

Sustainability

Level 1

Core

<u>Module Code</u>	<u>Module Title</u>	<u>Credits</u>	<u>Notes</u>
<u>GEO1310</u>	Geographies of Environment and Sustainability	15	Through this module you will explore the Geographical themes that emerge in contemporary environmental issues. The module aims to provide an inter-disciplinary understanding of relationships between natural and human systems and the application of this knowledge to contemporary issues related to sustainable development.

Options

<u>ARA1010</u>	Politics and Economy of the Contemporary Middle East	15	Good all rounder - intro to the Middle East Studies - complements ARA2162 Political Economy of Development in the Middle East
<u>ARA1037</u>	The Politics of Development	15	The module provides an introduction to contemporary research on the politics of development, covering issues such as colonialism, political parties, political systems, civil conflict, gender and inequality, international financial institutions, poverty, foreign aid and democratization, populism and leadership.
<u>BEE1025</u>	Statistics for Business and Management	15	Pre-req for some later stage modules. This course will familiarize students with the rudiments of statistics. Students will learn basic concepts of probability and statistical inference, focusing on an intuitive approach to understanding concepts and methodologies. Students will be introduced to statistical and critical thinking, including descriptive statistics, probability, sampling distributions, interval estimation and hypothesis testing.
<u>BEM1018</u>	Business and Society	15	This module is designed to help students to open up their understanding of the relationships between business and society through a focus on responsibility. Throughout the module you will be engaging in case study work, debate and independent research.
<u>BEM1016/1016A</u>	Theory and Practice of Management	15	Runs in term 1 or 2 - module acts as a good all-rounder introduction to Management / Leadership modules, and is a pre-req to some later BEM modules

<u>BEM1019</u>	Fundamentals of Marketing	15	Pre-req for some later stage option modules such as BEM2016 Consumer Behaviour.
<u>BIO1336</u>	Ecology	15	Normally A Level (or equivalent) in Biology, but students from other disciplines (mathematics, geography, etc.) are strongly encouraged to consider this module.
<u>BEM1022</u>	Introduction to Leadership Studies	15	You will examine significant literary, historical, and philosophical sources for insights on the nature and character of leadership, as well as more contemporary (and often more theoretical) reflections on both leadership practices and the varied disciplines that study them. Each week, we will explore a different leadership theory, using it as a 'lens' which can bring some aspects of leadership into focus, and make other aspects blurred.
<u>GEO1106</u>	Geographies of Global Change	15	Through a focus on key spatial concepts within globalisation studies, alongside a series of key issues, you will gain an overview of contemporary debates related to the geographies of globalisation and sound knowledge of relevant key processes. You can expect to be exposed to challenging, politically contentious ideas.
<u>GEO1213</u>	Earth System Science: Our Changing Planet	15	The module examines the geosphere, ocean and atmosphere, cryosphere and biosphere, and how these systems have been, and may continue to be, influenced by human and naturally-induced environmental changes. The major components of the Earth System will be brought together in the context of contemporary climate change.
<u>POL1018</u>	Facing The Challenges of World Politics in the Twenty-First Century	15	Good all rounder - intro to global politics issues including sustainability but also to IR modules in general
<u>SSI1005</u>	Introduction to Social Data	15	Much social science research uses quantitative research methods and statistics to investigate social phenomena ranging from employment, crime rates, health outcomes, political participation and social class. This introductory first-year module introduces you to key concepts in quantitative research design, data collection and data analysis as a basis for understanding such social phenomena
<u>SSI1006</u>	Data Analysis in Social Science 1	15	Compliments SSI1005 which is a pre-requisite. The purpose of the module is to introduce you to data analytical tools commonly used in social science research. It is designed for students with no previous experience of quantitative methods or statistics. You will also become familiar with statistical software packages (Excel and R) commonly used in academic and workplace settings. Laboratory (Lab) sessions will be used to re-enforce the material covered in the lectures and to help apply the core concepts seen in class to relevant practical problems. This module is a pre-req for the level 2 Data Analysis modules in Social Science.

Level 2

Core

<u>Module Code</u>	<u>Module Title</u>	<u>Credits</u>	<u>Notes</u>
<u>LIB2007</u>	Communicating Global Challenges in a Changing World	15	Living and working in the 21st Century brings a range of challenges and opportunities at a scale that society has not faced before. A rapidly growing and more demanding world population is putting unsustainable stress on the natural environment. One of the biggest challenges in this context is how to communicate the complexities and challenges of sustainable development in a compelling way.

Options

<u>ANT2014</u>	Cultures: Food	15	Food is of course crucial to human existence all across the planet. Yet patterns of food production, preparation and consumption vary hugely across the planet, both today and in the past. Which foods people think are delicious and which they feel are disgusting can tell us a lot about those people, from how they organise their everyday lives to the cultural and social forces and institutions that shape them in profound ways, such as their religion and beliefs, their politics, their position in systems of social stratification, and their senses of themselves. Food is therefore an excellent way of understanding broader social and cultural issues.
<u>ANT2024 / SOC2052</u>	Environments in Public	15	Environmental issues are a key – and fiercely contested – area of social and political debate in contemporary society, as concerns widen over the severity and speed of environmental change due to human activities. In this module, we will learn about the complex social processes involved in public debates about our changing environment since the invention of the ‘the environment’ during the 1960s; and over what individuals, institutions, and society can - and should - do about it.
<u>ANT2023</u>	Theory and Methods of Food Preservation	15	This module examines food preservation, with a focus on artisan methods and small- to medium-sized enterprises in South West England. You will learn theory and methods of pickling and preserving, sourdough baking, fish smoking, butchery and charcuterie, cheese making, and cider making. Traditional and contemporary artisan technologies will be examined in historical perspective, along with the changing socio-economic environments and livelihoods associated with the making of these foods.

ANT2042	Gardening, Wellbeing and Community	15	You will study a variety of food practices originating from different parts of the world—foraging, permaculture, forest gardens, home-gardens—as well as the crops associated with them, and how these practices have evolved. In collaboration with the University of Exeter’s Community Garden you will have ample opportunity to practice these techniques, along with methods such as raised beds and bee keeping. You will also visit exemplary growing sites and community gardens in the South West that have developed or used these approaches.
ARA2118	Gender-Identity and Modernity in the Middle East	15	In this module you will explore interrelationships between gender, identity and modernity in the contemporary Middle East. You will learn to critically analyse the various debates, tensions and transformations that are linked to changing gender relations in the region. These debates are often framed within the parameters of modernisation, nationalism, feminism and Islamism.
ARA2135	Conflict and Peace making Palestine/Israel	15	It is no exaggeration to say that the conflict in Palestine/Israel over ownership, belonging, and identity is one of the central problems of world politics affecting wider relations in the Middle East. You will examine the factors that have produced the current situation, analysing the historical development of nationalisms, the dynamics of the conflict as well as the previous attempts to reach a peaceful settlement.
ARA2162	Political Economy of Development in the Middle East	15	Examining economic development and progress to studying a number of issues relevant in the region such as the role of oil wealth, the prevalence of labor migration, conflicts over water, economic liberalization, and the level of regional integration amongst Middle Eastern nations.
BEM2007	Operations Management	15	Operations management is concerned with managing processes, and how organisations create value in the production of goods and services. This field of study is applicable in manufacturing and the service sector, from small retailers and professionals to banks and insurance companies, hospitals and utilities. Sustainable supply chain frameworks and management philosophies are an essential feature of operations management through the provision of modern and eco-efficient customer solutions.
BEM2016	Consumer Behaviour	15	This module engages with sustainability by addressing concepts such as ‘green consumption’, sustainable fashion, ethics and corporate social responsibility.
BEM2027	Information Systems	15	This module explores the innovative ways in which digital technologies are assisting companies become more sustainable.

<u>BEM2031</u>	Introduction to Business Analytics	15	Pre-Req BEE1025. Information is the lifeblood of business. Companies that manage information effectively can improve efficiency, be more responsive to market opportunities, achieve competitive advantage and operate more sustainably. As businesses drive towards sustainable strategies, they are looking for better information to guide decisions. A critical next step is to build information systems and data analytics capabilities that will turn raw data into actionable insights.
<u>BIO2076</u>	Ecology and Environment	15	pre-req BIO1336 Ecology
<u>BIO2096</u>	Practical Skills in Field Ecology	15	mainly a term 3 module - cannot be taken in year 3 or 4 - pre-req BIO1336 Ecology + co-req BIO2076 Ecology and Environment.
<u>BEM2037</u>	Leadership: Challenges & Practices	15	The module is informed by research on sustainability and other topics, and will support reflection on, and development of, practical skills that will help you solve leadership challenges associated with, but not limited to, environmental sustainability.
<u>BEM2034</u>	Digital Technologies and the Future of Work	15	This module focuses on the potential of the 'Fourth Industrial Revolution' to offer creative opportunities for the restructuring of employment practices, and will explore the factors that influence the impact of change at both macro and micro levels.
<u>BEM2046</u>	Entrepreneurial Value Creation	15	This module focuses on the potential of the 'Fourth Industrial Revolution' to offer creative opportunities for the restructuring of employment practices, and will explore the factors that influence the impact of change at both macro and micro levels.
<u>GEO2317</u>	Climate Change: Science and Society	15	In this module, you will develop your skills in the analysis of global climate change, using perspectives from physical and human geography, economics and politics. You will get a strong grounding in climate and society relations, economic principles, ethical dimensions and the governance and politics of climate change. CANNOT BE TAKEN with BEM2032
<u>GEO2131</u>	Nature, Development and Justice	15	Socio-economic development and the state of the natural environment are two major concerns in contemporary policy, politics, and public activism. This module examines the contours of development and environmentalism , focusing on implications for social and ecological justice at different scales.

<u>GEO2132</u>	Global Urban Futures	15	This module introduces interdisciplinary social science approaches to understanding urbanisation processes. It considers the significance of urbanisation for a range of contemporary geographical issues, from environmental change to socio-economic inequality; and the responses to those issues, from activism to policy-making. It will address a set of traditional and new urban issues, including cities and climate change; urban economies; digital cities; healthy cities and urban food security; and urban social movements.
<u>GEO2233</u>	Landscape Response to Environmental Change	15	This module is designed to give you an overview of the mechanisms of sediment production, transport and deposition and associated landscape change from source to sink, as well as the response of the landscape to changing environmental conditions (e.g., climate, land use and relative sea level). The module comprises a combination of lectures and practical exercises, in which you will apply a range of remote sensing techniques and computer simulation models to explore landscape processes and responses to natural and human-induced environmental change.
<u>PHL2055</u>	Ecology, Environment & Conservation	15	People in the West have become increasingly concerned with the state of the natural environment. Increasing pollution, the exploitation of natural resources, and extinctions have led policy-makers, scientists and the general public to take active steps to preserve the natural world. But what is 'natural'? Why would we want to preserve it? And how can we preserve it? In this module you will take a philosophy of science approach to environmental philosophy. MUST ASK PERMISSION FROM PHILOSOPHY
<u>PHL2112</u>	Practical Ethics	15	We confront moral issues and make moral decisions every day, but we don't always think about them as carefully as we could. In this module, you will engage in debates on contemporary moral and social issues, such as whether we should be vegetarian, what are our moral obligations to strangers, who should be allowed to vote, whether we are ever justified in silencing opinions, and whether the ban on doping in sport is morally justified.
<u>POL2027</u>	The Politics of the World Economy	15	This module has been designed to offer you an introduction to the cross-disciplinary field of International Political Economy (IPE). The political examination of the world economy is important for how it sheds light on the complexity of capitalism, including its structures, processes, and outcomes.

<u>SSI2005</u>	Data Analysis in Social Science 2	15	pre-req SSI1006 - Introduction to data analytical tools commonly used in social science research. It is designed for students with no previous experience of quantitative methods or statistics. It will provide you with a basic knowledge of the foundations of descriptive statistics and inference, focusing especially on methods for data presentation, description, and visualization. You will also become familiar with statistical software packages (Excel and R) commonly used in academic and workplace settings.
<u>SSI2002</u>	Data Analysis in the Workplace	15	pre-req SSI1006 and co-req SSI2005. This module gives you the opportunity to gain experience of using data analysis tools and techniques in a workplace setting. The organizations offering placements are across the private, public & charity sectors and you can choose to do your placement in Exeter or elsewhere in the UK and Europe. Workshops will prepare you for your placement and develop your employment skills. The module will require you to relate your work experience back to academic study; reflect on your learning during your work experience.
<u>ARC2123</u>	Sustainability and Collapse in Past Societies	15	The module will introduce you to the concepts of cultural collapse, resilience and sustainability by looking at a wide range of case studies around the world. The module will mainly focus on the diversity of human responses that were triggered by human-induced and natural climatic changes, including catastrophic events. We will pay particular attention to the ecological vulnerability of different socio-political systems within particular environments, human resilience to change and the regeneration of complex societies after collapse. Must ask permission from Archaeology
<u>ARC2120</u>	Things and us: ancient and contemporary material culture	15	This module will introduce interdisciplinary approaches to material culture, exploring a range of alternative perspectives from archaeology, anthropology, sociology of technology, design theory and semiotics, among others. Must ask permission from Archaeology

Level 3

Strongly Encouraged

<u>Module Code</u>	<u>Module Title</u>	<u>Credits</u>	<u>Notes</u>
<u>FCH3888E</u>	Independent Study	30	Speak to Mike Dobson about taking a Sustainability Independent Study.

Options

<u>ANT3014</u>	Cultures: Food	15	Food is of course crucial to human existence all across the planet. Yet patterns of food production, preparation and consumption vary hugely across the planet, both today and in the past. Which foods people think are delicious and which they feel are disgusting can tell us a lot about those people, from how they organise their everyday lives to the cultural and social forces and institutions that shape them in profound ways, such as their religion and beliefs, their politics, their position in systems of social stratification, and their senses of themselves. Food is therefore an excellent way of understanding broader social and cultural issues, because food is both shaped by society and in turn comes to shape society.
<u>ANT3023</u>	Theory and Methods of Food Preservation	15	This module examines food preservation, with a focus on artisan methods and small- to medium-sized enterprises in South West England. You will learn theory and methods of pickling and preserving, sourdough baking, fish smoking, butchery and charcuterie, cheese making, and cider making. Traditional and contemporary artisan technologies will be examined in historical perspective, along with the changing socio-economic environments and livelihoods associated with the making of these foods.
<u>ANT3041 / SOC3117</u>	Environments in Public	15	Environmental issues are a key – and fiercely contested – area of social and political debate in contemporary society, as concerns widen over the severity and speed of environmental change due to human activities. In this module, we will learn about the complex social processes involved in public debates about our changing environment since the invention of the ‘the environment’ during the 1960s; and over what individuals, institutions, and society can - and should - do about it.

<u>ARA3043</u>	From Home Lands To Host States - Migration, Displacement And Diaspora In The Middle East	15	The module aims at providing you with an understanding of how the phenomenon of migration and displacement has indelibly marked states and societies of the Middle East throughout the last 150 years and remains even today a significant element of contemporary life in the region.
<u>ARA3046</u>	Islam, Muslims and the Environment	15	The majority of Muslims live in regions of the planet that are especially vulnerable to the most severe impacts of the current ecological and climate crisis. Partly in response to this, a variety of Muslim environmental discourses and initiatives have emerged, often drawing from Islam as a shared framework. Reflecting its multidisciplinary nature, the module: (i) examines how the current emergency is impacting natural and human systems across the Muslim world; (ii) discusses theoretical and methodological issues related to this multidisciplinary field; (iii) explores key environmental notions and principles from the Islamic tradition; (iv) surveys Muslims' ecological attitudes and activities, at individual, institutional and policy levels.
<u>ARA3163</u>	Politics and Reform in the Gulf	15	The module aims to provide an understanding of political dynamics in the Gulf states in the aftermath of the Arab Spring. The core focus of the module is the debate over whether authoritarianism is likely to persist in the region, or whether recent political developments in the region bear witness of the beginning of a so-called 'Gulf spring.'
<u>BEM3055</u>	Ethics and Responsible Innovation	15	In current times many ethical issues are being raised about the social responsibility of companies to its employees and other stakeholders, and about the ethics of our trading systems. We directly address sustainability and sustainable development through contemporary global challenges and examine business's role in developing technological innovations to address these challenges.
<u>BEM3056</u>	Business and Climate Change	15	pre-reqs - none if already taking Business School modules - otherwise contact Module Convenor Juliette Stephenson. This module offers the opportunity for multidisciplinary study on a topic that businesses need to be well informed. The module focuses on one problem, but one very complex and vital problem: Climate Change. We will discuss the paradoxical role of business and climate change, the following questions are addressed: How does climate change affect business? How can businesses develop climate change strategies? How do carbon markets work? What are their limits and potential? Why do we find it so difficult to adopt less carbon intensive lifestyles? What is the role of technology? What are the ethical issues that climate change raises? What are the responsibilities of business?

<u>BEM3022</u>	Purchasing & Supply Management	15	One lecture and a tutorial session in this module is entirely dedicated to sustainability and discusses the implications of the 'green' supply chain on global trading. The module also incorporates ongoing research by the module leader on low carbon procurement and the implementation of closed loop supply chains.
<u>BEM3038</u>	Co-operative Enterprise	15	In this module, students work in groups to develop a co-operative business plan that could be launched on graduation. This could be anything where there is an identified primary social need (e.g. housing) or secondary social need (e.g. leisure). Sustainability is a key consideration in the viability of the business plans developed in this module, in line with the seventh principle of co-operation set out by the ICA, which states: 'Co-operatives work for the sustainable development of their communities through policies approved by their members'.
<u>BIO3037</u>	Ecology of Environmental Change	15	pre-req BIO1336 Ecology
<u>BEM3047</u>	Contemporary Leadership Issues	15	The aim of this module is to provide you with the opportunity to actively participate in a series of seminar discussions around key contemporary leadership issues. The notion of leading responsibly, factoring in the environment, society and corporate social responsibility is embedded throughout the module.
<u>BEM3048</u>	Leading Change in Practice	15	Using experiential and critical reflection students will explore how to become a successful change agent. Throughout the module students will embark on a journey of self-development; critically inquire change agents and engage in practical field work.
<u>BEM3067</u>	Innovation for Urgent Global Challenges	15	This module will introduce students to the latest innovation paradigms being developed to address grand global challenges (including 'social' innovation, 'reverse' innovation, 'gendered' innovation and 'interdisciplinary' innovation). Students will develop an understanding of the limits of expert led technocentric innovation and the alternative innovation frameworks that are emerging in the contemporary era.
<u>GEO2230</u>	Reconstructing Past Environments	15	This module will provide an overview of Late Quaternary environmental change and introduce a range of techniques used to reconstruct past environmental change from terrestrial archives. The module structure follows the process of palaeoenvironmental research from initial field collection of samples, through laboratory, data collection and analysis, and interpretation. The knowledge and skillset developed during this module will offer an excellent grounding to undertake a dissertation project in palaeoenvironmental science.

<u>GEO3246</u>	Tropical Marine Carbonate Systems: Responses to Environmental Change	15	In this module you will examine the geomorphological and ecological processes that interact to determine the contemporary occurrence and form of critical tropical marine systems such as reefs and reef islands, examine their Holocene growth histories, and consider how future their growth potential may change under changing environmental conditions. Specifically, you will explore broad questions such as - How have marine carbonate systems, such as coral reefs and islands, responded to past sea level and environmental change? What physical, geomorphological and sedimentary processes operate in these systems today, and how are these linked to reef landform development? How might marine carbonate systems respond to future environmental changes?
<u>GEO3242</u>	Historical, Functional and Conservation Biogeography of Plants	15	This module will explore the diversity, distribution and evolutionary history of the plants that dominate present-day biomes. It will then examine the functional adaptations that they require to thrive in different environments. Put together, it will explain how these historical and functional approaches to biogeography offer much to strategies to conserve some of the most threatened, species-rich biomes on our green planet.
<u>POL3259</u>	Climate Justice	30	Whilst the module's precise content may vary from year to year, it is envisaged that the syllabus will cover at least the following topics: an introduction to the science and politics of climate change; a theoretical analysis of the problem of climate change; consideration of the bases of climate responsibility; assessment of individuals and groups as bearers of climate duties; exploration of the demands of intergenerational justice in the face of climate change; climate displacement and resettlement; geoengineering proposals; climate denial; hope and despair.
<u>POL3077</u>	Global Environmental Politics and Policy	30	pre-req - none, but to help prepare for the final research essay, you will be expected to participate in a series of in-class quantitative tutorials, as well as complete several short lab assignments.
<u>SSI3003</u>	Data Analysis in Social Science 3	15	Pre-req or co-req SSI2005. Basic knowledge of statistics and data analysis is often not enough for dealing with more complicated problems in the social sciences, as well as in market research, applied policy analysis, and data-driven journalism. This module introduces you to more advanced techniques for social data analysis using the statistical programming language R and in particular the tidyverse framework.

<u>POL3255</u>	Deliberating the Environmental Emergency: The Citizens' Assembly	30	Module descriptor not online at this time. Contact Politics for more information.
<u>SML3041</u>	Green Matters in Modern Languages and Cultures	15	The syllabus may vary, but usually includes the following topics taught by a team of lecturers: Green movements, parties and activists (case-study: Germany); Eco-cinema and the female gaze: The work of Alice Rohrwacher; The Amazon and the Road Movie; Plastic China; Ecolinguistics; 'Aren't we all animals?' A historical look at the human/animal divide; The module will on occasion also include guest speakers and a trip to the Exeter and Devon Institute. Must ask Modern Languages
<u>ARC3123</u>	Sustainability and Collapse in Past Societies	15	The module will introduce you to the concepts of cultural collapse, resilience and sustainability by looking at a wide range of case studies around the world. The module will mainly focus on the diversity of human responses that were triggered by human-induced and natural climatic changes, including catastrophic events. We will pay particular attention to the ecological vulnerability of different socio-political systems within particular environments, human resilience to change and the regeneration of complex societies after collapse. Must ask permission from Archaeology
<u>ARC3120</u>	Things and us: ancient and contemporary material culture	15	This module will introduce interdisciplinary approaches to material culture, exploring a range of alternative perspectives from archaeology, anthropology, sociology of technology, design theory and semiotics, among others. Must ask permission from Archaeology