

Environmental Monitoring

Single subject and programme course

7.5 credits

Miljöövervakning

746G29

Valid from: 2010 Spring semester

Determined by

The Quality Board at the Faculty of Arts
and Sciences

Date determined

2009-08-24

Revision date

2015-11-16

Main field of study

Environmental Science

Course level

First cycle

Advancement level

G2F

Course offered for

- Bachelor´s Programme in Environmental Science

Entry requirements

A passing grade in courses comprising 105 HE credits in the two first years of the Environmental Science Programme, or the equivalent. A passing grade in the course Environmental Science B1, 30 HE credits (or equivalent) is required.

Intended learning outcomes

On completion of the course, the student should be able to;

- design an environmental monitoring programme that can satisfy the purpose of the monitoring
- perform statistical analyses of environmental data
- use mathematical modelling as a tool for analysis and interpretation of environmental data
- account for strengths and weaknesses of different ways to analyse data.

Course content

The course contents consists of adequate design of environmental monitoring programmes for retrieving the factual bases that are needed in environmental work. The course also includes methods to analyse and present the data that comprise the results of the environmental monitoring.

Teaching and working methods

This course utilises work in tutorial groups, lectures, seminars, workshops and laboratory sessions. Additional resource sessions may be organised in the course. The students should also study independently. If necessary, the course may be taught in English.

Examination

The course is examined through individual oral presentations, individual written work, written work carried out in groups, oral group presentations and public discussion on another student's work. A passing grade in the course also requires active participation in tutorial group meetings, seminars, laboratory work and other practical parts.

If the LiU coordinator for students with disabilities has granted a student the right to an adapted examination for a written examination in an examination hall, the student has the right to it. If the coordinator has instead recommended for the student an adapted examination or alternative form of examination, the examiner may grant this if the examiner assesses that it is possible, based on consideration of the course objectives.

Students failing an exam covering either the entire course or part of the course twice are entitled to have a new examiner appointed for the reexamination.

Students who have passed an examination may not retake it in order to improve their grades.

Grades

Three-grade scale, U, G, VG

Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus.

The course is carried out in such a way that both men's and women's experience and knowledge is made visible and developed.

Department

Institutionen för Tema