



# CH210V RAMP Course 2: Management of Work-Related Injury Risks using RAMP II 2.5 credits

RAMP-kurs 2: Riskhantering av arbetsrelaterade skador med RAMP II

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 CH210V 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 second RAMP course, the objectives are that the student acquires hands-on training on how to perform systematic risk management, from identification and assessment of risks to the development of solutions and action plans, using the RAMP tool. This includes hands-on training in carrying out risk assessments with the RAMP II module and learning 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. be able to use all four modules in the RAMP tool
2. familiar with commonly used musculoskeletal disorders (MSD) risk assessment methods
3. able to carry out in-depth assessments of MSD risk factors using the second module in the RAMP tool, RAMP II
4. able to develop risk reducing solutions and action plans by using RAMP Results and Action modules
5. familiar with how to present results from risk assessments to different stakeholders within an organization
6. able to make informed decisions on how to proceed with the risk management process

## Course contents

In the course "Risk management of work-related injuries with RAMP II", the student learns to use all four modules of the RAMP tool. This includes, for example, how to present the results of risk assessments to various stakeholders within an organization and how to create action plans for improvement.

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

- Musculoskeletal injuries,
- The RAMP II 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

- 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.

Learning objective 1 is examined through ÖVN1 and SEM1.

Learning objective 2 is examined through ÖVN1 and SEM1.

Learning objective 3 is examined through ÖVN1, INL1 and SEM1.

Learning objective 4 is examined through ÖVN1 and SEM1.

Learning objective 5 is examined through ÖVN1 and INL1

Learning objective 6 is examined through ÖVN1, SEM1

## 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.