COURSE DETAIL

EARTH MODELLING AND PREDICTION

Country
United Kingdom - Scotland

Host Institution
University of Edinburgh

Program(s)
Scottish Universities,University of Edinburgh

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Earth & Space Sciences

UCEAP Course Number
106

UCEAP Course Suffix

UCEAP Official Title
EARTH MODELLING AND PREDICTION

UCEAP Transcript Title
EARTH MODEL&PREDICT

UCEAP Quarter Units
8.00

UCEAP Semester Units
5.30

Course Description

This course explores topical issues in geosciences to understand and develop the essential mathematical skills required by modern geoscientists. The emphasis is on data analysis and interpretation, including an appreciation of the importance of observation errors and the use of quantitative data in the prediction of future changes in the Earth system. The course content is taught through accessible applied problems (e.g., growth rate of ice sheets and balancing the carbon cycle), which are carefully designed to introduce key scientific notation and concepts that are used repeatedly through this course and more widely through the GeoSciences degree programs. Weekly tutorials (in groups of 5-6) reinforce the key concepts taught in the course.

Language(s) of Instruction
English

Host Institution Course Number
GESC08002

Host Institution Course Title
EARTH MODELLING AND PREDICTION

Host Institution Course Details

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Earth Science

Course Last Reviewed

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