



# 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.

## Establishment

Course syllabus for CH209V valid from Autumn 2024

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Technology and Health

## Specific prerequisites

120 credits in technical science, natural science or medical 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

In the course "Risk assessment of work-related injuries with RAMP I," the student receives an overview of the entire RAMP tool and learns to identify and assess musculoskeletal disorder (MSD) risks using the first module of the RAMP tool (RAMP I).

The course content is given in different modules with a focus on:

- Musculoskeletal injuries,
- The RAMP I tool,
- Assessment and examples from the food industry,
- Assessment and examples from the logistics industry,
- Discussions and reflections, including a research article

The course is given remotely.

In the course seminars and for the assignments, the course language is Swedish. Some of the course material, including videos and self-correcting tasks, is in English.

## Examination

- ÖVN1 - Exercises, 1.5 credits, grading scale: P, F
- SEM1 - Seminars, 0.5 credits, grading scale: P, F

- INL1 - Hand in assignment, 0.5 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.

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

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.

Learning objective 1 is examined through ÖVN1, INL1 and SEM1.

Learning objective 2 is examined through ÖVN1 and SEM1.

Learning objective 3 is examined through ÖVN1.

Learning objective 4 is examined through ÖVN1 and SEM1.

Learning objective 5 is examined through ÖVN1, SEM1 and INL1

## 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.