

# Ecotoxicology and Environmental Monitoring

Programme course

6 credits

Ekotoxikologi och miljöövervakning

NBIC50

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

G2X

## Course offered for

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- Industrial Engineering and Management - International, M Sc in Engineering
- Industrial Engineering and Management, M Sc in Engineering

## Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

## Prerequisites

Biology courses corresponding to 80 credits. Basic knowledge about current environmental problems,

## Intended learning outcomes

The course is focused on environmental impacts and toxicological effects of potentially harmful substances. Having successfully completed this course, the student is expected to:

- have a basic knowledge about ecotoxicology and environmental monitoring with biological methods
- be able to perform an ecotoxicity test of a chemical, including interpretation and presentation of the data obtained
- be able to perform environmental monitoring with biological methods, including interpretation and presentation of the data obtained

## Course content

- Basic ecotoxicology
- Environmental monitoring with biological methods

The course includes both theory and practical assignments.

## Teaching and working methods

The course includes lectures, seminars, laboratory studies. Some of the lectures and instructions during the course may be given in English.

## Examination

UPG1	Assignments	3 credits	U, G
HEM1	At-home examination	3 credits	U, 3, 4, 5
UPG2		0 credits	

## Grades

Four-grade scale, LiU, U, 3, 4, 5

## Department

Institutionen för fysik, kemi och biologi

## Director of Studies or equivalent

Agneta Johansson

## Examiner

Uno Wennergren

## Course website and other links

## Education components

Preliminary scheduled hours: 59 h

Recommended self-study hours: 101 h

## Course literature

Fundamentals of Ecotoxicology, Second Edition, Michael C. Newman, Michael A. Unger, CRC Press, 2002.

## 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).