

# Environmental Management

Programme course

6 credits

Miljövärd

NBIB35

Valid from: 2017 Spring semester

**Determined by**

Board of Studies for Chemistry, Biology  
and Biotechnology

**Date determined**

2017-01-25

## Main field of study

Biology

## Course level

First cycle

## Advancement level

G1X

## Course offered for

- Biology

## Prerequisites

Knowledge in chemistry, microbiology, cell biology, genetics, botany, zoology and ecology, equivalent of the first three semesters of the Biology program at Linköping University.

## Intended learning outcomes

Having completed the course, the student should be able to:

- \* understand the causes for major environmental problems and how they interact with the bio- and technosphere;
- \* give oral and written presentations on the theme Management of environmental problems;
- \* prepare, lead and contribute to an oral discussion on an environmental issue;
- \* discuss how environmental problems can be solved and ways forward towards a sustainable society

## Course content

The course focuses on the use of important natural resources and the environmental problems that arise from this. Environmental problems like global warming, acidification, eutrophication and reduction in biodiversity are discussed in a national and international perspective. Furthermore, the way that societies deal with environmental issues is addressed, both from an ideological, political and practical perspective.

## Teaching and working methods

The course contains lectures, seminars, and study visits. The course is examined through active participation in seminars and a debate, written pro memorias, and a home exam.

## Examination

UPG2	Written assignments	3 credits	U, G
UPG1	Seminars	3 credits	U, G

Grades are given as 'Fail' or 'Pass'.

## Grades

Two-grade scale, U, G

## Other information

Supplementary courses: Environmental protection and impact assessments (EIA),  
Ecotoxicology

## Department

Institutionen för fysik, kemi och biologi

## Director of Studies or equivalent

Agneta Johansson

## Examiner

Kjell Carlsson

## Course website and other links

## Education components

Preliminary scheduled hours: 45 h

Recommended self-study hours: 115 h

## Course literature

Jay Withgott & Scott Brennan : Environment; The science behind the stories.  
Pearson Fourth edition 2011. Artiklar och annat material som preciseras under  
kursens gång.

## Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at [http://stydokument.liu.se/Regelsamling/Innehall/Utbildning\\_pa\\_grund-\\_och\\_avancerad\\_niva](http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva).