional practice while understanding the issue of build-ability and cost. Students will demonstrate a capacity to resolve competing issues to provide a valid and supportable design solution. Integrated Architectural Design may include : BIM production parametric systems / BIM generative systems customization Modern Methods of Construction (MMC) processes and facade design. Design for 2030/50 climate change agenda

Module Delivery

The module is delivered through the application of theory to design project work. This will include directed readings and presentations by visiting design and technical experts. The project work is supported throughout by tutorials and progress reviews.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	150	N/A
Non-Contact Hours	450	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	600	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4, 5
Description:	Final submission will consist of a portfolio. Clearly defined within the portfolio should be the integrated detail design development undertaken in the semester in each area. The submission will be Digital and include all portfolio material including all drawings, reports and preparatory work presented in the above pieces of work in high resolution PDF format. An Exhibition display of your project.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The overall module grade is based on 100% weighting of Component 1 (portfolio). An overall minimum grade D is required to pass the module. Non-submission will result in an NS grade.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A
B	B
C	C
D	D
E	E
F	F
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 Each specialist unit project brief will contain its own recommended reading list. Technical development texts will be suggested during the module.
- 2 Constructing Architecture Paperback - July 2018 (original 2008, Andrea Deplazes.
- 3 Modern Construction Handbook by Andrew Watts | 19 Nov 2018.
- 4 Smart Buildings: Technology and the Design of the Built Environment, Bakker, Ron 2020.
- 5 Design for Climate Change Gething, William with Puckett, Katie; Gething, William, 2013.
- 6 The Re-Use Atlas: A Designer's Guide Towards the Circular Economy Baker-Brown, Duncan, 2017.