COURSE DETAIL

SPACESHIP EARTH: INTRODUCTION TO EARTH SYSTEM SCIENCE
Country Ireland
Host Institution Trinity College Dublin
Program(s) Trinity College Dublin
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Geography Earth & Space Sciences
UCEAP Course Number 55
UCEAP Course Suffix
UCEAP Official Title SPACESHIP EARTH: INTRODUCTION TO EARTH SYSTEM SCIENCE
UCEAP Transcript Title EARTH SCIENCE SYST
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

The course introduces fundamental concepts of Earth systems science with reference to its major subsystems: geosphere, biosphere, atmosphere, hydrosphere, and anthroposphere. It illustrates how material and energy are cycled through the Earth system; describe the links between biotic and abiotic systems and their role in maintaining a habitable planet; applies an Earth systems approach to describe the phenomena of environmental and climate change; discriminates between 'weather' and 'climate' and situates concerns about current climate change in a longer-term (geological) context; identifies how human activities modify Earth system function; and applies core concepts in geography and geoscience to real-world examples.

Language(s) of Instruction
English

Host Institution Course Number
GSU11004

Host Institution Course Title
SPACESHIP EARTH: INTRODUCTION TO EARTH SYSTEM SCIENCE

Host Institution Course Details
https://www.tcd.ie/students/orientation/visiting-exchange/module-directory/Geol...

Host Institution Campus
Trinity College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department
Geology

Course Last Reviewed
2022-2023

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