

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 Campus

Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering- Chemical Engineering

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