COURSE DETAIL

PHYSICAL GEOGRAPHY: AN INTRODUCTION TO THE GLOBAL ENVIRONMENT
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Geography Environmental Studies Earth & Space Sciences
UCEAP Course Number 166
UCEAP Course Suffix
UCEAP Official Title PHYSICAL GEOGRAPHY: AN INTRODUCTION TO THE GLOBAL ENVIRONMENT
UCEAP Transcript Title GLOBAL ENVIRONMENT
UCEAP Quarter Units 12.00
UCEAP Semester Units

8.00

Course Description
The course gives a general introduction to the field of Physical Geography and Ecosystems Sciences. The course covers the processes in the lithosphere, biosphere, hydrosphere, and the atmosphere. The course consists of four partially integrated sub-sections. The first part covers basic mineralogy, geology and soil science. Geomorphology (landscape features) is introduced, covering endogenous, exogenous, and ecological processes, abiotic and biotic developments and transformations of the landscape, and changes to the landscape at different spatial and temporal scales. The second part deals with meteorological, climatological, hydrological, and oceanographic processes and relationships at different scales. The third part covers ecosystem processes including vegetation dynamics, and the relationship between climate and the development of soil types in different biomes. Finally, in the fourth part students are introduced to remote sensing and GIS-technology. During the course, the students gain practical skills in performing presentations, in communication, computing, and library resources. Students are introduced to different methods used to gather data and information about the environment, using different field data collection techniques, remote sensing (aerial photographs and satellite images) to make maps and Geographical Information Systems (GIS) to analyze different environmental issues. Students gain analytical tools and methods for describing processes and phenomena in the world around them. The course consists of lectures, practical exercises, field visits and exercises, seminars, groups and individual project work. The exam is a traditional written exam.

Language(s) of Instruction
English

Host Institution Course Number
NGEA01

Host Institution Course Title
PHYSICAL GEOGRAPHY: AN INTRODUCTION TO THE GLOBAL ENVIRONMENT

Host Institution Course Details

Host Institution Campus Science
Host Institution Faculty
Host Institution Degree
Host Institution Department Physical Geography and Ecosystem Science
Course Last Reviewed

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