



# CH209V RAMP Course 1: Assessment of Work-Related Injury Risks using RAMP I 2.5 credits

RAMP-kurs 1: Riskbedömning av arbetsrelaterade skador med RAMP I

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 CH209V valid from Autumn 2023

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Technology and Health

## Specific prerequisites

120 credits in technical science, natural science, medical science (incl. Audiologist, Physiotherapist) or human resources science. Alternatively, at least 2 years of professional experience in work environment development. English B/6

# Language of instruction

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

# Intended learning outcomes

In this, the first RAMP course, the overall objectives are that the student acquires an overview of the risk management tool RAMP and how each of the four modules in the RAMP tool should be applied. In addition, the objective is that the student gets hands-on training in carrying out risk assessments with the RAMP I module and learns how to interpret the results, as well as how to proceed in the risk management process.

After successful completion of this course the student shall:

1. have acquired and be able to articulate basic knowledge of musculoskeletal disorder (MSD) risk factors, a selection of MSD risk assessment methods, and injuries related to manual handling and their consequences for individuals, organisations and society
2. be able to identify MSD risk factors in manual handling at the workplace
3. be able to perform MSD risk assessments using RAMP I
4. be familiar with how to interpret the assessment results and develop risk-reducing solutions and action plans (using RAMP Results and Action modules)
5. be able to make informed decisions on how to proceed with the risk management process when MSD risk factors have been identified

# Course contents

The course consists of

- ÖVN 1: a digital part with videos, reading material, assignments (including questions and discussions) and examination (ÖVN 1). Here 6 modules are included: Course Introduction, Musculoskeletal Disorders (MSDs), The RAMP Tool, RAMP I Assessment and Example from the Food Industry, RAMP I Assessment and Example from the Logistics industry Example and a Final Exam and the End of the Course module.
- INL 1: An assignment, which partly is based on a research paper.
- SEM 1: four webinars via Zoom with discussion of and reflection on course material and assignments in ÖVN 1 and INL 1.

The course is given as a distance course (online).

# Examination

- INL1 - Hand in assignment, 0.5 credits, grading scale: P, F
- SEM1 - Seminars, 0.5 credits, grading scale: P, F
- ÖVN1 - Exercises, 1.5 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.

## 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.