



## Syllabus

### **FÖ4020.1 Operations Research and Management I, 7.5 credits**

#### **Kostnads-Intäktsanalys med optimering I**

The course is given as course independent of study programme

Syllabus discontinued 24 September 2003

Version 1 in Slukurs. Corresponds to version 1 in Ladok

#### **Syllabus approved**

17 March 1997

The version applies to students admitted from spring 1999 to autumn 2004

The version is not a module version

#### **Subjects**

Business Administration/Economics/Forest Management

#### **Education cycle**

First cycle

#### **Modules**

<b>Title</b>	<b>Code</b>	<b>Credits</b>
Single module	0101	7.5

#### **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**

The equivalent of: 20 Swedish University Credits (SUC) in Forest management.

**Objectives**

After the course, the student will have basic knowledge and abilities in these fields:

- investment- and product-choice theory
- economic optimisation of typical forestry decisions
- Inventory and stock level problems
- Economic calculations and decisions concerning machines
- Rotation problems
- General one-dimensional optimisation with applications
- Fundamental linear programming with applications.

**Content**

The course contains product and investment theory and calculation and economic optimisation with connection to forestry decisions.

**Implementation**

Lectures by invited speakers ca 4 h (compulsory)

Excursion and Exercises ca 8 h (compulsory)

Exercises and Seminars ca 108 h (compulsory)

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

Written exam and essay-writing

Passed exam and essay. Presentation/opposition and participation in field exercises.

- 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**

<http://www.sekon.SLU.se/~plo/>

- 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 Economics

### **Supplementary Information**

*Finalized by:* Programnämnden för skogsvetarprogrammet