

# Department of Earth Sciences

## About the department

The Department of Earth Sciences is internationally-renowned for the quality of its teaching and research activities. It provides a stimulating and supportive environment for students and staff to study and research a wide range of earth sciences. Strong collaborative links with international petroleum geosciences industries, environmental consultancies and engineers, and local authorities, provide valuable support for postgraduate research projects, employment for graduates, and work experience for undergraduates. We were ranked 5th in the United Kingdom in the 2017 *National Student Survey* with an 'Overall Student Satisfaction' rating of 97%, and in the most recent Research Excellence Framework we were ranked second in the UK with particular expertise in global environmental change, petroleum geology and fault dynamics.

## Entry requirements

The modules listed below are open to all Study Abroad, International and Erasmus students, subject to any required previous knowledge or qualifications, as stated in the module outlines below. Links are given to our handbook which shows detailed module information.

Each module is either 15 or 30 UK credits and starts in either the Autumn UG Spring Term (September) or the Spring UG Spring Term (January). **\*Please note that our UG Autumn Term modules only have assessment in summer term, so are not currently suitable for UG Autumn term only students.**

*The information contained in the module outlines on the following pages is correct at the time of publication but may be subject to change as part of our policy of continuous improvement and development.*

## Module options for visiting students

Module number	Module title	Run time	UK Credits	Link to syllabus
GL1101	Evolving Earth	UG Autumn Term*	30.00	<a href="#">Syllabus Information</a>
GL1201	Dynamic Planet	UG Spring Term	30.00	<a href="#">Syllabus Information</a>
GL1301	Human Interaction with the Earth System	UG Autumn Term*	30.00	<a href="#">Syllabus Information</a>
GL1350	Introduction to Environmental and Climate Change	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL1401	Climate, Ocean and Atmosphere	UG Spring Term	30.00	<a href="#">Syllabus Information</a>
GL1500	Chemistry and Physics of the Earth	UG Full Year	15.00	<a href="#">Syllabus Information</a>
GL1900	Earth Scientists Toolkit	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL2200	Stratigraphy and the History of Life	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL2210	Regional Geology	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL2320	Geohazards	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL2330	Practical Meteorology – An introduction	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>

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Module options for visiting students

Module number	Module title	Run time	UK Credits	Link to syllabus
GL2400	Igneous And Metamorphic Geology	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL2410	Geochemistry	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL2460	Research in Earth, Climate and Environmental Change	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL2520	Computational Earth Sciences	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL2530	Introduction to Planetary Geology & Geophysics	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL2600	Structural Analysis And Remote Sensing	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL2740	Sustainable Energy	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL3010	Advanced Techniques in Earth Sciences	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL3200	Marine Geology	UG Full Year	15.00	<a href="#">Syllabus Information</a>
GL3210	Advanced Topics in Sedimentology	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL3300	Hydrogeology	UG Spring Term	15.00	<a href="#">Syllabus Information</a>

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Module options for visiting students

Module number	Module title	Run time	UK Credits	Link to syllabus
GL3330	Advanced Practical Meteorology	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL3530	Planetary Geology & Geophysics	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL3600	Advanced Techniques In Tectonic And Structural Interpretation	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL3700	Subsurface Analysis	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL3780	Subsurface Storage of CO2 and Energy	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL3800	Advanced Palaeontology	UG Autumn Term*	15.00	<a href="#">Syllabus Information</a>
GL3850	Engineering Geology and Rock Mechanics	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL3880	Palaeoclimate	UG Spring Term	15.00	<a href="#">Syllabus Information</a>
GL3901	Independent Geological Field Mapping	UG Autumn Term*	30.00	<a href="#">Syllabus Information</a>

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