

Module Specifications

Year/Level: 5
 Programme: Architecture

Module:	Design Studio 2.1 – Public Building	Module Code:	5CTA2047	Credits:	30
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Module Description:

Mandatory/Optional

This module explores the design of public buildings. It considers the relationship between people and buildings and how users perceive, understand and experience the built environment. Exploring buildings in relation to the context, aesthetics, structures and technology students will investigate the impact of their designs on people and the associated cultural meaning. The module addresses user needs, accessibility, scale, hierarchy and structure. Projects will typically be set within an urban context and focus on the design of a public building. Students are required to draw out conceptual ideas from a study of specific historical, social and physical aspects of the given area and develop their work to produce a design in response to a brief. The

Module:	Design Studio 2.2: Urban Design	Module Code:	5CTA2048	Credits:	30
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Module Description:

Mandatory/Optional

This module explores societal aspects of architecture, the relationship between people, the city, and housing, and how users perceive and experience the built environment. Exploring urban context provides students with an understanding of the impact of their designs on existing places and communities. Students investigate the make-up of urban fabric, its networks and spaces, their place in context, and their cultural meaning. The module addresses user needs, scale and hierarchy, networks, accessibility, urban permeability and resilience. The sustainable housing projects are located within the urban context and focus on the analysis of an existing town. Students are required to draw out conceptual ideas from a study of specific historical,

Module:	Design Technology and Sustainability 2.1	Module Code:	5CTA2049	Credits:	15
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Module Description:

Mandatory/Optional

This module is dedicated to developing an advanced understanding of building technology aspects relating to the Design Studio 2.1, with a particular focus on the structural scheme, construction details and the associated building envelope parameters. Students are supposed to explore the economic aspects of building components and investigate their relationship with the whole. Through a series of lectures, workshops, independent study, and tutorials students are supposed to develop a portfolio of technical drawings, diagrams and reports showing the understanding of the structure, material properties, environmental and sustainable design strategies and their integration into the design studio. Teaching activities could typically

Module:	Design Technology and Sustainability 2.2	Module Code:	5CTA2050	Credits:	15
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Module Description:

Mandatory/Optional

This module is dedicated to developing an advanced understanding of building technology aspects relating to the Design Studio 2.2 project, with a particular focus on the impact of building technology on placemaking and urban scale developments. The sustainability and environmental parameters of the buildings are investigated in a more comprehensive way using industry-standard software packages. Students are introduced to building regulations, planning and legal requirements using their Design Studio 2.2 proposed scheme as a case study. Through a series of lectures, workshops, independent study, and tutorials students will develop a portfolio of technical drawings, diagrams and reports showing the understanding of the structure,

Module:	Design Skills 2	Module Code:	5CTA2051	Credits:	15
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Module Description:

Mandatory/Optional

This module aims to develop advanced design skills and explore the integration of digital editing, CAD, BIM and 3D modelling in their design process. Students will be expected to produce and present architectural drawings with different media, and have full control of file management, including large project files and folder management. This module prepares students with the confidence to create and manage files for 2D and 3D printing and plan files for digital fabrication. Students will be enabled to use professional printing devices, including plotters, 3D printers, CNC routers and laser cutters. Students will consider and implement various methods of drafting, notation, annotation and documentation using the conventional, computer or

Module:	History and Theory 2 of Architecture - People, Buildings	Module Code:	5CTA2052	Credits:	15
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Module Description:

Mandatory/Optional

This module allows students to see the history and theories of architecture at the wider urban scale as a vital tool to further innovative and well-informed design practice. With a specific focus on people, buildings and cities, students will be introduced to architectural history outside of the Western canon with a balanced representation in terms of gender, race and cultural context. Students will consider a range of theoretical positions that inform recent and contemporary design practices at the urban scale. Key areas include the various cultural perspectives that have shaped design practice, including innovation, technology and sustainability. The module will build upon the repertoire of study skills of research, critical analysis and communication established at Level 4. Teaching and learning will be integrated into studio modules and will take the form of lectures, practical and theoretical seminars, visits and workshops