

 Autumn, Level 4, Credits 5 Lectures on environmentally based construction, structural and material technologies starting with design principles with respect to material choices in structure and enclosure technologies. Overview of sustainable building principles, envelope technologies and the appropriate se...



 Autumn, Level 4, Credits 5 The course offers a series of small-group thematic seminars. One of these seminars is to be taken in order to explore throughreadings, fieldwork and presentation the evolution, production, perception, and innovation of the designed environment. Studies will engage with a range o...



 Autumn, Level 4, Credits 5 The intention of the Realising **Built Projects** module is to make students aware of the issues concerned with realising building projects, to arouse their curiosity, and understand the process accompanying a project from inception to completion. This knowledge should inform and enh...



 Spring, Level 4, Credits 15 The module is organised as a group of Design Research Studios within the overarching theme of LIVING and operating the principles of the New European Bauhaus under four group headings: Housing + City; Re-Use, Material + Embodiment, Landscape + Economy. The studios are conducted..



 Spring, Level 4, Credits 5 The course offers a series of small-group thematic seminars. One of these seminars is to be taken in order to explore throughreadings, fieldwork and presentation the evolution, production, perception, and innovation of the designed environment. Studies will engage with a range o...



 Spring, Level 4, Credits 5 This module covers the subjects of building procurement, contract, contract administrationand associated professional services, including- forms of procurement; building procurement (pre-tender and post-tender from inception to completion and operation); leadership, project coor.



 Autumn and Spring (separate), Level 4, Credits 10 The student prepares a Case Study (Dissertation) of 10-12,000 words (excl. appendices) based on their personal work experience, on-going involvement, assessment and analysis of an approved construction project, under supervision in an architectural practice. The student records



 Autumn and Spring (separate), Level 4, Credits 5 1. The student is required to spend a minimum of 24 months in paid employment in architectural practice under the supervision of an architect; this must be certified by the architect employer and approved by the school. (Refer also to Course Information). 2. During this time th...



 Spring, Level 4, Credits 5 This module is a broad introduction to architectural professional practice at post-graduate level, and includes the subjects of: the architectural profession & professionalism; ethics and codes of conduct; registration & regulation of architects; forms of practice, entrepreneursh.



 Spring, Level 4, Credits 5 This module includes areas of law and practice related to construction in Ireland, including- the legal framework (national and EU as it relates to construction and development); Planning & Development legislation (law, procedure and practice); Health & Safety legislation (law,



 Autumn, Level 4, Credits 5 The module sets out to provide a theoretical basis for the development of a critical approach to the conservation of the built environment. It describes the history of conservation of buildings, urban areas and historic landscapes. It also sets out to develop an understanding



 Spring, Level 4, Credits 5 In a mix of lectures and seminars, this module will explore key concepts and thinkers in Urban Design. The module is grounded in classic writings on the city, predominantly about the 20th-21st-century city, as a springboard for discussions so that each student can develop their ..



 Autumn, Level 4, Credits 5 The architectural qualification is primarily focussed towards preparing graduates for careers in architecture. The course leads to a professional qualification in architecture and is approved under the EU Directive on Freedom of Movement for Architecture, which is recognized by



 Summer, Level 4, Credits 90 A core objective of the urban design masters programme is to develop a body of research in urban design in Ireland, the culmination of which is the thesis. The research component of the programme provides a valuable resource for education and knowledge in urban design, nationall..

 Summer, Level 4, Credits 90 Summer, Level

4, Credits 5



 Year-long (12 months), Level 4, Credits 30 Architectural graduates are required to undertake professional practical experience as part of the Professional Diploma programme. One method of fulfilling this requirement is through the Work Placement module. Students undertake a work placement in architectural practice for tot...

 Year-long (12 months), Level 4, Credits 10 Under Construction...



 Autumn, Level 4, Credits 10 An individually supervised research project will be undertaken over the course of the trimester that explores some aspect of the designed environment. The research will engage with a range of pressures that have moulded the designed environment in the past and demand changes for ...



 Autumn, Level 4, Credits 5 This module focuses on Street Life and how to improve Understanding the delicate balance of engaging across scales (from a room to a city) this module will provide you with a range of methods/tactics to assess places at different scales. The objective is to support your inter...



 Autumn, Level 4, Credits 15 The aim of this module is to introduce students to contemporary and emerging research and practice in the field of urban design, undertaken as an analysis and redesign of a specific urban setting. The urban site varies each year in reference to topical concerns and is shared with...



 Spring, Level 4, Credits 15 This module provides the framework for the application of urban design and other theory to practice, and includes aspects of planning and law, together with current and emerging best practice case studies, and projective urban design....

Summer, Level
4, Credits
30



 Spring, Level 4, Credits 30 This programme places value on design-based research carried out within an active studio culture of constructive conversation. It is intended to provide encouragement and opportunity, within an academic environment, to rigorously explore and develop architectural intentions in



 Autumn, Level 4, Credits 5 This module includes all areas of law and practice related to construction in Ireland, including the Legal Framework, EU Issues (relating to Construction Legislation), Planning & Development Legislation (Planning Law, Procedure and Practice), Health & Safety Legislation (Law, Pro..



 Autumn, Level 4, Credits 5 This module covers the practice of building procurement, contract administration and associated professional services. This includes Building Procurement (pre-tender and post-tender from inception to completion and operation), Design Team and Consultants, Construction Contracts (...



 Autumn, Level 4, Credits 5 This module is a broad introduction to the course and includes the subjects of the Architectural Profession, History of Professionalism , EU Practice & Policy, Codes of Conduct, Registration of Title, Forms of Practice, The Construction Industry in Ireland, The RIAI (Royal Institu...



 Spring, Level 4, Credits 15 Building on the previous trimester s work, this studio module is structured to encourage further independent thinking, autonomous study and the development of critical skills in the study of landscape architecture. Studio staff set a theme or project to direct thinking and studen...



 Summer, Level 4, Credits 30 This module entails the completion of a programme of personal study and research on a selected landscape topic. Working under the guidance of a tutor, students develop their thesis over the third (summer) trimester submitting a written and graphical document that demonstrates ad...



 Spring, Level 4, Credits 5 The basis for this project is to experiment with the design and construction of a small building or building component, in a manner that is linked to the possibility of self building. As such, we will be working with partners who will provide the brief and building materials for...



 Spring, Level 4, Credits 5 Most conventional concrete mixes, as specified by European Standards, are based on performance criteria for strength, durability, weight or other engineering characteristics. Architects are left with the choice of colour or surface texture. But our role could be greater than this...



 Spring, Level 4, Credits 10 The aim of this module is to raise awareness of and develop a range of skills pertinent to building energy and environmental performance and evaluation. Workshops will be provided on a range of topics to provide students an array of exploratory and investigative skills and techni...



 Summer, Level 4, Credits 5 The International Architecture Summer School has been established to give an introduction to the Architecture, Art and Culture of Dublin. It also gives the opportunity to enhance and the students are encouraged to challenge their knowledge of Architecture and Urban Design of the ...



 Autumn and Spring (separate), Level 4, Credits 2.5 This module introduces postgraduate students in the School of Architecture to the theory and practice of teaching in the undergraduate setting. It is specifically designed for students who are actively engaged in the role of Teaching Assistant (TA) within one or more modules offe...



 Autumn, Level 4, Credits 15 Module Description The Comprehensive Design Studio is carried out in the Autumn trimester of MArch 1. As a means of starting the year s work the students are asked to design a significant building to a comprehensive level of detail. This will require them to think both conceptua...



 2 Trimester duration (Aut-Spr), Level 4, Credits 5 The module is intended to support and conclude your learning in the final year of the MArch programme at UCD Architecture. It aims to provide you with further essential skills relevant to your development as a postgraduate student and beyond the academy, and into practice. It bui...



 Spring, Level 4, Credits 15 The aim of this module is to support the exploration and development of research thesis proposals that will be the basis for individual research in the Thesis Module in Summer. The student will be supported through workshops, seminars and thesis development with a specific focus ...



Spring, Level 4,
Credits
25
The teaching
and learning
aims for module
ARCT 41190
and
ARCT41180 are
for learners to
be supported
and enabled to:

- Demonstrate individual strategies to address climate and architecture, framing this with the material /materials in architecture, the terms of conditions of co...



 Autumn, Level 4, Credits 15 PURPOSE AND CONTENT

The teaching and learning aims for module ARCT 41190 and ARCT41180 are for learners to be supported and enabled to:

- Demonstrate individual strategies to address climate and architecture, framing this with the material /materials in architecture, the te



 Autumn, Level 4, Credits 5 This module looks in detail at the crisis of climate change and the role of buildings. It is an inquiry led, project based module. Students will be immersed in an EU Green Deal Research Project with collaborator DLR council. Dun Laoighaire town centre is the Living Lab. 5 municip...



 Summer, Level 4, Credits 30 Students on the MSc in Architecture Urbanism and Climate Action will complete a Linked Research Project in the Summer Trimester. This can take the following 3 forms; - Working on an established research project with experienced researchers in the fields of architecture or urb...



 Spring, Level 4, Credits 5 The module seeks to support students in formulating their perspective, approach and vision of how the design, planning and management of the built environment can adequately respond to the convergence of existential crises such as climate change, biodiversity loss and resourc..



 Autumn, Level 4, Credits 5 This module is the core module of the Masters in Architecture, Urbanism and Climate Action (MAUCA). It provides a foundation for the core and elective modules that students will undertake. It provides an introduction to carbon management and climate change, and how these relate...



 Autumn, Level 4, Credits 5 This module looks in detail at retrofit to enhance building performance and enable energy efficiency. It introduces the student to renovation projects and methods of facade retrofit for improved energy and comfort performance. It introduces building simulation software for the



 Autumn, Level 4, Credits 10 This module is the core module of the Masters in Architecture, Urbanism and Climate Action (MAUCA). Covering key climate and carbon content the module provides a foundation for all other core and elective modules that students will undertake. The module delivers an introduction..



 2 Trimester duration (Aut-Spr), Level 4, Credits 10 Overall, this is an individually supervised research project that is undertaken over the course of both the autumn and spring $trime sters. \ This$ project takes the form of a long essay that explores some aspect of the designed environment. The research will engage with a range of pr...



 Autumn, Level 4, Credits 5 In today's designed environment, we are confronted with complex and significant spatial challenges that demand multidisciplinary and collaborative approaches. This module introduces students to the geodesign approach, which is particularly valuable in orchestrating the efforts of...



 Autumn, Level 4, Credits 5 This module is focused on housing. It will look at the state-of-the-art in research and practice related to housing, and outline paths into research in schools of Architecture. It will particularly focus on the reuse of buildings for housing, their conservation maintenance...



 Spring, Level 4, Credits 5 This module provides an in-depth overview of advanced transport planning, encompassing key theories, methodologies, and tools. Students will be engaged in critical policy analysis, learning about the development of inclusive transport systems, and exploring the integration of tec...



 Spring, Level 4, Credits 5 This module will introduce through a fieldtrip and online material, the background and context to ΕU Environmental Policy. It will cover environmental legislation and the specific articles in the treaties that cover the environmental area, e.g. Single European Act, Lisbon Treaty ...



 Summer, Level 4, Credits 30 Students in this module will produce a research thesis on a topic that is related to their chosen specialist area. The thesis will let students explore a topic in depth with guidance from an academic supervisor. The thesis will consist of two components: A Literature Review Paper...



 Spring, Level 4, Credits 10 The focus of this module is to develop students professional skills for environmental policy-making through participating in a live policy formulation exercise. The module will explore the key stages in the preparation of a strategy and a suite of policy options to address a k...



 Spring, Level 4, Credits 5 The aim of the module is for students to produce a critical review of the published academic literature on a subject approved of there choice (subject to approval by the module co-ordinator). This will involve a high degree of autonomous student learning including extensive readi...



 Autumn, Level 4, Credits 10 Contemporary societies face key environmental challenges both at a local and a global level, such as climate change, air pollution and nature conservation. In decision-making processes, policymakers face the significant challenge of incorporating the interactions between ec..



 Summer, Level 4, Credits 30 The aim of this module is to give students the opportunity to gain professional experience in a structured setting, for a period of 8 to 12 weeks during the third trimester.

An internship placement will normally be hosted at an external organisation, but may also be hosted int...



Spring, Level 4,
Credits
10
The aim of this
module is to
provide
students with
the essential
skills to produce
an independent
piece of
research.

The first step in any research project is the literature review.
Students will learn how to produce a critical systematic review of the published academic lite...



Autumn, Level
4, Credits
10
This module will
comprehensivel
y address
European Union
Environmental
Policy under the
following
headings:

i) The need for EU Environmental Policy It will examine the background and context to EU Environmental Policy, determine when the environment became an EU concern and



 Spring, Level 4, Credits 10 Environmental Policy practitioners require up-to-date knowledge of contemporary approaches to environmental policy and regulation and knowledge of the tools that may be used to assist in environmental policy design. This workshop-base d module provides to participants a summary of...



 Autumn, Level 4, Credits 5 Contemporary societies face key environmental challenges both at a local and a global level, such as climate change, air pollution and nature conservation. In decision-making processes, policymakers face the significant challenge of incorporating the interactions between ec..



 Autumn, Level 4, Credits 10 This module provides exposure to key theories, policies and practices in the fields of environment and development. It gives an overview of the evolution of the concept of development, of the international development and cooperation policies and practices, and of how they integr...



 Spring, Level 4, Credits 15 This Design Research Studio (DRS) entitled Tailwind for Ireland focuses on wind power, onshore and offshore (in Ireland) as a form of renewable energy. The topic is related to the urgent problem of climate change and the necessary energy transition. The studio is organized vert...



 Spring, Level 4, Credits 5 This module is open to stage 3, 4 and 5 students of landscape architecture and related disciplines (architecture, urban design, structural engineering, art) with advanced skills in spatial and object design. The module introduces international landscape architectural competitions..



 Autumn, Level 4, Credits 15 This new Design Research Studio (DRS), with the title 'Tailwind for Ireland', focuses on wind power, onshore and offshore (in Ireland) as a mode of renewable energy. The topic is related to the wicked problem of climate change. The studio is organized in vertical form, and runs p...



 Autumn, Level 4, Credits 5 The module supports the ongoing design-research studio; it aims to help students to better inform their own work and reflect on and express their findings. The class introduces sources, materials and some methods of research commonly used in the broad area of landscape architectu...



 Spring, Level 4, Credits 30 An objective of the MArchSc in Landscape Studies is the development of a body of student research in landscape architecture, in Ireland. This research begins early in the year, in Studies 1 and 2, in which both projects and practical work are increasingly focused in accordance wi...



 Autumn, Level 4, Credits 15 Building on the knowledge gathered in Autumn, this studio module deepens insights into the system formed by a complex landscape, and the people that live there. Students pursue self-directed individual project work, exploring chosen aspects of this anthropogenic landscape through...



Spring, Level 4,
Credits
5
This module
explores notions
of biodiversity
from scientific,
philosophical
and artistic
viewpoints.

Through reading and discussion, this class delves into concepts such as the Anthropocene, deep ecology, the critical zone of life, ecosystems, habitats and biodiversity...



 Autumn, Level 4, Credits 15 This studio focuses on site analysis, planning strategies and spatial design, and provides the student with an opportunity to explore, in depth, the relationship between planning, urban design and landscape architecture, in the context of a single trimester-long project. The proj...



 Spring, Level 4, Credits 20 A core objective of the MLA programme is to develop a body of research in landscape architecture in Ireland, the culmination of which is the thesis. The research component of the programme provides a valuable resource for education and knowledge in landscape architecture, nationa...



 Autumn, Level 4, Credits 10 This module will support students' preparation for their Capstone design thesis and is focused on developing demonstrating research skills. It will support student(s) to develop academic rigour in reviewing relevant literature and policies and methods for site analysis. It is...



 Autumn, Level 4, Credits 5 Climate change is the single biggest challenge this generation now faces. This course is designed as an introduction to climate change and climate solutions, including climate policies and relevant political dynamics. There are four core areas within the course: Climate science; ...



 Spring, Level 4, Credits 5 Since the mid-20th century, governance approaches have rapidly evolved worldwide in response to economic, political, and ideological shifts within global society. Notably, there have been significant transformations in the governance of urban agglomerations. This module aims to p...



 Spring, Level 4, Credits 5 Planning methodology is concerned with the array of methods and techniques which planners use to inform decision-making at strategic and development management level. The formulation of national, regional and local plans requires planners to have a good working knowledge of how ...



 Autumn, Level 4, Credits 5 The planning profession has had a longstanding interest in the design of towns and cities, and planning systems and policies have over time provided a key means to regulate, mediate and manage the design of urban as well as rural places. This module seeks primarily to introduce u...



 Autumn, Level 4, Credits 5 The aim of this module is to introduce students to the theoretical and socio-spatial context of planning and in particular to provide students with an introduction to planning theory. The Module explores processes at work in society, such as neoliberalisation , economic restructur...



 Autumn, Level 4, Credits 5 The course will explore case studies of urban development which strategically integrate public transportation, pedestrian and bicycle planning at a regional scale, city scale neighborhood scale. Topics include transit-oriented development, walkable and cyclable cities and nei...



 Spring, Level 4, Credits 5 In practice, spatial planning is largely an urban field with the issues facing urban areas receiving a great deal of attention and resources. In contrast, the fate of smaller settlements and rural areas has been a less significant concern for planning practice and academic invest...



 Autumn, Level 4, Credits 5 The module explains economic processes and activities through the lens of urban and regional planning. It consists of two parts. The first part, which serves as the foundation of this module, explains mainstream economic principles and their critiques. It provides a geographical ..



 Autumn, Level 4, Credits 5 This module is focussed on understanding the interactions between transport, the environment and its relationship with future sustainability concerns. The first part of the module introduces key concepts and ideas related to urban transportation, development of contemporary ...



 Autumn, Level 4, Credits 5 This course introduces basic concepts in place-making and urban design, including public space and public life observations, inclusive approaches to urban design and case studies in placemaking. The course provides fundamental knowledge on interconnections between urban desig...



 Autumn, Level 4, Credits 5 In this module students explore the changing dynamics of urban development internationally. implementationof growth management and development strategies is often proposed by national plans or guidelines and is a recurring theme in many areas experiencing rapid urbanisation .



 Spring, Level 4, Credits 5 This module examines key aspects of housing policy and planning. The aim of housing policy is to ensure that the housing needs and demands of a complex modern society are met efficiently, effectively and with some measure of equity. Additionally, it seeks to supply housing that i...



 Autumn, Level 4, Credits 5 **Smart Cities** and Transportation explores how cities and other actors are employing technologies and innovations to face complex urban challenges, in particular the ones related to transport and mobility. This course aims to provide basic knowledge of concepts related to smart



 Autumn, Level 4, Credits 5 This module provides students with knowledge of how property markets function from an economic perspective. In order to do this the module examines the principles micro-economic s and price theory. These theories are then examined in light of experiences in the property, planning ...



 Autumn, Level 4, Credits 5 This module is delivered by an established planning and development practitioner and introduces students to key practice elements of planning. The module has two core elements:

Element 1 -Leadership Leadership involves the ability to promote specific goals and to garner the ...



 Spring, Level 4, Credits 10 As this is a a shadow module for a module taken by students on the Planning and Environmental Policy exchange with the University of Illinois at Chicago. The purpose and content of the module will be that of the UPP module chosen by the exchange student....



 Spring, Level 4, Credits 10 As this is a shadow module for a module taken by students on the Planning and Environmental Policy exchange with the University of Illinois at Chicago. The purpose and content of the module will be that of the UPP module chosen by the exchange student.



 Spring, Level 4, Credits 10 As this is a a shadow module for a module taken by students on the Planning and Environmental Policy exchange with the University of Illinois at Chicago. The purpose and content of the module will be that of the UPP module chosen by the exchange student.



 Spring, Level 4, Credits 10 This module provides students with an understanding of the urban design process and key aspects of its regulatory context, within a structured, project-based learning environment. Students are introduced to practical approaches for surveying and analysing the core urban design qu...



 Autumn, Level 4, Credits 10 The aims of this module are to provide students with a real-world experience in exploring the social, economic and environmental facets and processes which produce spatial changes and create places (settlements, villages, towns, districts or regions) and to enable them to integra...



 Spring, Level 4, Credits 25 A key component of graduate planning programmes is that students produce a research dissertation on a topic that is related to their chosen specialist area. The dissertation will let students explore a topic in depth with guidance from an academic supervisor. The key difference..



 Spring, Level 4, Credits 5 Increasing attention is given to delivering sustainable urban environments by enhancing the relationship between nature and the city. In this studio-based module we will investigate the intersection between people and their environments by considering the city as a social-ecolog.



 Summer, Level 4, Credits 30 A key component of the MSc Urban Design and Planning programme is that students will produce a thesis on a topic that is related to their chosen specialist area. The design thesis will let students explore a topic in depth and develop an innovative urban design response with guid...



 Autumn, Level 4, Credits 5 Geographic Information Systems (GIS) and related technologies and tools are applied across many planning and policy areas including land development, transportation, economic and community development, and environmental management. Expectations of GIS are not limited to automati...



 Autumn, Level 4, Credits 5 'Nature' is a difficult to define, yet central concept in planning. This combination of ambiguity and centrality has generated a variety of challenges for planning when seeking to address the demands of managing our interactions with nature in an increasingly complex world.



 Summer, Level 4, Credits 30 A key component of the MRUP accelerated programme and the MSc Urban Design and Planning programme is that students will produce a research thesis on a topic that is related to their specialist area. The thesis will let students explore a topic in depth with guidance from an acade...



 2 Trimester duration (Spr-Sum), Level 4, Credits 30 A key component of the MSc Planning, Development and Urban Design programme is that students will produce a design thesis on a topic that is related to their chosen specialist area. The design thesis will let students explore a topic in depth and develop an innovative urban desig..



 Spring, Level 4, Credits 20 A key component of the graduate planning programme is that students will produce a Capstone project on a topic that is related to their chosen specialist area. The projectwill let students explore a topic in depth with guidance from an academic supervisor. The key difference betw...



 Autumn, Level 4, Credits 5 This purpose of this module is to provide foundational research and design approaches that will equip students with relevant methodological knowledge that can be utilised throughout the MRUP programme. The module will focus on key research design concepts and well as outlining



 Autumn, Level 4, Credits 5 The basic function of planning systems is to regulate land-use as a means to guide and manage spatial development. This role does not stand alone but is part of a broader legal and political system which incorporates the European Union, central government, local authorities,



 Spring, Level 4, Credits 10 The aims of the module are: * To foster problem solving and critical thinking skills among the students, by requiring students to apply the theory learn as part of the MSc programme to real life projects and engage in discussions with the other experts. * To achieve a pro-activ...



 Spring, Level 4, Credits 10 The overall goal of this module is to introduce students to the role of cities in promoting future sustainable development. The module explores the multifaceted role that cities plays in interacting with ideas of sustainability across the social, economic, environmental and gover...



 Spring, Level 4, Credits 20 The purpose of the internship module is to provide students with an opportunity to practice-based learning in a specific planning context. This will involve applying and combining their academic studies with work-based practice to gain additional planning experience.

Plea...



 Spring, Level 4, Credits 5 As this is a shadow module for a module taken by students on the Planning and Environmental Policy exchange with the University of Illinois at Chicago. The purpose and content of the module will be that of the UPP module chosen by the exchange student.



 Spring, Level 4, Credits 5 As this is a shadow module for a module taken by students on the Planning and Environmental Policy exchange with the University of Illinois at Chicago. The purpose and content of the module will be that of the UPP module chosen by the exchange student....



 Spring, Level 4, Credits 5 Planning law has historically been controversial, politicised and adversarial in Ireland, making for a fascinating mix of law, policy and politics. The legal arena of planning is defined (and continually redefined) by primary and secondary legislation, along with its interpretat...



 Autumn and Spring (separate), Level 4, Credits 10 The stability of the Earth as a system is currently at risk as five of the nine planetary boundaries describing the environmental limits within which humanity as a species may continue to thrive - have now been exceeded. The practice of sustainability is crucial to our manageme..