



BSc (Hons) / BSc Countryside and Environmental Management (Top-up)

UCAS code	BSc: D44M BSc (Hons): D447
Institution code	H12
Duration	1 year (full-time)
Start date	September 2021
Location	Harper Adams University campus

The course

This course is ideal for students with an appropriate foundation degree or HND to top-up to a full degree in Countryside and Environmental Management.

Entry requirements

- Top-up applicants must have achieved an average of 55% in their Foundation degree to apply for BSc non-honours.
- Applicants must have completed a full year's placement as part of their course of study or two years of full-time relevant employment after their course.

A-level entry requirements

- **Entry requirements for 2021 entry are not currently available. Please contact Admissions for advice**

What will I study?

BSc (Hons) Top-up

Year 1	
Honours Research Project (HRPROJC17)	30
Research Methods for Environmental Scientists (C501017)	15
Geographical Information Systems and Land Use (C6009C17)	15
Environment and Geography Field Course (C6007C17)	15
Ecosystems and Environmental Resource Management (C6006C17)	15
Applied Ecology for Management (C6003C17)	15
Options	
Environmental Assessment and Management (C6008C17)	15
Developing and Managing Environmental Projects (C6005C17)	15
UK and Global Forest Systems (C6015C17)	15

Honours Research Project

Year of study	1
Code	HRPROJC17
Credits	30
Core/option	Core

To qualify for an honours degree a student must demonstrate the capacity for sustained, independent and high quality work. One of the most important vehicles for the demonstration of this capacity, and for developing the necessary skills, is the individual Honours Research Project. Each student will therefore be required to complete such a project under the general supervision of a member of staff and present the results in a project report and in a viva voce exam, with two tutors, which will also test to a high level, skills of communication and rational argument. This major exercise represents one-quarter of the final year studies and will therefore have an important influence on the classification of award.

Research Methods for Environmental Scientists

Year of study	1
Code	C501017
Credits	15
Core/option	Core
Module contact	Dr Andrew Cherrill

The module develops the skills and knowledge necessary to successfully complete the Honours Research

Project. Enhanced research confidence will also be an employability skill for the Placement Period and careers on graduation.

The module will cover the key elements of the research process, set in the context of the student's own course discipline. Students will examine the academic role of research and how it informs professional and managerial practice. They will enhance their ability to locate, select and critically evaluate information associated with a particular problem, using a range of sources and particularly peer reviewed empirical studies. By carrying out statistical analysis using appropriate software, the students will develop their ICT skills and further their understanding of the role of statistics in the research process.

Geographical Information Systems and Land Use

Year of study 1
Code C6009C17
Credits 15
Core/option Core
Module contact [Dr Andy Wilcox](#)

Land management is a complex process involving a combination of agricultural, environmental, recreational and social issues. Geographical Information Systems (GIS) allow storage, analysis and dissemination of spatial information are an essential tool for resource management. This module will provide students with an overview of GIS theory, application and software and allow students to develop practical skills relating to spatial data capture, analysis and presentation using the ESRI ArcGIS platforms.

Environment and Geography Field Course

Year of study 1
Code C6007C17
Credits 15
Core/option Core
Module contact [Dr Andy Wilcox](#)

Sustainable solutions to environmental problems are often complex and require a combination of different disciplines in order to achieve an acceptable outcome. Typically, such activities are carried out by a single project team or collection of project teams that each offer their own area of expertise to the solution. This module allows students to develop their high level skills and abilities by undertaking a team project based on a real situation or issue. The project will be focused around a residential field course and combine elements of the entire CEWG portfolio, including aspects of countryside, environmental and geographical management.

Ecosystems and Environmental Resource Management

Year of study 1
Code C6006C17
Credits 15
Core/option Core
Module contact [Paul Lewis](#)

This module is specifically designed to progress the practices and principles taught in the level 4 module, Environmental Monitoring and the level 5 module Environmental Quality and Protection. Countryside ecosystems are diverse, whether terrestrial or aquatic, and are associated with wide ranging habitats, functions, management and services. All such ecosystems have considerable links to, and impacts on the environment and the resources of water, soil and air. The maintenance of high quality resources is an essential component of sustainable development and land use. This module will allow the student to analyse abiotic factors associated with countryside terrestrial and aquatic ecosystems, whether managed or natural, and consider associated environmental processes and science in detail. Ecosystem services, sustainability indicators and sustainable land use systems will be core elements throughout this module's delivery. There will be an emphasis on UK systems, both agricultural and natural, but consideration will also be given to overseas case-studies and examples.

Applied Ecology for Management

Year of study 1
Code C6003C17
Credits 15
Core/option Core
Module contact [Dr Nicola Randall](#)

Humans depend upon biological processes for their continued existence and for the provision of ecosystems services. The high rates of biodiversity loss remain the subject of concern. This module aims to provide an understanding of the concepts of biodiversity and of ecosystem services, and the use of biodiversity as an ecosystem service provider

In order that biodiversity may be conserved or exploited sustainably, it is important to have an understanding of how populations and communities of organisms are distributed and function and how they react to disturbance. This module is designed to provide students with a background to the complexities of community organization and the general factors that affect community stability. The module subsequently demonstrates how ecological science can be applied to real world conservation and management situations such as the design of nature reserves, pest control, and the sustainable harvesting of populations.

Environmental Assessment and Management

Year of study 1
Code C6008C17
Credits 15
Core/option Option
Module contact [Emma Pierce-Jenkins](#)

Environmental protection and enhancement is a crucial element of achieving sustainable development and features heavily in International, European and UK legislation and policy, a key requirement of which is that potential environmental impacts of human activities are identified and considered in decision making.

In seeking to protect our environment and deliver sustainable development it is crucial that we are able to recognise when and how human activity will impact upon the environment and how best to mitigate and manage those impacts. This module will examine the relevance and relative merits of a range of formal processes for assessing likely environmental impacts of human interaction with our environment. It will build upon earlier modules relating to environmental policy and legislation, as well as developing conservation, environment and planning themes from earlier modules.

It studies in detail Environmental Impact Assessment (EIA) and Environmental Management Systems (EMS) in terms of legislative compliance, assessment techniques, environmental protection and mitigation strategies etc. and introduces Strategic Environmental Assessment (SEA)/ Sustainability Appraisal.

Developing and Managing Environmental Projects

Year of study 1
Code C6005C17
Credits 15
Core/option Option
Module contact [Emma Tappin](#)

Countryside and environmental management are complex and multi-disciplinary areas of practice. For both non-governmental organisations such as National Parks, Wildlife Trusts and the National Trust and government agencies such as Natural England, short term projects are an important mechanism to achieve desired environmental and social changes. This drive towards project delivery is as a result of funding sources increasingly being linked to short-term projects.

The implementation and success of these projects requires a sound understanding of the principles of project management. This module aims to give students insight into project development and management for clients. This module will be action-based learning where students actively work on live projects for

clients, developing proposals and competing for 'support' or 'funding'. Students will gain insights into writing project proposals, competing in this bidding process, working and negotiating with clients and implementing projects proposals. They will be encouraged to develop as reflective practitioners in order that they can improve their skills for future practice.

UK and Global Forest Systems

Year of study 1
Code C6015C17
Credits 15
Core/option Option

Forestry and forest products have significant functional importance in the management and conservation of land, the supply of raw and processed materials, environmental protection and in contributing to sustainable living and development. This is closely reflected in UK and global forest policies.

This module will enable a comprehensive and detailed understanding of sustainable forest management policy and practice in the UK. It will also provide a current overview of global forestry issues and an appreciation of mainstream and innovative products and services sourced from forests and sustainable forest management worldwide.

Students completing the module will be able to critically evaluate different approaches to forest management in terms of the range and quality of products/services supplied and the economic, social and environmental implications of the management and conservation processes adopted.

BSc Top-up

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Degree Review Project (DRPROJC17)	15
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Degree Review Project

Year of study 1
Code DRPROJC17
Credits 15
Core/option Core

Although Ordinary Degree students are not required to engage in the research based major projects completed by honours degree candidates, it is necessary that they display the ability, at Honours level, to learn independently and display the skills required for lifelong learning; to demonstrate awareness of the provisional nature of facts and principles and to marshal evidence and apply it in a balanced way in an argument and to draw soundly based conclusions. The development of these skills is the purpose of this module.

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Core/option Core
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