COURSE DETAIL

NATURAL PROCESSES
Country Netherlands
Host Institution Utrecht University
Program(s) Utrecht University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 125
UCEAP Course Suffix
UCEAP Official Title NATURAL PROCESSES
UCEAP Transcript Title NATURAL PROCESSES
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course provides students with a solid natural science base for studying global change. As such, it provides the fundamental understanding of natural processes that are needed as a basis for follow-up courses dealing in depth with specific global change effects, such as Global Climate Change. The focus is on the earths' energy balance, the hydrological cycle and the elemental cycles of carbon, nitrogen and phosphorus, because they are essential for life on earth and are linked to the major global change effects that our society is dealing with today. The course looks at the major stocks of energy, water, and elements in different environmental compartments (atmosphere, hydrosphere, lithosphere and biosphere), as well as the processes that govern the exchange between those compartments and the storage capacity of the compartments. Subjects that are covered include: the global energy budget; the global cycles of water, carbon, nitrogen and phosphorus; atmosphere; hydrosphere; lithosphere; biosphere.

Language(s) of Instruction
English

Host Institution Course Number
GEO1-2412

Host Institution Course Title
NATURAL PROCESSES

Host Institution Course Details

Host Institution Campus
Geosciences

Host Institution Faculty

Host Institution Degree

Host Institution Department
Sustainable Development

Course Last Reviewed

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