



NUI Galway
OÉ Gaillimh



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COVID-19



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Advice

You should not be on campus if you have symptoms of COVID-19.

Ensure that you have checked in on the HSE COVID Tracker App.

Please leave if you are feeling unwell or are a close contact of a confirmed case.

- Questions for the Lecturer?
 - **Do not gather** around the teaching station to ask questions at the end of the session
 - Send queries to firstname.surname@nuigalway.ie

- Conduct of the Session
 - Maintain **Physical Distance** between you and others
 - Only use **Designated Seats**
 - **Clean** your workspace
 - Confirm your **Attendance**
 - Wear your **Face Covering**
 - Unless medically excused
 - Cover your mouth & nose while **Sneezing & Coughing**
 - Do not share **Personal Items**
 - **Do not Congregate** afterwards and exit by following the **Signage**
- Stay informed
 - NUI Galway App
 - NUI Galway Alerts: www.nuigalway.ie/alert
 - HSE website: www.hse.ie

Due to COVID-19 lectures will be conducted online: they will be pre-recorded and will be made available for these timetable times.

It is critical that students keep up to date with individual module Blackboard Announcements and Handbooks to know when face-to-face activities are taking place. The level of face-to-face activities will vary across modules, with specific details available at the beginning of the semester.

Discipline of Geography 2nd year timetable 2020/2021

Semester 1				
ECTs	Second Year	Coordinator	Day, Time & Location	Assessment
5	T1251 Theory & Practice (core)	Dr Chaosheng Zhang	Wed 3pm & Wed 5pm (online through Blackboard In addition 5 tutorial slots providing face-to face teaching. See module outline below for further details)	CA
5	T1248 Coastal Environments	Dr Eugene Farrell	Mon 10am & Mon 1pm (online through Blackboard, one face- to-face fieldwork element during the semester, date and time TBC)	CA
	OR T1254 Space, Place & Irish Landscape	Prof Ulf Strohmayer	Mon 10am & Mon 1pm (online through Blackboard one face- to-face fieldwork element during the semester, date and time TBC)	CA
5	T1235 Biogeography	Dr Terry Morley	Tues 1pm & Thurs 10am (Online through blackboard with face to face field work in week 3)	CA
	OR T1229 Political & Cultural Geography	Dr Kathy Reilly	Tues 1pm & Fri 9am (online through Blackboard)	CA
10	T12102 Introduction to GIS	Dr Chaosheng Zhang	Mon 10am (online through Blackboard)	CA
Semester 2				
5	T1252 Theory & Practice (core)	Dr Chaosheng Zhang	Tues 1pm & Fri 9am (online through Blackboard In addition a number of tutorial slots providing face-to face teaching. Details TBC)	CA
5	T1258 Rural Environments	Dr John McDonagh	Mon, 10am & Mon, 1pm (online through Blackboard)	CA
	OR T12104 Marine Spatial Planning	Dr Liam Carr	Mon 10am & Mon 1pm (face to face teaching with a synopsis of lecture content provided on blackboard)	CA
5	T12105 Tíreolaíocht Tuaithe: Socai, Spás agus Eacnamaíocht	Aoife Ni Fhlatharta	Wed 3pm & Wed 5pm (Online through blackboard with possibly once a month face to face lecture)	CA
	OR T1230 Economic Geography	Dr Pat Collins	Wed 3pm & Wed 5pm (online through Blackboard)	CA
	OR T1216 Weather & Climate	Dr Gordon Bromley	Wed 3pm & Wed 5pm (online through Blackboard 3 hr face- to-face tutorial element during the semester, date and time TBC)	CA

***15 ects are required for each semester**

Key contacts in Geography

Head of Geography	Dr John McDonagh
Geography Administrator	Christina Costello
Senior Technician/Cartographer	Dr Siubhan Comer
1 BA Programme Coordinator	Dr John McDonagh
1 BA Geography in Practice Coordinator	Dr Valerie Ledwith
2 BA Programme Coordinator	Dr Chaosheng Zhang
Irish Tutor	Aoife Ní Fhlatharta
BA International / Visiting Students / Erasmus	Prof Ulf Strohmayer
Staff-Student Liaison Officer	Dr Siubhan Comer
Plagiarism Matters	Dr Kevin Lynch
Safety Officer	Dr Siubhan Comer

2BA Geography Module Outlines 2020/2021

Module: TI 251 - Theory and Practice I (compulsory)
Lecturer: Dr Chaosheng Zhang

The aim of this module is to further develop your understanding of the various aspects of doing geographical research and producing geographical knowledge. The focus is on four existing research clusters prioritised by Geography at NUI Galway: 1. Environmental Change; 2. Rural Change and Development; 3. Geopolitics and Justice; 4. Planning and Sustainability. You will be introduced to key concepts pertinent to each research cluster, supported by empirically- and theoretically-based case study examples of research being conducted by Geography academic staff at NUI Galway. You will gain a deeper understanding of the integration of theory and practice in geography. This module aims to provide a basis to develop your undergraduate research (dissertation) projects in your final year, and through this, a foundation for potential future study in Geography's postgraduate programmes.

Upon completion of this course, you will have:

- a deeper understanding of knowledge production in geographical research;
- a critical understanding of contemporary theoretical and methodological approaches to doing research in geography;
- the ability to think critically about what it means to 'do' geography.

• **TI251 Theory and Practice in Geography. Semester 1, 2020-2021**

Co-ordinator	Dr. Chaosheng Zhang		
E-mail	Chaosheng.Zhang@nuigalway.ie		
Office	Room 108, Discipline of Geography; Office hours: Monday 3-4; Tuesday 3-4		
Lecture Hours	Wednesday	3-4pm 5-6pm	IT250 (First Floor IT Building & online) AM200 Fottrell Theatre (Arts Millennium & online)

Due to restrictions of Covid-19, during Weeks 1 and 2, students are separated into 4 groups.
 Sign-up sheet is available on Blackboard before the start of new semester.

Wk	L. no	Lectures	Instructor(s)	Topic (Notice: Details are subject to change/update during the semester)
Environmental Change Research Cluster				
1	1 / 2	Sept 30	Chaosheng Zhang	Group1: Course Introduction/ Covid-19 Q&A (Face to face teaching, IT250)
1	1 / 2	Sept 30	Chaosheng Zhang	Group 2: Course Introduction/ Covid-19 Q&A (Face to face teaching, AM200 Fottrell Theatre)
2	1 / 2	Oct 7	Chaosheng Zhang	Group 3: Course Introduction/ Covid-19 Q&A (Face to face teaching, IT250)
2	1 / 2	Oct 7	Chaosheng Zhang	Group 4: Course Introduction/ Covid-19 Q&A (Face to face teaching, AM 200 Fottrell Theatre)
3	3	Oct 14	Aaron Potito	Reconstructing Past Environments (Blackboard online delivery, and online for the following lectures unless otherwise stated)
3	4	Oct 14	Karen Molloy	Reconstructing Past Environments
4	5	Oct 21	Gordon Bromley	The terrestrial story of 'abrupt' climate change, its causes and impacts
4	6	Oct 21	Gordon Bromley Karen Molloy Aaron Potito	On campus visit to physical geography labs (Detailed timeslots for sign-up sheet to be available on Blackboard)
Rural Studies Research Cluster				
5	7	Oct 28	Shane Conway	Generational Renewal in Agriculture
5	8	Oct 28	Lecture B/SC	Generational Renewal in Agriculture
6	9	Nov 4	Marie Mahon	The contested countryside – competing experiences of rurality
6	10	Nov 4	Maura Farrell	The contested countryside – competing experiences of rurality

Geopolitics and Justice Research Cluster				
7	11	Nov 11	John Morrissey	Critiquing geopolitics and international relations: military interventionism
7	12	Nov 11	Maeve McGandy	Critiquing geopolitics and international relations: military interventionism
8	13	Nov 18	Kathy Reilly	TBA
8	14	Nov 18	Kathy Reilly	TBA
Planning & Sustainability Research Cluster				
9	15	Nov 25	Ulf Strohmayr	Urban Planning 1: Transport and the city (Galway)
9	16	Nov 25	Lecture B/UF	Urban Planning 2: Urban renewal (Ceannt Station)
10	17	Dec 2	Liam Carr	Social ecological systems
10	18	Dec 2	Lecture B/LC	Social ecological systems
11	19	Dec 9	Pat Collins	Urban entrepreneurialism: using festivals and events to promote places
11	20	Dec 9	Lecture B/PC	Urban entrepreneurialism: using festivals and events to promote places
12		Dec 16	Theory and Practice Student consultation week (No lectures)	

Module: TI 229 – Political and Cultural Geography

Lecturer: Dr Kathy Reilly

This module provides a critical analysis of key concepts in political and cultural geography. Drawing on key geographic concepts the module provides a framework for understanding contemporary events with respect to culture, politics and the nation-state. It is divided into a series of distinct sections. The course begins with an analysis of issues linked to territoriality and the concepts of nationalism and the development of the nation-state. It progresses to examine focal events and issues associated with religious nationalism, racism, discrimination and the evils of genocide. This module also provides an introduction to the arenas of classical and critical geopolitics, interrogating aspects of a post 9/11 world. It will conclude by looking at the powerful position that the media holds in the transmission of knowledge and the legitimisation of action. A number of political and cultural geographies will be examined to illustrate concepts from the lectures and key readings, including: the construction of national identity in Ireland; division and conflict in Israel/Palestine; genocide in Bosnia and Rwanda; and the globalisation of terror.

A number of tutorial classes and appointments will be available for students to support in the completion of the assignments. Tutorials will take place online during Weeks 4/5 and Weeks 8/9 (depending on student numbers registered for the module). Students are expected to attend one tutorial per assignment (each student will therefore attend two tutorials for this module). Details relating to small group tutorials will be provided during recorded lectures and on Blackboard.

Each week students can avail of additional support through online Support Hours. These take place each Wednesday from 10 – 12 (subject to change if required). These hours will operate as drop-in sessions and will provide an opportunity for students to ask questions or request clarification on anything discussed during lectures. Students may also ask questions relating to the module's continuous assessment during these. These office hours will be first come first served and will be run exclusively online.

**This course will be delivered online this semester*

Module: TI 216 – Weather & Climate
Lecturer: Dr Gordon Bromley

This course is designed to provide students with applied example of weather and climate phenomena that have a strong impact on human activities. Each week will focus on an acute environmental problem that will be explained and analysed in in-class exercises. Case studies will focus on weather (e.g. storms, hurricanes, drought, flooding) and climate (e.g. past climate change and future global warming) events to provide students with context.

(Language of instruction: English)

Learning Outcomes

- Sketch and explain simple diagrams, maps, or figures relating to weather and climate related environmental issues.
- Explain extreme weather events (including storms and heat waves) in Ireland.
- Explain risks associated with global warming for Ireland and Europe.
- Discuss mechanisms controlling global and regional climatologies (e.g. Monsoons, El Niño)
- Diagram and explain positive and negative feedbacks in climate systems
- Use examples from Earth history to explain how Earth's climate changes on a variety of different timescales
- Comprehend a basic weather map

All lectures (2 per week) will be delivered online, both through live and pre-recorded lectures and Q&A. All tutorials (3 hour-long tutorials in total) will be held in person at NUIG with Teach Assistant Ms. Adrienne Foreman; students will select one of five possible time slots for each tutorial during Week 1.

** This year, teaching will be delivered online, with face- to-face tutorial element during the semester, date and time TBC*

Module: TI 248 – Coastal Environments
Lecturer: Dr Eugene Farrell

Most of the character of our shorelines is the result of the interaction of tides and waves operating on a platform of changing sea levels. If we consider sea level to be constant there are three primary variables driving coastal evolution: tides, waves, and sediment availability. The interaction of these processes impacts a wide range of coastal applications including sediment budgets, shoreline morphodynamics, long-term stability of beaches, coastal evolution, and assessing the impact of sea-level rise on coasts.

This module focuses on these themes by conducting

- a critical analysis of different coastal environments in Ireland,
- analyses of the different methods used in scientific experiments of coastal systems,
- an in depth analysis of sediment exchange along the nearshore-beach-dune continuum and
- assessments of how national climate policy impacts coastal management at community levels.

** This year, teaching will be delivered online, with one face- to-face fieldwork element during the semester, date and time TBC*

Module: TI 254: Space, Place and the Irish Landscape

Lecturer: Professor Ulf Strohmayer

This jointly taught module aims critically to explore the historical and contemporary complexities of Irish culture, place and landscape through select case-studies, thematic and/or locational, and through a range of theoretical concerns from both Archaeology and Geography. The module engages the key challenge of carefully contextualising and historicising understandings of landscape, heritage and environment, and exploring urgent contemporary questions of landscape/environment sustainability, governmentality and management. The module will provide an introduction to the various ways in which human societies interact(ed) with their environment, and will be able to provide both chronological depth and thematically-specific case-study knowledge of key sites and spaces across the island of Ireland.

Key Learning Outcomes:

The course aims to promote

- the ability critically to read the rich diversity of landscape, culture and heritage across the island of Ireland and to understand its key historical contexts
- the proficiency to deconstruct the various political, cultural, economic and symbolic significances of a range of Irish urban and rural landscapes
- the capability to see landscape, memory and heritage as concepts which are fluid, politically and socially constructed and reproduced, and ultimately contested the capacity to interpret representations of historical and contemporary landscapes from a range of theoretically informed and multi-disciplinary perspectives.

** This year, teaching will be delivered online, with one face- to-face fieldwork element during the semester, date and time TBC*

Module: TI2102 - Introduction to GIS

Lecturer: Dr Chaosheng Zhang

Module Objectives/Learning Outcome:

- Understand basic concepts in GIS
- Solve basic GIS application problems
- Acquire computer skills in GIS, including data collection, editing, database management, basic analysis, and map design
- Produce professional GIS maps
- Analyse geographical data using GIS

This course covers the basic concepts and applications of a geographic information system (GIS). The topics of GIS data concept, data modelling, attribute management, data input and analysis are explained. GIS software ArcGIS is selected as the main training software package for computer practical in this course. Students will have general knowledge of a GIS and acquire the basic techniques of GIS software to independently produce professional maps and carry out spatial queries and GIS analyses. Upon successful completion of this course, students will be able to independently complete a simple GIS project.

Lecture content

- Introduction: overview, definition
- Spatial data concept

- Spatial data modelling
- Attribute data management
- Data input
- Data analysis

Computer practical content

- Getting started; Interacting with data; Coordinates; Symbolizing; Classifying
- Labelling; Layout design; Table joining; Selecting; Editing; Querying; Analyzing; QGIS

Lectures: 12 hours Lecture (1 hour per week) (Blackboard online)

Practical: 44 hours Computer practical (AC 216 GIS Lab, Arts/Science Building)
 Extra hours Tutorial (Optional, for students needing help for the assignments)
 4 hours (2h on Monday/Tuesday + 2h on Tuesday/Wednesday) per week
 Due to Covid-19 restrictions, students are separated into 3 groups.
 Sign-up sheet will available via Blackboard in Week 1.
 Mon 12-2, 2-4, Tues 10-12, 12-2, Wed 9-11, 11-13.
 Computer practical starts from Week 2.

Off-campus access to GIS software ArcGIS: After students are registered, the lecturer will send a request to the GIS company ESRI to request individual license for each student.

Module: TI 252 - Theory and Practice 2 (compulsory)

Lecturer: Dr Chaosheng Zhang

The intention of this course is to develop students' understanding of the various traditions of doing geographical research and producing geographical knowledge. The course introduces students to both theory and practice in geography, focusing in particular on relationships between geographical concepts and the practices of geographical research. Geographical thought will be considered through lectures and assignments that examine the wide range of interconnected theoretical and methodological assumptions that underwrite analysis and evidence gathering in the discipline. In addition, the course aims to familiarise students with the different ways that geographers do research. Critical analysis of all approaches to geographical knowledge will be stressed. Particular emphasis is put on developing a critical understanding of what it means to do geography and make geographical claims.

Key Learning Outcomes:

Upon completion of this course, students are expected:

- to gain an understanding of the history and practice of the discipline;
- to gain a critical understanding of the different theoretical and methodological approaches to all knowledge production in geography;
- to develop the ability to think critically about geography and what it means to 'do' geography.

Module: TI 218 - Rural Geography: Society, Space and Economy

Lecturer: Ms. Aoife Ni Fhlatha

Is iomaí fás agus forbairt atá tagtha ar cheantair tuaithe na hEorpa le roinnt blianta anuas. In ainneoin an gaol agus bá láidir steiréitíopach idir iad agus cursaí talamhaíochta, tá feidhm na ceantair tuaithe athruithe go mór agus ról lárnach le n-imirt acu anois chun dul i ngleic le fadhbanna móra an tsaoil (athruithe aeráide, fás daonra, slándáil bia, srl.) Is í aidhm an mhodúil seo go gheobhfaidh micleinn leargas níos doimhne ar ghnéithe de cheantair tuaithe na hEorpa agus go mbeadh saineolas acu ar na coincheapa acadúla atá tagtha chun cinn. Breathnófar ar na hathruithe atá tartlaithe laistigh de shochaí na tuaithe de bharr tionchar domandaithe agus pléifear céard atá i ndán dóibh dar bharr i dtearmaí sóisialta, cultúrtha agus eacnamaíochta. Ó d'fhógair an Coimisiún Eorpach an tábhacht a bhaineann le cursaí inbhuanaitheachta, tá tús aite tugtha do fhorbairt tuaithe ó thaobh cursaí polsaithe de agus é níos minice ná a mhalairt sáite i straitéisí eacamaíochta an Choimisiúin; déanfar iniúchadh ar an bhunchuspóir atá le na polsaithe seo agus an athchóiriú atá siad á dhéanamh ar cheantair tuaithe na hEorpa. Forbrófar scileanna anailíse, teanga agus léitheoireachta an mhic léinn.

Ar chríochnú an mhodúil seo beidh:

- Tuiscint ag an mac léinn ar chuid de theoiricí acadúla atá snáitheithe le na ceantair tuaithe.
- Léargas ag an mac léinn ar thionchar domhandú ar cheantair tuaithe na hEorpa.
- Eolas ar ról na polsaithe agus an tábhacht a bhaineann leo le haghaidh forbairt tuaithe.
- Tuiscint ar struchtúr fostaíochta agus ról na mban sna ceantair tuaithe.

**Delivery of lectures will be predominately online with one lecture a month face to face where possible. Help will also be provided through a number of tutorials to help with the assignments.*

Module: TI 258 - Rural Environments; Sustainability and Management

Lecturer: Dr John McDonagh

Module Outline:

Rural areas are spaces of opportunity, engines of growth in a world of economic uncertainty. Rural areas are challenged in terms of their role in providing safe and secure food supplies; they are lauded and criticized in terms of climate change and mitigation. Alongside the decline in traditional activities there is equally a growth in terms of new demands being placed on rural environments, demands for quality food production, public amenity space, conservation and environmental protection. The multiple scales of these discussions, global to local, and the intensity and increased volume of rural debate that has emerged, sees rural geographers occupy a very interesting space in terms of conceptualisations, engagement and understanding of rural livelihoods and rural sustainability. Through the lens of agriculture and related spheres, this course seeks to explore some of these challenges as they are played out in contemporary society. The course uses national and international examples to explore such issues as agricultural policy particularly CAP, landscape management, conservation and sustainability. The aim of the course is one of encouraging students to view the rural as a combination of forces that interact within and between different systems to produce the complex environment in which we live. This course engages with key issues that focus on: CAP; Rural Policy and Strategy; Issues of Governance; Management issues; Multifunctionality; the *Family Farm*, Rural Tourism, Agri-environmental Policies and Rural Futures

Key Learning Outcomes:

- To understand the rural landscape its policy, governance and management
- To improve critical and analytical skills;

- To link theoretical observations with practical examples;
- To assess the principal methods and approaches that can be employed to develop our understanding of the rural landscape.

**This course will be delivered online this semester*

Module: TI 235 - Biogeography
Lecturer: Dr Terry Morley

This class provides an introduction to the study of biogeography. Bridging the fields of biology (particularly ecology) and geography, biogeography is the study of the spatial patterns of biological diversity and its causes. We will identify how historical, physical, and biological factors affect present and past distributions of individuals, species, populations, communities, and ecosystems. The actions of humans are a critical force impacting other species, and the human influence on past, present, and future species distributions is a central topic in this module.

Key Learning Outcomes:

This course offers a survey of the basics of biogeography and introduces students to various methodologies used in biogeographic research. Hands-on field, lab, and data analysis exercises will allow students to put learned concepts into practice, and give students experience working with the techniques used by biogeographers. The following learning outcomes are expected upon completion of this course:

- To identify and differentiate the basic principles and theories of biogeography
- Application of standard field methodologies and data analysis techniques used in biogeography to analyse and examine applied problems
- To assess and evaluate human impacts on species distributions and apply modern conservation strategies to these issues

**Due to COVID, this module will be primarily delivered via an online*, blended learning format with one field trip. Lectures and readings will be provided on Blackboard with continuous assessments included as both a pre-recorded video tutorial and a live Q&A session. Each week, during the normal Thursday class time we will host a live office hour/ web chat via Blackboard Collaborate where students are free to ask questions regarding course material.

The class will meet in week three (the week of 12-16 October) for a field trip to a site near the campus. We will randomly allocate students into small groups with a specific time to arrive at the designated location. Here the instructors will lead you through the exercise. We will base subsequent assessments on this site visit, thus attendance is strongly recommended.

Module: T1230 - Economic Geography
Lecturer: Dr Pat Collins

Economic geography offers a unique perspective on many of today's key issues. From the economic restricting resulting from a global pandemic to the ongoing globalisation experiment, the aim of this course is to offer students an alternative viewpoint that comes from the plurality of approaches in economic geography.

The course will introduce you to some of the key thinking in economic geography, which seeks to explain the clustering and unevenness of economic activity throughout the world. It will explore the process of globalisation and the role of transnational corporations and foreign investment in that process.

An underlying theme of the course will be the impact of technology on the evolution and changing nature of economic activity. From infrastructure investments to smart phone, the new geography of economic activity is changing rapidly. Throughout the course you will be reminded of policy relevance of economic geography. In addition to examining regional development challenges, attention will also be given to the challenge faced by peripheral rural areas in exploiting the benefits of new technologies. The approach taken in this course will be very applied and related to the policy issues focused on by government agencies in Ireland such as the IDA Ireland, Enterprise Ireland and case studies of emerging industries (App developers and craft beer brewers). The course will consider economic geographies of recession as well as focus on the rise of creative and cultural economic geographies.

Key Learning Outcomes:

- An understanding of key issues in today's global economy
- An ability to critically engage with current debates on uneven development
- An understanding of the theory – policy – reality continuum and the place of academic thought.
- Exploration of case studies of particular industrial sectors
- A consideration of the lasting impacts of COVID 19.

***This course will be delivered online this semester**

Dr Collins will be making use of a number of technological tools to talk you through the slides and recreate the in class environment as much as possible. Lectures will be uploaded on a Wednesday coinciding with the timetable. Supporting video and podcasts along with the recommended readings will be posted on Blackboard each week. Face-to-face engagements will be organised by email and can take place in person or online.

Module: TI 2104 - Marine Spatial Planning
Lecturer: Dr Liam Carr

Marine spatial planning is promoted as a means of managing multiple human uses of the marine environment in a more sustainable manner than other approaches. This module focuses on the historical importance and context of the marine sector in securing economic and cultural goods, critiquing various single- and multi-sector management regimes and policies. Using case studies both from Ireland and abroad, this module covers: social-ecological systems, the social construction of the marine environment, ocean governance and citizenship, drivers of marine spatial planning, ecosystem-based management, and the collaborative planning of marine resources.

Key Learning Outcomes:

- Identify formal and informal institutions which structure human uses of the marine environment
- Interrogate formal and informal institutions through the application of appropriate geographic theories and concepts to develop an informed and intellectually grounded critique
- Apply geographic theories and concepts to marine and coastal social-ecological systems
- Creatively analyse, synthesise and present results and conclusions effectively and comprehensively, both orally and in written form
- Contribute effectively to the existing body of geographical and environmental knowledge through discussion, reading interpretation and analyses, and formative writing

Lectures will be held in-person, following university guidance for social distancing. Supplemental instructional materials will be available online, providing asynchronous learning opportunities. Students are expected to have a reliable internet connection. On-campus lecture time will be split into formal lectures and discussions to facilitate student learning and provide suitable guidance for assigned work.

COMPLETION AND SUBMISSION OF EXERCISES

All assessment will be accessible via Blackboard and all written assessment should be submitted via Turnitin. To log into Blackboard, go to the website www.nuigalway.blackboard.com.