COURSE DETAIL

EARTH'S RESOURCE CHALLENGES
Country United Kingdom - Scotland
Host Institution University of St Andrews
Program(s) University of St Andrews
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies Earth & Space Sciences
UCEAP Course Number 112
UCEAP Course Suffix
UCEAP Official Title EARTH'S RESOURCE CHALLENGES
UCEAP Transcript Title EARTH/S RESOURCES
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

Access to clean water, fertile soil, critical metals, and cheap energy is crucial for modern society. However, the unsustainable use of these natural resources is changing the face of our planet at an unprecedented rate. This course builds on the understanding of planet Earth gained in ES1001, and it highlights the work done by earth scientists to solve 21st century resource and environmental challenges. The course investigates the geological processes that generate Earth's "traditional" resources, such as metals and hydrocarbons, and their environmental impact. Equally, students study "new" alternative energies such as geothermal and hydro power, and discuss resource requirements of a "Green New Deal" and potential environmental solutions, such as carbon capture and pollution remediation strategies. There is a fully-funded six-day residential field excursion to the Highlands of Scotland.

Language(s) of Instruction
English

Host Institution Course Number
ES1002

Host Institution Course Title
EARTH'S RESOURCE CHALLENGES

Host Institution Course Details
https://www.st-andrews.ac.uk/subjects/modules/catalogue/?code=ES1002&academic_y...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Earth and Environmental Science

Course Last Reviewed
2021-2022

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