



AE2706 Integrated Water Resources Management 7.5 credits

Integrerad vattenförvaltning

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

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

Establishment

Course syllabus for AE2706 valid from Autumn 2008

Grading scale

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

Education cycle

Second cycle

Main field of study

Built Environment

Specific prerequisites

Basic knowledge in Environmental Planning and Hydrology or equivalent

Language of instruction

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

Intended learning outcomes

At the end of the course, the participants should be able to:

- Explain the concept and principles of IWRM
- Describe the methodologies and tools for practicing IWRM
- Analyze the EU WFD as an example of IWRM in practice
- Work with integrated water management projects and get a fair insight in in the EU WFD

Course contents

The course gives insights in the theoretical and methodological elements underlying the notion of 'integrated water resources management' (IWRM), with focus on concepts and tools for sustainable planning and management of water resources.

Syllabus

- **History of water management**
- **Concepts and theoretical perspectives on IWRM**
- **Principles, methodologies & tools for practising IWRM**
- **Cross-cutting global issues in IWRM, e.g., stakeholder participation, gender, public-private debate**
- **EU WFD as an example of IWRM in practice, including transboundary management aspects**
- **Small individual research project with focus on the implementation of the WFD.**

Course literature

See homepage three months before start of course

Examination

- SEM1 - Seminars, 3.0 credits, grading scale: P, F
- TEN1 - Examination, 4.5 credits, grading scale: A, B, C, D, E, FX, 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.

Other requirements for final grade

Approved written examination (TEN1; 4,5 cr) and approved individual assignment and laboratory course (SEM1; 3 cr),

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.