

# Syllabus

for course at advanced level

**Risk Management**  
**Risk management**

**7.5 Higher Education**  
**Credits**  
**7.5 ECTS credits**

<b>Course code:</b>	ML432C
<b>Valid from:</b>	Autumn 2019
<b>Date of approval:</b>	2015-03-26
<b>Changed:</b>	2019-04-10
<b>Department</b>	Department of Computer and Systems Sciences
<b>Main field:</b>	Computer and Systems Sciences
<b>Specialisation:</b>	A1N - Second cycle, has only first-cycle course/s as entry requirements

## Decision

This syllabus was approved by the Head of the Department 2015-03-26.  
This syllabus was updated 2019-04-10.

## Prerequisites and special admittance requirements

Admission to the Master's programme in Decision Support and Risk Analysis.

## Course structure

Examination code	Name	Higher Education Credits
432C	Risk Management, assignment	7.5

## Course content

The course presents both probabilistic and non-probabilistic approaches to risk management. Further, the course covers the basics of various types of risk analyses in depth. The emphasis is however on how the authorities seek to minimize risks in their domains. Thus, the course addresses specifically to accident risks and financial risks.

## Learning outcomes

Upon successful completion of the course, the student should be able to:

- assess the quality of different types of risk analyses
- perform simpler probability calculations

## Education

The language of instruction is English. The teaching activities are distance-based and take place online.

## Forms of examination

- The course is examined through assignments .
- The final grading of the course is based on the following grading scale related to the learning outcomes of the course: A = Excellent, B = Very Good, C = Good, D = Satisfactory, E = Sufficient, Fx = Fail, F = Fail.
- The grading criteria are communicated to the students at the start of the course.

d. In order to complete the whole course segment the student must obtain at least grade E (or P with Pass/Fail grades) in all course components/examinations.

e. In addition the following regulations also apply:

- Students who obtain grade Fx in a written examination task are allowed to complete a supplementary assignment in order to elevate the grade to E.

The examiner informs the concerned students when the results of the written examination are published. The supplementary assignment has to be submitted within a given deadline and can only be utilized to elevate the grade of the actual examination task.

- Students who obtained grade E in an examination task are not allowed to re-write the examination or resubmit the assignment in order to obtain a higher grade.

- Students who have failed the same examination task twice are allowed to have another examiner appointed, unless there are special reasons to the contrary.

### **Interim**

When a course is discontinued, or its contents are substantially altered, the following applies:

- Failed examination tasks are replaced with other similar examination tasks according to a specific plan.

- If no similar examination tasks can be provided, at least three examination opportunities per examination task should be offered during a period of at least three terms from the date of the decision. After this period, no examinations should be carried out on the course.

### **Limitations**

This course may not be included in a degree together with a course, taken in Sweden or elsewhere, of identical or partially similar content.

### **Required reading**

Information about course literature is available on the department's website - [www.dsv.su.se](http://www.dsv.su.se) - at least two months before the start of the course.