



Faculty of Health, Science and Technology  
Risk Management

## Syllabus

### Climate adaptation and risk reduction

<b>Course Code:</b>	RHAD03
<b>Course Title:</b>	Climate adaptation and risk reduction <i>Klimatanpassning och riskreducering</i>
<b>Credits:</b>	7.5
<b>Degree Level:</b>	Master's level
<b>Progressive Specialisation:</b>	Second cycle, has second-cycle course/s as entry requirements (A1F)

**Major Field of Study:**  
RHA (Risk Management)

#### Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2015-02-18, and is valid from the Autumn semester 2015 at Karlstad University.

#### Prerequisites

Natural Disaster Management 1 (CCAD13) and 2 (CCAS23), totalling 15 ECTS cr, of which 10 ECTS cr must be completed.

#### Learning Outcomes

Upon completion of the course, students should be able to:

- give an account of and reflect on the challenges and potentials of integrating risk reduction and climate adaptation with reference to theoretical concepts and at a conceptual level,
- analyse and reflect on the need of cooperation between actors in science and society to handle the challenges facing risk management and climate adaptation,
- independently plan and systematically conduct a comparative study in which methods and strategies integrating climate adaptation and risk reduction are applied, and present the study orally and in writing,
- give an account of, discuss, critically review and assess conclusions drawn and knowledge gained from their own and other students' projects in seminar.

#### Content

The course starts with an overview of the expected effects of climate change at global and national levels, and a survey of current processes taking place in Sweden on these issues. Central theoretical concepts integrating the usually short-term risk reducing perspective with the more long-term climate adaptation perspective are studied. Guides and tools in the field that are available at national and international levels are studied and applied in an individual project.

Instruction is web-based with two on-campus meetings which include mandatory discussion sessions. Students are required to have access to internet-connected computer with performance meeting the university's technical requirements. The course is problem-based and designed for flexible learning.

**Reading List**

See separate document.

**Examination**

Assessment is based on individual hand-in assignments, an individual take-home exam and seminars.

**Grades**

One of the grades Fail (U), Pass (G), or Distinction (VG) is awarded in the examination of the course.

**Quality Assurance**

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

**Course Certificate**

A course certificate will be provided upon request.

**Additional information**

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.