

Module Specifications

Year/Level: 6
Programme: Architecture

Module:	Design Studio 3.1: Retrofitting	Module Code:	5CTA2047	Credits:	15
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Module Description:

Mandatory/Optional

The module explores the strategic role of the re-use of the existing built environment as the first step to a zero-carbon future. Retrofit is often more cost-effective than demolishing and reconstructing. It preserves heritage value for communities. Compared to a new building, a retrofitted one has a much lower footprint on the environment. Students will analyse an existing building, appraise its current architectural and structural conditions, and investigate its history and value to the community. Through the application of specific design strategies, students will be able to design proposals that fit a given brief and update the building to the current needs in terms of use, aesthetics, sustainability and technology. The module brings together

Module:	Design Studio 3.2 - Final Project	Module Code:	5CTA2048	Credits:	45
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Module Description:

Mandatory/Optional

The Final Project module focuses on the development of a holistic approach to design. As per its connection with the other modules undertaken during the year, students will demonstrate the ability to integrate their theoretical, technology and sustainability research into a comprehensive design proposal. Engaging with the overarching theme of the year, students are expected to develop their own final project, including the programmatic, aesthetical, social, structural, constructional and sustainable aspects. The final project should provide evidence of the student's ability to engage with critical analysis and concepts development to create design solutions that implement the understanding of the impact of the new intervention on cities and

Module:	Professional Studies	Module Code:	5CTA2049	Credits:	15
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Module Description:

Mandatory/Optional

This module introduces the students to practice, management and law topics related to the business of architecture. The module covers planning, building regulations, CDM (health and safety), construction contract tendering, project planning and programming. The module investigates the purpose of the processes in the construction industry and society, some background, then the mechanics of the process and the architect's part in this. The relationships with other parties in the project and society are discussed. The talks relate to current practice including a view of expected change to come. This module is linked to the students' Design Studio work for a practical application of Professional Studies.

Module:	Design Technology and Sustainability 3	Module Code:	5CTA2050	Credits:	15
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Module Description:

Mandatory/Optional

This module is dedicated to the development of a comprehensive understanding and exploration of advanced building technology aspects in relation to the Final Project module. With a particular focus on sustainability, life-cycle assessment and embodied carbon, this module provides the opportunity for self-initiated exploration of thematic cutting-edge technologies relating to design. Through a series of lectures, workshops and independent study, students will develop a portfolio of constructional details that integrate structural design, construction, and sustainability into their design studio. These could typically include case studies involving research and presentations of findings to peer groups, live project work (working on real

Module:	History and Theory of Architecture 3 - Dissertation	Module Code:	5CTA2051	Credits:	15
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Module Description:

Mandatory/Optional

This module intends to shape designers as informed practitioners who engage critically with their discipline, its history, the ideas which inform it and how it is likely to evolve in the future. This module will enable students to conduct an in-depth enquiry of an aspect of design culture with an emphasis on the analysis of appropriate social, cultural, economic, technical, historical and aesthetic issues linked to students' chosen topic and their Final Project work. The content of the module will be student-led and each student will bring their identified interests to the sessions. Independent learning will be supported through a programme of flexible study workshops, tutorials and learning support materials which will enable students to develop