

Fieldwork is an exciting and interesting way to develop your practical skills. You'll gain hands-on experience of a wide range of environmental, ecological, geological and social situations in the local area. You'll also have the opportunity to travel further afield or even overseas on a range of exciting field courses that will place your studies in the context of real-world issues.

## Environmental and Earth Sciences

### BSc/MSci Environmental Science

- Alpine Environmental Processes, Switzerland
- Environmental Field Course, Carrock Fell
- Hydrological Processes, Slapton Ley
- Water, Society and the Istrian Landscape, Croatia
- Various local field excursions

### BSc/MSci Earth and Environmental Science

- Alpine Environmental Processes, Switzerland
- Environmental Field Course, Carrock Fell
- Geological Mapping, Isle of Mull
- Hydrological Processes, Slapton Ley
- Volcanic Processes, Mount Etna
- Various local field excursions

## Costs

Lancaster University will cover the core fieldwork costs of any compulsory modules, though you may be required to cover some additional costs (such as food). Where fieldwork is part of an optional module, the total cost will be subsidised by Lancaster University.

## Geography

### BSc/BA/MSci/MArts Geography

- Investigating Mediterranean Environments, Spain
- Hydrological Processes, Slapton Ley
- Water, Society and the Istrian Landscape, Croatia
- Alpine Environmental Processes, Switzerland
- Volcanic Processes, Mount Etna
- Inequality in the City, New York
- Conservation and Sustainable Development, Brazilian Amazon
- Various local field excursions

### BA/MArts Human Geography

- Water, Society and the Istrian Landscape, Croatia
- Inequality in the City, New York
- Conservation and Sustainable Development, Brazilian Amazon
- Various local field excursions

### BSc/MSci Physical Geography

- Investigating Mediterranean Environments, Spain
- Hydrological Processes, Slapton Ley
- Water, Society and the Istrian Landscape, Croatia
- Alpine Environmental Processes, Switzerland
- Volcanic Processes, Mount Etna
- Various local field excursions

\*If you opt to take a Study Abroad year, modules and field courses available for Year 2 will be chosen from your host university. Please note: Field options available are subject to pre-requisites.



## For more information

Please visit our website:

 [www.lancaster.ac.uk/lec/undergraduate](http://www.lancaster.ac.uk/lec/undergraduate)

## Contact us

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 @LancasterEnvironmentCentre  @LancsUniLEC  @lancaster\_environment

Disclaimer: The information in this leaflet relates primarily to 2021/22 entry to the University and every effort has been taken to ensure the information is correct at the time of printing in June 2020. The University will use all reasonable effort to deliver the course as described but the University reserves the right to make changes after going to print. You are advised to consult our website at [www.lancaster.ac.uk/study](http://www.lancaster.ac.uk/study) for up-to-date information before you submit your application.

Further legal information may be found at [www.lancaster.ac.uk/compliance/legalnotice](http://www.lancaster.ac.uk/compliance/legalnotice)





## **Environmental Field Course Carrock Fell**

Enjoy a week with your fellow students in the nearby Lake District and learn a number of important field and lab skills needed to succeed in the Environmental Sciences. Based at Carrock Fell, you will collect primary data from a disused tungsten mine and analyse and interpret this to assess the present and future impacts this will have on water quality. During the field course you will learn hydrological, geological and surveying skills whilst also developing your lab skills in relation to water chemistry.

Year of Study: Second

Date: September

\*This is a compulsory field course for Environmental Science/Earth and Environmental Science students

## **Water, Society and the Istrian Landscape Croatia**

You will explore Croatia's Istrian Peninsula, an idyllic landscape of olive groves, forests, wineries, and beaches with an environment which is strongly governed by its karst geology, unique biodiversity and its position on the transition between humid temperate and desert climates. Istria is also the setting of dramatic social-economic, political and environmental changes and contrasts, and on this field course you will focus on the challenges of environmental management, particularly of water resources, in this unique landscape.

Year of Study: Third

Date: Easter Vacation

## **Geological Mapping Isle of Mull**

Study geologic and geomorphologic processes, and develop your Earth science field skills, during our field trip to the Isle of Mull. During this field course you will learn how to collect field data in order to make a geologic map. You will also visit some of the oldest rock formations in the UK, which formed during the opening of the Atlantic Ocean, and as such you will be able to understand a wide range of geologic terrains. As part of the module, you will gain excellent practical skills including mapping techniques, how to plot structural data and be able to recall aspects of British geological history.

Year of Study: Second

Date: May

\*This is a compulsory field course for Earth and Environmental Science students

## **Hydrological Processes Slapton Ley**

Our week long trip to Slapton Ley in Devon offers a unique opportunity to study an important environmental issue, eutrophication, through field work and laboratory analysis. Based at the Slapton Ley Field Studies Centre, you will study the hydrological processes which govern nitrate eutrophication of a coastal freshwater lake of ecological significance. This field course is co-taught by staff from Natural England, who will lead a field visit on 'catchment sensitive farming', which will expand your knowledge of nitrate remediation measures.

Year of Study: Third

Date: Summer Vacation (between second and third year)

## **The Brazilian Amazon**

The Amazon is a fascinating place to explore the conservation and development challenges facing tropical forests. Based in the lower Rio Negro region of the Amazon basin, you will see a range of tropical wildlife, from hummingbirds to river dolphins, sloths, caiman and howler monkeys. You will visit people's homes and agricultural plots to understand the many challenges faced by rainforest people; and spend time in the beautiful forest itself, walking along remote trails or canoeing in the flooded forest. This is a unique opportunity to work with Amazon experts from Lancaster Environment Centre and understand the challenges of pursuing biodiversity conservation whilst also reducing poverty. We will learn how to monitor biodiversity and forest carbon stocks and assess rural livelihoods.

Year of Study: Third

Date: Easter Vacation

## **Volcanic Processes Mount Etna**

Visit Europe's largest active volcano, Mount Etna, and study the complex processes that take place both on the surface and beneath volcanoes. During this intensive week-long field course, you will explore a number of the physical volcanic processes that take place, including lava flow emplacement, explosive events and the evolution of a basaltic volcano. In addition, you will evaluate methods of managing volcanic hazards on heavily populated active volcanoes.

Year of Study: Third

Date: Easter Vacation

## **Investigating Mediterranean Environments Spain**

We visit an area in Spain of steep environmental gradients, ranging from semi-arid conditions along the Mediterranean coast up to the tundra peaks of the Sierra Nevada. Throughout the trip, you will study a number of environmental challenges including sediment transport, biodiversity, landslide activity and altitudinal variations in soils and vegetation. Working in small groups you'll gain experience of designing, implementing and critically evaluating research projects that investigate a diverse range of environmental issues.

Year of Study: Second

Date: Christmas Vacation

## **Inequality in the City New York**

This field course offers you the opportunity to engage critically with the geography and inequality of New York. Throughout the course, you will study the links between cultural, economic, political and social processes and the ways they influence urban landscapes and life in New York City.

You will take part in a number of activities such as visiting activist groups, learning about gentrification, migration and patterns of community identity, and visiting community gardens to learn about nature in the city.

Year of Study: Third

Date: Easter Vacation

## **Alpine Environments Switzerland**

Gain an in-depth understanding into Alpine environments during our intensive week-long residential field course in south-west Switzerland. During the course you will collect significant amounts of field data focussed on one of four interconnected study themes spanning glaciology, soils, ecology and hydrology. Once back at Lancaster, the field course is assessed by a written research paper and a professional-style presentation. The experience provides an inspiring foundation into the science and understanding of how these globally sensitive ecosystems are responding to change.

Year of Study: Third

Date: Summer Vacation (between second and third year)

## **Local Field Excursions**

Nestled between the Lake District, Yorkshire Dales National Park, Areas of Outstanding Natural Beauty and nearby to major cities such as Manchester, Lancaster is perfectly placed to study environmental and geographical processes. You will have the opportunity to develop your field skills through regular visits to the local area and highlights include:

- Visit to a local zoo in your first year to learn about conservation efforts and how conservation priorities are determined
- Develop your field and observational skills studying water flow in a cave system in North Yorkshire
- Visit Hazelrigg, our very own weather monitoring station, adjacent to our campus, to study the radiative balance of the atmosphere
- Unravel the geological history of the area and learn geoscience techniques at the Heysham coastline
- Critically explore how the physical infrastructure of Salford and Manchester is experienced by different groups of people
- Learn first-hand how and why wastewater is treated before being released into the environment.
- Explore the possibilities offered by green energy solutions through a visit to renewable energy installations in Burneside village, Cumbria and at James Cropper plc, a paper mill and major local employer

**The availability of field courses is dependent upon your scheme of study**