

# 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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