



HN2015 Occupational Safety and Health Management and Change 7.5 credits

Förändringsledning och arbetsmiljö

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 HN2015 valid from Autumn 2018

Grading scale

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

Education cycle

Second cycle

Main field of study

Technology and Health

Specific prerequisites

Academic first degree, 180 higher education credits/ECTS, in engineering or natural sciences or equivalent education.

Language of instruction

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

Intended learning outcomes

Describe and explain different forms of work organisations and their influence on development processes.

Describe different forms of leadership and explain how they relate to change management.

Understand and apply sociotechnical (human, technology and organisation) perspectives on safety and health management.

Developed ability in how to apply improvements of the work environment, the work health and the concerned system.

Describe and explain, with a special focus on occupational safety and health, different kinds of processes that relate to project organisations and change management.

Identify and apply laws and regulations in the subject area.

Identify and apply important factors for systematic and sustainable occupational safety and health work management.

Understand the meaning of gender in relation to work organisations and occupational safety and health.

Course contents

Introduction to the program's main field technology and health with a system perspective on work organisations, occupational safety and health, change management, project organisations as well as Swedish and international legislation and regulations.

Course literature

Karlton, A., Karlton, J., Berglund, M., & Eklund, J. (2017). HTO—A complementary ergonomics approach. *Applied ergonomics*, 59, 182-190.

Robson, L. S., Clarke, J. A., Cullen, K., Bielecky, A., Severin, C., Bigelow, P. L., ... & Mahood, Q. (2007). The effectiveness of occupational health and safety management system interventions: a systematic review. *Safety Science*, 45(3), 329-353.

Swedish Government. 1977. Swedish Work Environment Act SFS1977:1160

European Union. Directive 89/391/EEC - OSH "Framework Directive"

Swedish Work Environment Authority. 2015. Organisational and social work environment (AFS 2015:4Eng)

Swedish Work Environment Authority. 2001. Systematic Work Environment Management (AFS 2001:1Eng)

Thompson, Paul, and David McHugh. Work organisations: A critical approach. Palgrave Macmillan, 2009.

Vänje, A. Under luppen - genusperspektiv på arbetsmiljö och arbetsorganisation (RAP 2013:1), kunskapssammanställning, Arbetsmiljöverket (In translation)

Supplemented with journal articles and book chapters.

Examination

- PRO1 - Laboratory Work, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminars, 2.5 credits, grading scale: P, F
- TEN1 - Examination, 3.0 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.

Seminars (SEM1, 2,5 hp) Grading scale P/F

Project work (PRO1, 2 hp) Grading scale A-F

Written exam (TEN1, 3 hp) Grading scale A-F

Final grading is based on the scale A-F

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.