COURSE DETAIL

ENVIRONMENTAL CHEMISTRY
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Chemistry Chemical Engineering
UCEAP Course Number 144
UCEAP Course Suffix
UCEAP Official Title ENVIRONMENTAL CHEMISTRY
UCEAP Transcript Title ENVIRON CHEMISTRY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course provides basic knowledge in understanding, judging, and predicting the effects of chemicals on health and environment. The chemical basis for how health-damaging and environmentally hazardous compounds are absorbed and metabolized by organisms and the mechanisms behind their effects are discussed thoroughly. Emphasis is put on relationships between structure, chemical properties, and biological effects. The external environment section of the course discusses aspects of eight environmental threats: gases affecting the climate, ozone depletion, soil and water acidification, photochemical oxidants/tropospheric ozone, over-fertilization of soil and water, environmental influence of metals, toxic effects of organic compounds on the environment, disrupted environmental/ecological cycles, and hazardous by-products.

Language(s) of Instruction
English

Host Institution Course Number
KASF01

Host Institution Course Title
ENVIRONMENTAL CHEMISTRY

Host Institution Course Details

Host Institution Campus
Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department
Engineering- Chemical Engineering

Course Last Reviewed

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