



## Syllabus

### **BI0633.1 Introduction to environmental monitoring and assessment, 15.0 credits**

#### **Miljöanalysens grunder**

The course is given as course independent of study programme

Syllabus discontinued 20 November 2007

Version 1 in Slukurs. Corresponds to version 1 in Ladok

#### **Syllabus approved**

1 September 2005

The version applies to students admitted from autumn 2006 to autumn 2008

The version is not a module version

#### **Subjects**

Biology/Soil science

#### **Education cycle**

First cycle

#### **Modules**

<b>Title</b>	<b>Code</b>	<b>Credits</b>
Single module	0101	15.0

#### **Advanced study in the main field**

#### **Grading scale**

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

**Language**

Swedish

**Prior knowledge**

Mathematical Statistics 5 SUC, Geographical Informationtechnic 5 SUC and Biology 10 SUC or Soil Science 10 SUC or equivalent knowledge.

**Objectives**

Participants shall after the course have basic knowledge and understanding of different aspects of environmental monitoring as well as knowledge of concepts and methods to describe and quantify states and trends of the environment.

**Content**

The course deals with background ideas and historical development of environmental monitoring and assessment. Basic concepts as well as actors and organisation of monitoring are presented. Information is given on various national and international conventions, processes and programmes. The main emphasis will be on general tools for environmental monitoring, such as statistical methods, laboratoryanalysis, sampling and inventory methods, including practical exercises. A few typical cases of monitoring will be presented and evaluated. The cases will concern state, change, cause-effect and forecasts.

**Implementation**

Lectures 80 hours  
Field excursions 14  
Field work 20  
Seminars 20  
Group work 40

**Examination****Requirements for examination**

Written tests, group work, seminars

Approved tests, group work, seminars

- If the student fails a test, the examiner may give the student a supplementary assignment, provided this is possible and there is reason to do so.
- If the student has been granted special educational support because of a disability, the examiner has the right to offer the student an adapted test, or provide an alternative assessment.
- If changes are made to this course syllabus, or if the course is closed, SLU shall decide on transitional rules for examination of students admitted under this syllabus but who have not yet passed the course.
- For the examination of a degree project (independent project), the examiner may also allow the student to add supplemental information after the deadline. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

### **Additional information**

The course is also done in cooperation with Dept Swedish Environmental Protection Agency and County Board of Västerbotten.

- The right to take part in teaching and/or supervision only applies to the course date to which the student has been admitted and registered on.
- If there are special reasons, the student may take part in course components that require compulsory attendance at a later date. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

### **Responsible department**

Department of Forest Resource Management

#### **Cooperating departments:**

Department of Aquatic Sciences and Assessment

### **Supplementary Information**

*Finalized by:* Programkommitté skog och mark

*Biology Area:* Other Biology Courses