College of Business, Public Policy & Law

School of Business and Economics

The MSc in Global Environmental Economics is offered within the Economics Discipline

*This handbook is issued for the **guidance** of students only. Course content and course options may change and students are advised to verify information in this handbook with the Programme Director and, where appropriate, module coordinators.*

*The information provided is intended for those who are joining the MSc Global Environmental Economics, whether part-time or full-time, in **2023**.*

The information provided here is correct and up-to-date, to the best of our knowledge, at the time of writing (14 August 2023), but is subject to change, particularly with respect to public health guidance and university policies.

Table of Contents

Introduction & Welcome

Dear class of 2023/24,

I am delighted to welcome you to Economics at University Of Galway, for those who are joining us for the first time, and to welcome back those who have studied with us previously. I, along with all of the teaching and support staff involved in the programme, are very much looking forward to meeting you in the coming weeks.

You are joining a programme that is relatively unique in Ireland – and beyond – in terms of the focus on applied environmental economics, and we hope that studying with us will be a highly rewarding and enjoyable experience. This is an important and exciting time to study environmental economics.

The team of lecturing staff that contribute to the programme are experienced, dedicated and highly expert. As I hope you will discover throughout the time you spend with us, you are also joining an Economics discipline that is highly research active in the area of environmental economics, across a range of sub-themes including agriculture, marine, energy, natural resources, and climate change, and this is reflected in the more specialist modules on the programme. Economics at the University of Galway also hosts two research centres dedicated to applied environmental economics themes: the Socio-Economic Marine Research Unit (SEMRU) and the Centre for Economic Research on Inclusivity and Sustainability (CERIS).

We are continually striving to improve our programme offering. In the last year we have introduced a number of exciting innovations to the MSc Global Environmental Economics: For example, we are adding further international elements to the programme in the form of international placement and research opportunities, and a new optional module on European Energy Policy, to be delivered by a policy expert who is currently Deputy Head of Unit at DG Energy in the European Commission. Last year, students had the opportunity to take part in two field trips – one on board a marine research vessel, and another to visit the European Commission in Brussels. We hope to repeat these offerings in 2023/24 but please note that availability / numbers may be limited.

We are also moving to a model that offers increased choice to students. Students now have the option to either pursue a work placement or a traditional academic research dissertation after the end of semester 2 teaching. Further details of these and other innovations on the programme will be included here in the handbook and discussed in detail during the in-person orientation session, which is planned for Tuesday 5th September at 2pm.

In terms of the mode of delivery, students are expected to attend in-person on campus for all aspects of their programmes, with attendance monitored throughout the academic year. For those students who experience short term illnesses, including Covid, reasonable accommodations will be made to allow students to keep up with their work – e.g. through the provision of lecture notes or PowerPoint presentations, but there should be no expectation on the part of students that online lecture recordings will be made available.

I trust you will find the contents of this handbook useful and that it will provide a first point of reference for general information about the programme and about the university more generally. If you have any questions or concerns, I would point you in the first instance to the various links and resources that are provided here in this handbook. There are many supports available to you from the university, and you should feel free to avail of these as needed. Please also feel free to contact me, and/or Charmain Byrne (who provides excellent admin support for the programme), directly if you wish, and we will do our best to help and support you in any way we can.

Finally, I would like to wish you all the very best for the year ahead.

With best wishes,

Dr. Thomas K.J. McDermott
Galway University Foundation Lecturer in the Economics of Climate Change and Development,
University of Galway
Director MSc. Global Environmental Economics
e: thomas.mcdermott@universityofgalway.ie | a: Room 221, Aras Cairnes, North Campus, University of Galway.

Useful Contacts:

1. Tom McDermott (Programme Director)

   E: Thomas.mcdermott@universityofgalway.ie

2. Charmain Byrne, Administrator (Economics) – Supports programme administration.

   E: charmain.byrne@universityofgalway.ie

3. Professor John McHale, Head of Economics.

   E: john.mchale@universityofgalway.ie

About University of Galway

Founded in 1845, we've been inspiring students for over 175 years. University of Galway has earned international recognition as a research-led university with a commitment to top quality teaching. Galway ranks among the top 1% of Universities in the world. Our prestigious history spans almost two centuries. Our spectacular location boasts the unique landscape and culture of the west of Ireland. Our global network connects us to partners around the world. Our researchers are shaping the future. Our students are shaping their own. Visit www.universityofgalway.ie to learn more about the University of Galway.

Environmental Economics at University of Galway

The MSc Global Environmental Economics is hosted by the Discipline of Economics at University of Galway, part of the J.E. Cairnes School of Business and Economics, which is in turn one of three Schools in the College of Business, Public Policy and Law at University of Galway.

Throughout the programme you will mainly be engaged with academic staff of the Economics discipline. You can find staff profiles and contact details at this link (see also the profiles of core staff teaching on the programme towards the end of this document).

www.nuigalway.ie/economics/people/

Economics at University Of Galway has a long and proud tradition of engaging with environmental issues, both through our teaching and research. The MSc in Global Environmental Economics was introduced in 2018, replacing the previous MSc in Natural Resource Economics and Governance.

Environmental Economics represents one of the core areas of research focus within Economics at University Of Galway, and this is reflected in the presence of two highly active research groups in the area of environmental economics:

The Centre for Economic Research on Inclusivity and Sustainability (CERIS):

The CERIS Mission is to conduct high-quality economic research that helps develop a more inclusive society and sustainable environment, ensuring a better future for all. We aim to better understand individual behaviour and policy decisions, from the local to the global scale.

The Socio-Economic Marine Research Unit (SEMRU):

SEMRU is the foremost marine economic analysis centre in Ireland. SEMRU was established with the objective of expanding marine socio-economic research capability in Ireland, centred around a research cluster in Galway led by University Of Galway and linking with Teagasc and the Marine Institute.

Economics events

Economics at University Of Galway strongly encourages economics students' wide and deep engagement in your studies. One avenue to do that is through attending our many economics events on campus, such as conferences, workshops, and the regular seminars given by academic staff, researchers and PhD students from economics at University Of Galway, and by external visitors. As a class you will be notified of and invited to attend relevant events in Economics.

Class representatives

It has proved very valuable at times to have good class representatives (at least one or perhaps two, depending on numbers in the class) to raise issues and help communication amongst the class, so I hope some of you will consider putting your names forward for this role, which is not onerous. The class representatives are the first point of contact for raising issues and providing feedback to the programme director.

Academic Term Dates

The first semester 2023-24 academic year begins on Monday 4th September 2023.

Academic Year 2023 -2024	
Orientation 1st years *	• **Online** College Orientation: Tuesday through to Thursday, 12-14 September (depending on the programme) • **On-campus** Orientation: Friday & Saturday, 15-16 September
Start of teaching – 1st Years*	Monday 18th September
End of teaching – 1st Years*	Friday 24th November (10 weeks of teaching)
Start of teaching all years	Monday 4th September
End of teaching all years	Friday 24th November (12 weeks of teaching)
Study week	Monday 27th November to Friday 1st December
Semester 1 exams start	Monday 4th December
Semester 1 exams end	Friday 15th December (10 days of exams)
Christmas Holiday	Saturday 16th December
2024	
Start of Teaching	Monday 8th January
End of Teaching	Thursday 28th March (12 weeks of teaching)
Easter	**Good Friday 29th March to Easter Monday 1st April**
Field Trips	Tuesday 2nd April to Friday 5th April
Study Week	Monday 8th April to Friday 12th April
Semester 2 Exams Start	Monday 15th April
Semester 2 Exams End	Wednesday 1st May (13 days of exams)
Autumn Repeat Exams	Tuesday 6th to Friday 16th August (9 days of exams)
Holidays	**St Brigid's Day: Monday 5th February 2024**
	Easter: Good Friday 29th March to Easter Monday 1st April 2024
	Bank Holidays: Monday 30th October 2023 / Monday, 18th March 2024 /
	Monday 6th May 2024/ Monday 3rd June 2024 / Monday 5th August 2024

M.SC. IN GLOBAL ENVIRONMENTAL ECONOMICS – Course Outline

***Note**: The following information is intended to give an overview of the programme, and a flavour of the main themes of each module. Full details of module content, assessments, reading lists etc. will be provided by individual lecturers in the form of module outlines at the beginning of each semester.*

This programme is designed to address many of the greatest challenges facing societies around the world today including climate change, food and energy security, the need to achieve sustainable and resilient forms of economic development, pollution and biodiversity loss. A global environmental economics perspective is central to our understanding of these challenges and students acquire relevant theoretical and practical skills to meet these global challenges and formulate appropriate policy responses. A unique combination of theoretical and applied subjects is delivered through small group teaching by academics as well as industry and policy experts. This guarantees a practical focus that is further strengthened through the opportunity to pursue work placements in related companies or research institutes in Ireland or abroad.

Programme objectives

The programme objectives of the MSc in Global Environmental Economics are:

- Core economic knowledge - our graduates will understand and analyse global environmental issues from an economic perspective.
- Analytical skills – our graduates will have advanced knowledge of economic methods used to analyse environmental problems.
- Influence public policy – our graduates will have the required knowledge and skills to critically evaluate and inform future public policy in relation to the environment.
- Global perspective – our graduates will be able to understand interlinkages regarding environmental problems and how these differ around the world.
- Communication skills – our graduates will have effective communication skills and be proficient with various media.

Learning objectives

On successful completion of this programme, graduates should be able to:

- Apply suitable theoretical and practical economic methods to analyse global environmental challenges;
- Conduct economic evaluations of environmental policies and projects;
- Apply advanced econometric and statistical methods to analyse various environmental problems;
- Utilise economic theory and practical skills to inform public policy;
- Discuss and explain differences and similarities regarding environmental problems around the world;
- Critically evaluate and summarize the current scholarly environmental economics literature in selected specialized fields;
- Communicate clearly the outcomes of analyses and recommended actions and decision.

Programme Structure (Full-time)

Semester 1 Core

Mod Code	Module Title	ECTS credits
EC501	Microeconomic Theory	10
EC506	Econometrics	10
EC5118	Climate Change Economics	10
EC5117	Natural Resource Governance & Sustainability	10

Semester 2 Core

Mod Code	Module Title	ECTS credits
EC5115	Environmental Economic Modelling	10
EC517	Cost Benefit Analysis & Evaluation	10
EC5116	Global Issues in Agricultural, Marine and Renewable Energy Economics	10

EC505	Dissertation **OR**	10
EC5140	Applied Environmental Economics Placement	10

Plus 10 credits from the following optional modules (in semester 2)

Mod Code	Module Title	ECTS credits
EC526	Public Sector Economics	10
EC5119	Derivatives and Risk Management	10
MK5132	Social Marketing and Environmental Sustainability	10
EC5102	Renewable Energy Economics and Policy	10
EC5137	Green and Sustainable Finance	10
EC5121	Applied Econometrics	10
EC5144	European Energy Policy	10

Programme Structure (Part-time) Year 1

Semester 1 Core

Mod Code	Module Title	ECTS credits
EC501	Microeconomic Theory	10
EC5118	Climate Change Economics	10

Semester 2 Core

Mod Code	Module Title	ECTS credits
EC5116	Global Issues in Agricultural, Marine and Renewable Energy Economics	10

Plus 10 credits from the following optional modules (in semester 2)

Mod Code	Module Title	ECTS credits
EC526	Public Sector Economics	10
EC5119	Derivatives and Risk Management	10
MK5132	Social Marketing and Environmental Sustainability	10
EC5102	Renewable Energy Economics and Policy	10
EC5137	Green and Sustainable Finance	10
EC5121	Applied Econometrics	10
EC5144	European Energy Policy	10

Programme Structure (Part-time) Year 2

Semester 1 Core

Mod Code	Module Title	ECTS credits
EC506	Econometrics	10
EC5117	Natural Resource Governance & Sustainability	10

Semester 2 Core

Mod Code	Module Title	ECTS credits
EC5115	Environmental Economic Modelling	10
EC517	Cost Benefit Analysis & Evaluation	10

EC505	Dissertation **OR**	10
EC5140	Applied Environmental Economics Placement	10

Additional (optional) courses

Note that these are non-credit bearing elements of the programme and are offered as additional supports and training for students who wish to avail of them. Further details to follow at the orientation session and via Canvas.

Semester 1:

Maths for Economists **(refresher course) – <u>strongly recommended for all</u>**

Overview: This course in *Mathematics for Economists* aims to give students the necessary mathematical skills to successfully complete the more quantitative and technical modules in economics offered under the various Master's degree programmes in economics at University Of Galway. It provides a thorough revision of a range of mathematical concepts commonly used in economic analysis.

COURSE DELIVERY: This short course will run on Thursday mornings for the first four weeks of semester (7^{th} to 28^{th} September).

Semester 2:

- Introduction to R for economists (TBC)

Short practical course delivered over 4 weeks (two hours per week)

In person delivery (in computer labs)

EC505 Dissertation or EC5140 Placement

Students will have the option to choose between a traditional Research Dissertation (EC505) or an Applied Environmental Economics Placement (EC5140). These are technically year-long modules, and some engagement throughout the year will be required, regardless of which option you choose. The bulk of the work in either case will be carried out after the end of semester 2 exams (i.e. over the summer months). The Dissertation or Applied Placement modules are each worth 10 credits – equivalent to one core taught module on the programme. Each will be evaluated and marked against a set of pre-defined criteria, details of which will be provided to students in advance. Some indicative guidance is provided here for information. You will be asked to indicate your preference for pursuing either the placement or the dissertation early in the programme (in the first weeks of semester 1). However, there will of course be an opportunity for a change of mind later on.

Placements

It is important to understand that the placement process is a competitive one, and if you wish to secure a placement you should treat it as a job search (with many advantages – e.g. supports from the university, introductions to potential placement organisation and opportunities etc.). In order to participate in the placement process, it is mandatory to attend all information and support sessions provided by the placement officer Grainne Carey and more generally to engage with the process from the outset. This includes submitting documents as requested, meeting deadlines, engaging with employers, making yourself available for interview etc. Failure to do so will result in you not being in a position to secure a work placement. Full details of the placement process will be provided in a separate guidance document and discussed with the programme director and placement officer during our orientation session and in subsequent information sessions. Here are some general guidelines:

- Some students will be selected for an external placement. If you do not secure an external placement, the default option will be to take the EC505 dissertation module (traditional research dissertation) instead.
- Some placements will be paid, and others not. Students are strongly encouraged to view the placement opportunities as investments in their future career prospects. Many of our

students have been offered full-time paid positions (graduate contracts and even permanent positions) with their host organisations following completion of the placement.

- Usually students undertake their work / research placement after the completion of semester 2 exams. Placements should be for a period of not less than 2 months (usually Mid-May to end of July or beyond).
- The placement organisation will generally be expected to nominate a supervisor/mentor and/or line manager to whom students on placement will be reporting on a day-to-day basis.
- Students will also be assigned an academic contact (a member of University Of Galway academic staff), who will provide a first point of contact at University Of Galway during the placement.
- Students going on placement will be required to submit a placement report (details on requirements will be provided in a separate guidance document), which will be evaluated by the programme director and/or by another nominated member of the academic faculty in the Discipline of Economics.
- Placements are competitive, and will usually involve students applying for and engaging in a competitive process to win the placement.
- A range of placement opportunities and contacts will be provided.
- Students are also encouraged to self-source placement opportunities. However, all placements and placement organisations must be approved by the placement officer and/or the programme director.

Dissertations

Thesis/Dissertation Guidelines: Some people prefer the word thesis; others dissertation. There is no distinction between them in practice. Full detailed guidance on the dissertation requirements and expectations will be provided separately, including information sessions in semester 2.

The thesis provides an opportunity for independent and original work. The aim of the dissertation is to enable the student to critically evaluate research in economics; to demonstrate independent research and to apply theoretical knowledge acquired; to demonstrate critical thinking skills and to produce a well written minor dissertation of not less than 6,000 words in length that contributes to existing knowledge. This module involves a series of discussions and meetings with supervisors,

submission of research proposals, progress reporting to supervisors within agreed timeframes, and delivery of a final academic dissertation report.

Deadline: Generally the end of July. You will be required to submit an electronic copy to the Programme Director and to your Supervisor. No hard copy of the thesis is required. Details in relation to formatting requirements, marking schemes and general approaches to writing a thesis will be provided in a separate guidance document.

Length: The thesis should be not less than 6,000 words.

- An academic supervisor from University Of Galway will be assigned to supervise the research project for your dissertation and grade your final submission.
- The research topic will be agreed by the supervisor and the student. In some cases, supervisors may propose topics, or invite students to join existing research projects. In other cases, students my propose their own topics based on their interests.
- The research will involve applying the theories and techniques introduced in the taught modules to an applied research question.
- In most cases, the research should involve an applied research question – and typically data analysis using econometric or other statistical techniques. However there are a range of acceptable formats for the dissertation, provided the approach you wish to take is agreed with your supervisor.
- The objective of the dissertation is to provide training and experience in conducting independent research. The result of this research should represent a contribution to knowledge and (ideally) a publication-quality academic output.

Canvas (on-line learning platform)

Canvas is the web-based learning environment used at University Of Galway. There is a Canvas page for each module, including course content, and information on class projects, assignments and assessments. ***All students are required to familiarise themselves with Canvas and to log on regularly to keep up to date with the requirements of each module.*** Canvas will not only be used to contain and circulate key module materials (lecture notes, announcements, assignments, etc.), it may also be used for hosting live and recorded lecture sessions. These will be accessed through Canvas Collaborate and the Virtual Classroom.

In most modules, submission of assignments will also be facilitated through Canvas, via Turnitin Assignments. Turnitin generates a 'Similarity Report' which identifies unoriginal submitted material.

For a quick guide to Canvas, please see the following link:
https://www.universityofgalway.ie/information-solutions-services/services-for-students/canvas/

Module Descriptions – taught modules

Semester 1

Econometrics

The principal aim of this module is to provide students with a thorough understanding of the core techniques of econometrics and their application, in order to test economic theories and measure magnitudes relevant for economic policy and other decisions. These skills will provide a foundation for subsequent study of quantitative topics in economics and are one of the key elements in the professional training of an economist. The module differs from the standard approach taken in traditional econometrics courses in that it focuses mainly on the issues and challenges that empirical researchers address when they apply econometric methods. The module's approach reflects how econometric instruction has evolved from simply describing a set of abstract statistical recipes, to showing how econometrics can be used to empirically study questions across a variety of disciplines.

Climate Change Economics

This module will apply the theoretical and practical tools of economic analysis to the problem of climate change. A particular focus will be on economic evaluation of the costs of climate change (empirical estimation of climate damages) and the economic tools used to evaluate climate policy (climate-economy models).

Microeconomic Theory

The course will cover the core topics in microeconomic theory at the Masters level.

Natural Resource Governance & Sustainability

The term "environmental governance" has been widely used in relation to the concept of sustainable development. The module takes a capital-based approach to the study of sustainability. In this regard particular attention will be given to the relationship between social capital, natural capital and physical capital and institutions and regimes that govern these forms of capital in the context of natural resource management.

Semester 2

Environmental Economic Modelling

This module covers a number of key economic modelling approaches typically applied in environmental economics. Topics covered are revealed and stated preference techniques, economic experiments, as well as GIS and spatial methods. The course has an applied focus and students learn to estimate and apply several quantitative models.

Cost Benefit Analysis & Evaluation

Evaluation of public sector projects or programmes is important and is required to ensure that resources are used in the best possible way and also to ensure that the government is getting value for money. The objective of this module is to introduce students to evaluation procedures and to Cost Benefit Analysis, the most commonly employed method for the evaluation of public sector projects or programmes.

Global Issues in Agricultural, Marine and Renewable Economics

This module covers economic concepts about a wide range of problems and issues related to agriculture, marine and renewable energy. This course focuses on contemporary issues and topics may vary from year to year. Examples are agricultural production, markets, trade and policy, asymmetric information. Economic analyses to evaluate specific marine policies in the areas of marine tourism and recreation, shipping, aquaculture, fishing, coastal development, and the protection of marine habitats and biodiversity will also be covered. Finally, the course covers energy policies concerned with energy systems including, wind, solar and tidal and wave power. The course has a global emphasis using material from both developed and developing countries.

Optional Modules

Derivatives and Risk Management

This course is an introduction to modern derivatives and risk management. We begin by exploring the basic features of futures, swaps and options with an emphasis on economic intuition and understanding, although important quantitative techniques are developed. We use the insights developed in these topics to examine some well-known examples of derivatives mishaps and recent applications of derivatives, including credit derivatives and weather derivatives.

Renewable Energy Economics and Policy

A key focus of the module is the optimal provision of renewable energy resources and it addresses problems that arise due to the variability of renewable energy from an economic perspective and the incomplete nature of markets for these resources. The course will address the theory of externalities, missing markets and property rights; the theory of public goods and Nash-Cournot equilibria. Attention is given to energy externalities, public goods, Pigovian taxes in the energy sector, emission standards, tradable permits and tradable energy certificates. The economics of energy distribution systems and energy firm behavior and electricity deregulation is critically analyzed. Electricity pricing systems such as peak load pricing, energy efficiency and energy conservation is explored. The course evaluates specific energy policies concerned with energy systems including, wind, photovoltaic, and tidal and wave power. Emphasis will be given to an analysis of policies concerned with renewable energy in both developed and developing countries.

Social Marketing and Environmental Sustainability

This course challenges the student to consider and critically reflect upon the scope for marketing principals, tools and techniques relevant to the UN SDG17 Goals for social change, innovation and societal challenges. Marketing's insights, concepts and techniques can be applied equally well outside the commercial marketplace in different exchange systems to tackle behaviourally driven social inequalities such as obesity and climate change and drive sustainable goals such as sustainable transport, waste management, ocean literacy and circular economies. This course shows that Marketing, as a provisioning system for private and public offerings, is a means of influencing our behaviours while Social Marketing, as a multiplicity of people and stakeholder systems interacting to create patterns of behaviours, choices and values over time in a dynamic macro-micro context, is a means of influencing our behaviour for the betterment of the individual and society.

Public Sector Economics

The major issues addressed in the module will be economic efficiency, theories of social valuation, behavioural public economics, public goods, externalities, social choice, local public sector economics, fiscal decentralisation and fiscal federalism.

European Energy Policy Masterclass

The module will be taught by Adjunct Professor Tadhg O'Briain, Deputy Head of Unit at DG Energy in the European Commission.

Overview: This module aims to provide students with an overview of the drivers of European energy policy – from the opening of previously closed national markets based on monopolies through to the European Green Deal and the impact dependence on Russian gas supplies.

The course will provide a theoretical overview of the functioning of energy markets – and in particular electricity markets and the economics of renewable generation – and examine how this interacts with the achievement of public policy objectives of affordable, secure and sustainable energy supplies. It will examine how EU policy tools – both legislative and the application of competition (including State aid) rules have been used to achieve these policy objectives.

If feasible the class masterclass would conclude with a field trip to Brussels where students will also be introduced to key actors in the European energy field, from the Commission, and bodies like the European Agency for the Cooperation of Energy Regulators (ACER) and the European Networks of Transmission System Operators for Electricity and Gas (ENTSO-E and ENTSOG).

Delivery: This module will likely be delivered in a hybrid format – with a mix of online and in-person lectures.

On-Campus Facilities & Services

Services available to students can be accessed when you click on the University Of Galway Students portal: https://www.universityofgalway.ie/students/ . Here we have tried to group some of those that you may find particularly useful during the course of your studies.

Registration

Before you embark on your studies at University of Galway, you will first need to register. Registration for the 2023/2024 academic year opens on August 17th and closes on September 12th (for courses) and September 19th (for modules). Please be aware these dates may change, and can be checked at:
https://www.universityofgalway.ie/registration/quick-links/registration-dates/#tab2

Information on how to register and further help are available here:
https://www.universityofgalway.ie/registration/how-to-register/

Module registration/change of mind for Semester 2 will become available early 2024 (usually closing on or around 1st of February – but as above, please double check these dates on the registration office website).

Student ID Card

The name and spelling of your name AND date of birth on your birth cert/passport/driver licence is what will appear on your Galway student ID card. Your Student ID Card will be your official identification card for the duration of your programme at University Of Galway and for all college related matters only.

ID card distribution

The main form of distribution of Student ID Cards for postgraduates and undergraduates will be for the students to call in person to the Registration Helpdesk in Áras Uí Chathail on the 1st Floor, on allocated dates / date ranges (as outlined below). The Registration Desk will be open from 09:00 - 17:00, Monday to Friday during the card collection dates.

Áras Ui Chathail, University of Galway, University Rd Gaillimh - Google Maps

If a student is unable to collect his/her Student ID Card, they can contact Registration via email registration@universityofgalway.ie or 091 494949 and arrange for an alternate means of distribution e.g. send in the post to home address.

Library Facilities

All registered students of this programme are automatically entitled to use the library. ID cards are issued to new students at registration. This ID card enables the user to enter the library and entitles him/ her to borrow material. Please remember that without an ID card you may not borrow and at any time you may be asked to produce it for security reasons. ID cards are not transferable and users are responsible for all material borrowed on their .card. Students are encouraged to avail of the many facilities offered by the James Hardiman Library at times which are convenient to their study programme. The library charges **fines** for overdue material solely to secure its prompt return so that others may avail of it. Further details may be found at https://library.universityofgalway.ie/

Computer Facilities

PCs are available for students in PC suites around the campus. PCs are available on a "first come first served" (open access) basis for at least an hour each day. These open access hours are advertised on the door of each suite and on the notice board in the suite at the start of term. PCs are also available at times when they are not booked for classes. Should you have

any difficulties using the PCs or you wish to report a hardware fault please contact the User Support Centre, Room 118, Computer Services (ext 3325). If necessary, the User Support Centre staff will make an appointment for a technical advisory session for you. Detailed information regarding use of University of Galway computer facilities is available at: https://www.universityofgalway.ie/cs/

Academic Skills Hub

The Academic Skills Hub aims to support all University Of Galway students to develop the key skills required for academic success. The Academic Skills Hub:

- Provides brief introductions to, and top tips on, **eight key academic skills**, as well as some information to help you get started
- Offers advice and resources for **studying in the online learning environment**
- Links to a range of **additional sources of support** for students, including Library resources and academic skills workshops

Further details and resources are available at https://www.universityofgalway.ie/academic-skills/

Academic Writing Centre

The mission of the Academic Writing Centre is to help students to become better writers. They provide free one-on-one tutorials on essay writing and also support student writing through workshops, modules, and competitions.

They offer help in the following areas:

- Brainstorming your essay topic and outline
- Structuring an argument
- Developing your thesis statement
- Improving sentence structure and punctuation
- Avoiding plagiarism
- Using secondary sources
- Editing and proofreading techniques

More information on the Academic Writing Centre here: https://library.nuigalway.ie/awc/

The Students Union (SU)

The Students Union provides information for First Year students which is useful for anyone who is new to University Of Galway: https://su.nuigalway.ie/help-advice/firstyear/ or call into the Students' Union at Áras na Mac Léinn. Check out the University's student services page: https://www.universityofgalway.ie/student-services/ The Students Union is very useful with regard to welfare and helping with academic performance. They usually run an excellent study skills workshop during the year.

Student Health Unit

The Student Health Unit provides on-campus medical care to full-time registered students in a confidential, professional and courteous manner. Students must be registered for the current academic year in order to avail of this service.

The unit is operating on a very strict **'BY PRIOR APPOINTMENT ONLY'** basis to ensure that optimal infection prevention and control measures can be maintained at all times. Students must be registered for the current academic year in order to avail of this service. **STUDENTS ARE NOT PERMITTED TO ENTER THE STUDENT HEALTH UNIT FACILITY WITHOUT FIRST CONTACTING THE PRACTICE.**

The Health Unit is located upstairs in Áras na Mac Léinn (beside the Students Union Office). Tel: 091-492604. https://www.universityofgalway.ie/health_unit/

Counselling

You may meet some challenges during university life. Counselling can be an important resource for you. If you would like to set up an appointment please
email: counselling@universityofgalway.ie or phone 091 492484.
They are located at No. 5 Distillery Road (on the right hand side in a two storey house). The website is: https://www.universityofgalway.ie/counsellors/

Business Student Advisor

Our Student Advisor, Teresa Lydon, is a support for students throughout their time at university. Students may seek advice or guidance on a variety of matters including academic, personal, professional or financial at various stages of their education. On speaking with our Student Advisor, a student may be referred to an individual staff member or another support service for further advice, relevant to the nature of the query.

Teresa is available to students by email and telephone during the mornings of Monday to Friday. It is a confidential service.

You can make an appointment by emailing businessstudentadvisor@universityofgalway.ie
Teresa's contact number is 086 0836646.
Further details: https://www.universityofgalway.ie/businessstudentadvisor/

Disability Office

Bernie McGee, Disability Officer, Room 216, Áras Uí-Cathail Tel. 353 (0) 91 492813

E-mail: disabilityservice@universityofgalway.ie

Postgraduate Admissions

Please see **Frequently Asked Question** section as your question may already have been answered there prior to presenting a query.
E : postgradadmissions@universityofgalway.ie
T : +353 91 495 999

Fees Office

E fees@universityofgalway.ie
www.universityofgalway.ie/fees

Accommodation Office

Accommodation advisory service: https://www.universityofgalway.ie/student-life/accommodation/

Parking

University Of Galway enjoys a central location in Galway City and with this, comes parking restrictions. A system to manage parking was agreed with the staff and students' union as follows:

- There are different types of spaces on campus, including spaces for:
  - staff permit holders only,
  - student permit holders only,
  - shared use (staff student permit holders) and
  - visitor/non-permit holder pay-and-display (P&D) spaces.
- You need a permit to park in University Of Galway, or you can buy a ticket from P&D machines. Please note, that P&D tickets ONLY apply to spaces marked in blue adjacent to the meters - P&D tickets do not allow you to park anywhere else. Permit holders can use P&D spaces, but you must buy a ticket.
- Your permit/P&D ticket allows you to park in specific places and you must familiarize yourself with the zones, and which permit applies to what carpark.
- There are also 'reserved' spaces and loading bays - do not park in these.
- You may use the universally accessible parking spaces if you have correctly procured and display an IWA 'blue badge' permit.
- If you park in the wrong place, or outside of a parking space, you may be clamped. If you don't display your permit, you may also be clamped. Clamp release fee is €60 and €80 after 6pm.
- You can get your student parking permit for a charge at the Parking and Information Office, Arts/Science Concourse. There are application forms on this site.

Allow plenty of time on your first visit to campus with your car. If you have any doubts whatsoever, check the website (below) or telephone/drop into the parking office on the concourse!

How to get a Student Parking Permit

Full details available at: https://www.universityofgalway.ie/buildings/service-helpdesk/parking-get-to-around/

If you park in a "Pay and Display" space, you must display a valid Pay & Display ticket and park only in spaces marked "Pay and Display". In accepting a student parking permit, you are deemed to have read and understood this Student Parking web page and the following rules and regulations. Please note that abuse of the parking management system may result in a disciplinary procedure.

Health & Safety

In the event of a medical, fire or Gardaí emergency prioritise the call to Emergency Services on 999/112.

In the event of a local building emergency (eg leak, electrical, plumbing), the Security Office or Buildings & Estates Helpdesk are available at the following numbers:

- University Security Office, telephone (091) 49**3333,** available 24/7
- Buildings & Estates Helpdesk, telephone (091) 49**2134** (during office hours, 09:00-16:00 Mon-Thurs and 09:00-15:00 on Friday)

Emergency contacts (further details):

https://www.universityofgalway.ie/buildings/contacts-emergency/

University of Galway Safety Statement

https://www.universityofgalway.ie/media/healthsafety/Safety-Statement-2022-with-Presidents-Signature.pdf

****Students are strongly encouraged to consult the University Of Galway website for information on college policies**.**

University Of Galway Campus Map

Please see the Campus map below for the locations of all the main University services and teaching buildings. The Economics discipline is located in the older part of the Cairnes building (marked 35 on the map), known as St Anthony's. You can expect your main location for on campus activity related to the programme to be in the Cairnes building, but other venues around the university campus may also be used, depending on class size, room capacities and availability etc. Full details of lecture times and venues will be provided prior to the start of each semester.

Some of the main room numbers for lectures are coded as follows:

- AM -- the Arts Millennium Building on the main campus

- AC -- The Arts/Sciences Concourse
- CA -- Cairnes Building (including the “St Anthony’s” part of it)
- ENG -- the Engineering Building (by the river, near Cairnes)
- IT -- the Information Technology Building on the main campus
- MRI -- Marine Research Institute
- UC -- Áras Uí Chathail, on the main campus, (near Áras na mac Léinn)

There are also various other campus maps online at:
https://www.universityofgalway.ie/buildings/maps/

Ollscoil na Gaillimhe
University of Galway

An Campas Spóirt, an Daingean - an tIonad Spóirt Réigiúnach san áireamh
Sports Campus, Dangan - including Regional Sports Centre

An tÁras Spóirt 46
Sports Pavilion

Teach Maryville 45
Maryville House

An Campas Thuaidh
North Campus

An Daingean A 43
Dangan A

Cúrsa Saoil 41
Lifecourse

Baile na Coiribe 39
Corrib Village

Baile an Chíorbhuí 38
Goldcrest Village

Eolaíochtaí Bithleighis 40
Biomedical Sciences

Institiúid na hEolaíochta Sonraí 44
Data Science Institute

Naíolann na hOllscoile 37
University Crèche

Páirceáil agus Taisteal 42
Park and Ride

An Campas Láir
Central Campus

An tIonad Nuálaíochta agus Gnó 32
Business and Innovation Centre

An tIonad Taighde agus Nuálaíochta 31
Research and Innovation Centre

An tIonad Taighde don Chothú Sláinte 36
Health Promotion Research Centre

Áras Cairnes 35
Cairnes Building

Áras Innealtóireachta Alice Perry 34
Alice Perry Engineering Building

Áras Mhaighe Seola 33
Moyola Building

An Clinic Teiripe Urlabhra agus Teanga 33
Speech and Language Therapy Clinic

An Campas Theas
South Campus

10 Bóthar an Chaisleáin Nua 47
10 Newcastle Road

14 Bóthar na hOllscoile 49
14 University Road

14 Bóthar na Drioglainne (An Oifig Slándála) 27
14 Distillery Road (Security)

An Chearnóg 1
Quadrangle

An Foirgneamh Anatamaíochta 18
Anatomy Building

An Foirgneamh IT 23
IT Building

An tIonad Spóirt 30
Sports Centre

Áras Dán na Mílaoise 24
Arts Millennium Building

Áras de Brún 17

Áras Mhairéad (Ma) Ní Éimhigh 16

Áras Mháirtín Uí Riain 7
Martin Ryan Building

Áras na Bitheolaíochta Daonna 11
Human Biology Building

Áras na Gaeilge 15

Áras na Mac Léinn 8

Áras Oirbsean 22
Orbsen Building

Áras Uí Argadáin 20
Hardiman Building

Áras Uí Chathail 10

Aula Maxima 1

Beár na Mac Léinn - Sult 8
College Bar - Sult

Bloc E 13
Block E

Bloc F 19
Block F

Bloc S 12
Block S

Bloc T 28
Block T

Bóthar na Drioglainne 26
Distillery Road

Ceoláras Emily Anderson 1
The Emily Anderson Concert Hall

Comhaltas na Mac Léinn 8
Students' Union

Deasc Eolais na Mac Léinn (SID) 10
Student Information Desk (SID)

Foirgneamh na nDán / na hEolaíochta 21
Arts / Science Building

Fortheach Institiúid Uí Riain 3
Ryan Institute Annexe

Halla Bailey Allen 8
Bailey Allen Hall

Institiúid na hEolaíochta Cliniciúla 51
Clinical Science Institute

Ionad na hÉireann do Chearta an Duine 4
Irish Centre for Human Rights

Ionad na Seirbhísí Poist 9
Mail Services Centre

Ionad Uí Dhonnchadha - An Drámaíocht, an Amharclannaíocht agus an Taibhléiriú 8
O'Donoghue Centre - Drama, Theatre and Performance

Institiúid Lambe 50
Lambe Institute

Oideachas 14
Education

Oideachas 52
Education

Réamhdhéantán Cois Abhan 29
Riverside Terrapin

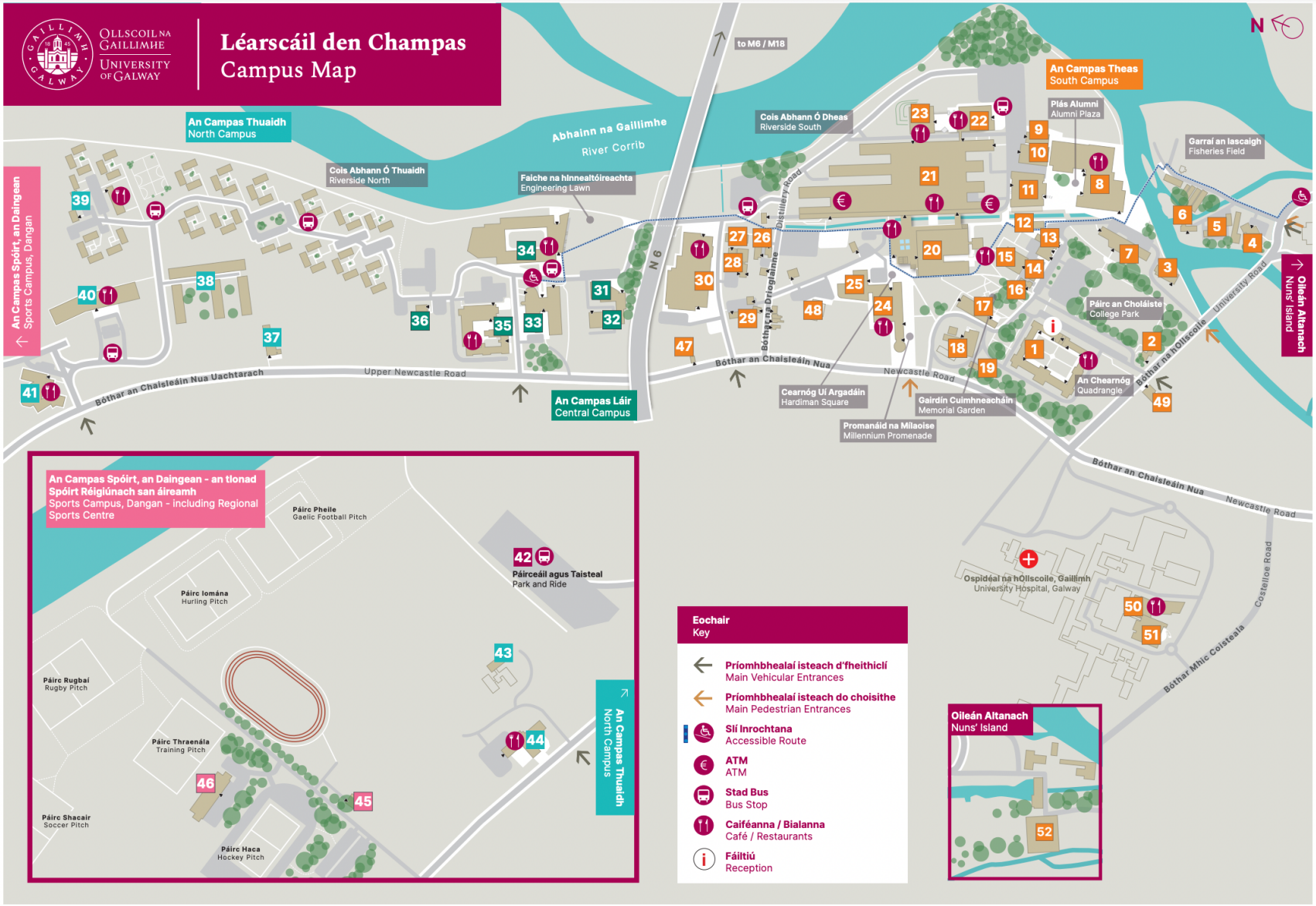
Réamhdhéantán Scoil Huston 5
The Huston School Bubble

Scoil Scannán agus Meán Digiteach Huston 6
Huston School of Film and Digital Media

Séipéal Naomh Columbán 48
The Chapel of St Columbanus

Síceolaíocht 25
Psychology

Teach an Gheata 2
Gate Lodge



Meet the Lecturers

The following economics staff usually teach on the core modules of the MSc Global Environmental Economics programme, and are also the main members of staff normally allocated to supervise student dissertations on the programme.

Edel Doherty

Edel Doherty is a lecturer in Economics at the J.E. Cairnes School of Business and Economics and she is a member of the Health Economics & Policy Analysis Centre (HEPAC). Her research is focused on the application of discrete choice experiments, economic evaluation and econometrics in Health and Environmental Economics. She has published across a range of areas and she is particularly interested in exploring the socio-economic drivers of health, health inequalities and preferences for health and healthcare. Her work to date has been published in a number of leading international peer-reviewed journals such as Social Science and Medicine, the Journal of Economic Behaviour and Organisation, Health Affairs, Economics and Human Biology, European Review of Agricultural Economics and the Journal of Agricultural Economics. Since joining University Of Galway Edel has participated in a number of successful European and National research funding applications to the value of over €3.5 million euro. Previously Edel worked at Queen's University Belfast and she was a visiting scholar to the UC Berkeley in 2009 and Simon Fraser University in 2019.

Stephen Hynes

Stephen is a professor in the Disciple of Economics at University Of Galway. He is also the director of the Socio-Economic Marine Research Unit. He has a PhD in Environmental Economics from Stirling University, Scotland. He is currently the Principle Investigator on a number of large multi-disciplinary projects including the Marine Institute funded "Valuing and understanding the dynamics of Ireland's Ocean Economy" and is lead partner on the EU INTERREG funded MOSES project. He is also a partner on the EU Horizon 2020 funded MERCES

and ATLAS projects. Stephen has a strong background in applied environmental/natural resource economic research and extensive work experience in econometric modelling. He has previously worked as an environmental economist in the Rural Economy Research Centre, Teagasc. Stephen's main research interest is in microeconomic behaviour analysis, related to marine/agriculture and rural development policy and his work has been published by a number of the top-ranked journals in the fields of marine, environmental and natural resource economics.

Tom McDermott

I am the Galway University Foundation Lecturer in the Economics of Climate Change and Development at University Of Galway. I am also Director of the MSc in Global Environmental Economics at University Of Galway, a founding member of the Center for Economic Research on Inclusivity and Sustainability (CERIS), and a former IRC Government of Ireland Research Fellow. My research interests are at the intersection of environmental and development economics. I have published widely, including in leading economics journals, as well as more generalist science and social science journals. My research has been cited in recent high profile IPCC reports (in 2018 and 2022). I am also co-editor with Sam Fankhauser of *The Economics of Climate Resilient Development* (Edward Elgar, 2016). I have previously consulted for the World Bank, Asian Development Bank, the Irish EPA and Ireland's Department of Communications, Climate Action and Environment, including contributing a background paper for Ireland's first statutory National Climate Change Adaptation Framework .

Ashley Piggins

Ashley teaches economics in the J. E. Cairnes School of Business and Economics. He holds a PhD in economics from the University of Bristol, having previously studied in Cambridge and London. His Erdös number is 3. Ashley is an "Old Blue" having represented Cambridge University in tennis in the 1990s. His research lies at the intersection of economics, political science and philosophy. He is interested in welfare economics, social choice theory, game theory, philosophy of economics and electoral systems (particularly the U.S. Electoral College). Ashley has published papers in the Journal of Economic Theory, Economic Theory,

Journal of Mathematical Economics, Social Choice and Welfare, Mathematical Social Sciences, Economics and Philosophy, Economics Letters, Journal of Logic and Computation, PS: Political Science and Politics, and Electoral Studies. Ashley has given invited research seminars at Université de Paris 1 Panthéon-Sorbonne, Paris School of Economics, University of Bath, University of Birmingham, University of Bristol, Trinity College Dublin, Queen's University Belfast, Université de Caen, Universidad de Murcia, Universität Osnabrück, University of St. Andrews, University of East Anglia, University Of Galway, Maynooth, Ludwig-Maximilians-University Munich, London School of Economics, CORE, Université Catholique de Louvain, Karlsruhe Institute of Technology, Durham University, Universidad Zaragoza and Union College. He has taught at the University of Nottingham, University of Bristol, Queen's University Belfast and Trinity College Dublin. He is a Fellow of the Higher Education Academy (UK).

Tom Van Rensburg

Tom teaches economics and environmental economics in the J.E. Cairnes School of Business and Economics. He received his undergraduate degree from University College of North Wales, Bangor and completed his postgraduate studies at the University of York, UK. His research is multidisciplinary and focuses on the economics of renewable energy, economics of biodiversity, valuation of environmental public goods and ecosystem services and common property resources and the economic analysis of institutions. Tom has published over 30 peer reviewed publications and various reports associated with a variety of economic studies both nationally and internationally. He has published in Land Economics, Ecological Economics, the Journal of Agricultural Economics and the Journal of Environmental Planning and Management. He has coordinated two Republic of Ireland Department of Agriculture Fisheries and Food (DAFF) stimulus funded projects and was a Co-investigator on two marine Framework projects including PROTECT (EU FP6), and HERMIONE (EU FP7). He has 5 PhD completions and presently has three PhD students working on topics including the economics of controlling nitrate emissions and renewable energy economics.