COURSE DETAIL

GLOBAL CLIMATE CHANGE
Country Netherlands
Host Institution Utrecht University
Program(s) Utrecht University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 126
UCEAP Course Suffix
UCEAP Official Title GLOBAL CLIMATE CHANGE
UCEAP Transcript Title GLOBAL CLIMATE CHNG
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
Global climate change is an extremely complicated system to study, and one of the major challenges facing the intellectual and scientific community. Therefore it requires in depth knowledge from many disciplines and their interaction. This course focuses on the “hard science” of climate change, dealing with the physical and biological sciences rather than the social science components related to global climate change. Examples of such components include the radiation balance of the atmosphere, atmospheric chemistry, ocean acidification, sea level rise, and global bio-geochemical cycles. The course also focuses on how anthropogenic action affects the processes of the Earth system, with special focus on those actions that affect the climate directly or indirectly. The subjects discussed can be grouped into the following bullet points: comprehensive introduction to global climate change; relationship between weather, climate, and environmental change; description of the major Earth system components, both natural and anthropogenic, driving environmental change; development of models and assessment of their predictions for current and future change; discuss how global change is affected by and affects human activity.

Language(s) of Instruction
English

Host Institution Course Number
GEO2-2143

Host Institution Course Title
GLOBAL CLIMATE CHANGE

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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