COURSE DETAIL

GEOCHEMICAL CYCLES
Country Netherlands
Host Institution Utrecht University
Program(s) Utrecht University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Earth & Space Sciences
UCEAP Course Number 102
UCEAP Course Suffix
UCEAP Official Title GEOCHEMICAL CYCLES
UCEAP Transcript Title GEOCHEMICAL CYCLES
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
Geo-chemical processes are studied along the hydrological cycle, with an emphasis on abio-tic and bio-tic reactions that modify the composition of the atmosphere, pedosphere, and natural waters. Further, attention is given to perturbation of global bio-geochemical cycles by natural processes and human activity, and to climate change issues. Topics covered include: water and energy cycles; chemical transport; atmosphere; greenhouse effect; atmospheric ozone; rainwater composition; atmospheric cycles of S and N; acid rain; chemical weathering; soil and ground waters; rivers; continental denudation; nutrients; lakes; mass balance models; acid lakes; oceans; processes affecting seawater composition; modeling elemental cycles with STELLA; global P and C cycles.

Language(s) of Instruction
English

Host Institution Course Number
GEO2-1207

Host Institution Course Title
GEOCHEMICAL CYCLES

Host Institution Course Details

Host Institution Campus
Geosciences

Host Institution Faculty

Host Institution Degree

Host Institution Department
Earth Sciences

Course Last Reviewed

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