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 2019

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

After the course the student should be able to:

1. Describe and analyse different forms of work organisations and their influence on development processes.
2. From an overall level describe different forms of leadership and explain how they relate to change management.
3. Understand and independently apply sociotechnical (human, technology and organisation) perspectives on safety and health management.
4. Independently suggest and value improvements that promotes safety and health and the organisational efficiency.
5. Independently describe and explain, with a special focus on occuaptional safety and health, different kinds of processes that can arise in relation to project organisations and change management.
6. From an overall level identify and apply laws and regulations in the subject area.
7. Identify and apply important factors for systematic and sustainable occupational safety and health work managment.
8. Understand the basic 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, occuaptional safety and health, change management, project organisations as well as swedish and international legislation and regulations.

Course literature

Ellström, P-E. 2010. Practice-based innovation: a learning perspective. In Journal of Workplace Learning Vol 22 No 1 - 2, Emerald

Government Offices of Sweden. 1977. Work Environment Act (Arbetsmiljölagen) SFS 1977:1160, https://www.government.se/government-policy/labour-law-and-work-environment/19771160-work-environment-act-arbetsmiljolagen/

Haslam, C. et al. 2016. Proactive occupational safety and health management: Promoting good health and good business. In Safety Science vol 81 pp 89 -108, Elsevier

Hydén, H. 2009. Work Environment Legislation. In Bohgard, M., & Dahlgren, B. (2009). Work and technology on human terms. Stockholm: Prevent. (pp 668 – 701)

Johansson, J. & Abrahamsson, L. 2009. The organisation of production and work. In Bohgard, M., & Dahlgren, B. (2009). Work and technology on human terms. Stockholm: Prevent. (52 pages)

Karltun, Anette, Karltun, Johan, Berglund, Martina, & Eklund, Jörgen. (2017). HTO – A complementary ergonomics approach. In Applied Ergonomics, 59(PA), 182-190, Elsevier

Loup, R. & Koller, R. 2005. The road to commitment: Capturing the Head, Hearts and Hands of People to effect Change. Forum Articles: Vol 23. Nr 3

Nord Nilsson, L., & Vänje, A. (2018). Occupational safety and health professionals' skills – A call for system understanding? Experiences from a co-operative inquiry within the manufacturing sector. Applied Ergonomics, 70, 279-287, Elsevier

Swedish Work Environment Authority. 2015. Organisational and social work environment, AFS 2015:4Eng provisions www.av.se

Swedish Work Environment Authority. 2001. Systematic Work Environment Management, AFS 2001:1Eng provisions www.av.se

Taylor, F. W. 1920. Rationell arbetsdelning. Taylorsystemet. Stockholm: Aktiebolaget Nordiska Bokhandeln

Taylor, F. 1919. The Principles of Scientific Management. Harper and Brothers Publishers, New York and London (http://strategy.sjsu.edu/www.stable/pdf/Taylor,%20F.%20W.%20(1911).%20New%20York,%20Harper%20&%20Brothers.pdf)

Va¨yrynen, S et al (eds). 2015. Integrated Occupational Safety and Health Management Solutions and Industrial Cases. Cham : Springer International Publishing : Imprint: Springer (pp 5 – 153), on-line resource

Vänje, A. (2017). Under the Magnifying Glass - Gender perspectives in work environment and work organisation. Knowledge Review, Report 2013:1 Eng. Swedish Work Environment Authority, Stockholm

Utdelat material på föreläsningar samt föreläsningsmaterial som finns på kursens CANVAS-plats.

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.

Final grading is based on the scale A-F.

The learning outcomes will be examined orally and in written form through active participation in seminars, a written project work that also should be orally presented and a written exam.

Grading criterias and in which examination forms the various learning outcomes are examined are presented more detailed in the course PM.

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.