

**Module Specifications**

Year/Level: 4  
 Programme: Architecture

<b>Module:</b>	Design Studio 1.1 – Design Principles	<b>Module Code:</b>	4FTC2171	<b>Credits:</b>	30
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**Module Description:**

**Mandatory/Optional**

This module introduces students to architectural design through the study of architectural masterpieces. Through the study, reproduction, and proposed alteration of these iconic pieces of architecture, students are introduced to the importance of aesthetics, context, brief and programme within the architectural design process. Students are encouraged to question and consider the importance that architecture plays in daily life and examine the power of spatial experience through their studio projects. This module allows students to understand and explore means of representing observations, explorations and proposals, and to become familiarised with architectural communication conventions.

<b>Module:</b>	Introduction to Technology and Sustainability	<b>Module Code:</b>	4FTC2173	<b>Credits:</b>	15
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**Module Description:**

**Mandatory/Optional**

This module introduces the students to the technological and environmental aspects of architecture: structure, material properties and behaviours, sustainability and environmental design. This module is the first opportunity for the students to investigate the role of the history and evolution of technology in shaping the built environment. Through a series of lectures, workshops, independent study, and tutorials students will understand the history and evolution of the technological and environmental aspects of architecture till nowadays.

<b>Module:</b>	Design Skills 1	<b>Module Code:</b>	4FTC2175	<b>Credits:</b>	15
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**Module Description:**

**Mandatory/Optional**

This module allows students to develop basic design skills such as hand drafting, CAD and other media, to assist in the visual communication and presentation of design ideas. Moreover, the module equips students with the tools to represent design concepts in 3D through physical modelling using various materials, and through using industry-standard basic software packages. 2D and 3D hand drafting, digital development and representation are explored through various methodologies in a series of given tasks. Assignments are designed to support the Design Studio modules and assist students in developing their communication skills and design process.

<b>Module:</b>	Design Studio 1.2 – Private House	<b>Module Code:</b>	4FTC2172	<b>Credits:</b>	30
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**Module Description:**

**Mandatory/Optional**

This module explores, through a large single-family dwelling, the basic design process and the role of the context in architecture for the consistent and logical development of a design proposal. Equally the students will be introduced to the importance to address a specific brief and considering a social response, that which constitutes culture and society. This module allows students to understand and explore means of representing observations, explorations and proposals. The students will elucidate the proposed strategy, programme, context, and position through their final submissions.

<b>Module:</b>	Design Technology and Sustainability	<b>Module Code:</b>	4FTC2174	<b>Credits:</b>	15
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**Module Description:**

**Mandatory/Optional**

This module is dedicated to developing a basic application of building technology aspects to the Design Studio 1.2 project. Students will be enabled to investigate for the first time the critical roles that building technology plays in the realisation of the design and execution of buildings. Through a series of lectures, workshops, independent study, and tutorials students will develop a portfolio of technical drawings, diagrams and reports showing the basic integration of technology and sustainability into their design schemes.

<b>Module:</b>	History and Theory of Architecture 1 - Introduction	<b>Module Code:</b>	4FTC2176	<b>Credits:</b>	15
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**Module Description:**

**Mandatory/Optional**

This module introduces students to the history and theories of Architecture intended as a vital component of innovative design. Students will be introduced to architectural history outside of the Western canon with a balanced representation in terms of gender, race and cultural context. Teaching and learning will support the Design Studio learning and will take the form of lectures, practical and theoretical seminars, visits and workshops. The module will enable students to begin to locate their design practice within a wider contextual, cultural and professional framework. To complement discipline-specific studies, this module aims to provide students with a repertoire of study skills of research, critical analysis and communication including academic conventions.