



MJ2670 Risk Management 6.0 credits

Riskmanagement

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for MJ2670 valid from Autumn 2011

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Chemistry and Chemical Engineering

Specific prerequisites

At least 100 academic credits (ECTS) in a program of engineering or natural science including documented proficiency in english B or equivalent. .

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After you have passed the course you should be able to:

- Describe and explain the concept of risk from different research paradigms
- Have knowledge about the most common engineering methods for risk assessment
- Describe methods for environmental risks assessment and know the principles for how risks can be evaluated and communicated to different interest groups in decision processes
- Describe and use existing methods and tools for conflict resolution strategies in cases in environmental risk management
- Critically examine how information and knowledge are used by different interest groups in existing environmental conflicts
- Analyze different frames held by stakeholders in an ongoing conflict. This means evaluation of how different people and interest groups develop their views on an environmental conflict
- Be able to outline conflict resolution strategies for chosen environmental conflicts

Course contents

- Risk paradigms in society
- Methods for qualitative and quantitative risk assessment
- Principles for risk evaluation
- Risk in decision making processes - Processes, methods and tools for conflict resolution
- Risk perception and risk communication
- Project work on an ongoing or potential environmental conflict

Course literature

Distributed compendium

Examination

- PRO1 - Project, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- UPP2 - Assignment, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- NÄR1 - Attendance, 1.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.