HH1904 Career Development and Engineering 7.5 credits

Karriärutveckling och ingenjörskompetens

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for HH1904 valid from Spring 2011

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Knowledge corresponding to the qualification requirements for admission to the bachelor's programme in engineering.

Language of instruction

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

Intended learning outcomes

The aim of the course is to prepare the student for different situations encountered in working life. This includes training the ability to reflect over career options as well as the development of industry contacts.

After completing the course the student will:

- Have increased knowledge concerning the professional role and working life.
- Have developed the ability to reflect and draw conclusions about self and surroundings, including being conscious of the structures that permeate working life, and be able to problematise this using significant factors such as gender and ethnicity.
- Understand the importance of personal and professional development in future occupational activity and be able to evaluate the personal need for this.
- Have an increased ability to understand and engage with one's own and other people's needs and feelings, as a leader and colleague, and be able to analyse this in meetings with others.
- Understand that the professional role of the engineer entails personal responsibility and accountability for the decisions one has actively made.
- Write a group report and a personal reflection. The student will also hold an oral presentation.

Course contents

- Educational choices and the role as a student.
- The professional role and working life.
- Communication and interaction.
- Career development.
- Communication and professional life.
- Work experience.

Disposition

The course encompasses 1 credit/semester from the first to the fifth semester. The student will also attend a period of work experience at a workplace with clear ties to the student's technical area.

The learning format is experience-based and attendance is therefore obligatory. A large part of the course is formed around field trips and contacts with professionally active engineers.

Course literature

Liljeqvist, Björn, Plugga smart och lär dig mer, Studentlitteratur ISBN 9789-1440-172-59

Nilsson Björn, Samspel i grupp, Studentlitteratur ISBN 9789-1440-435-48

Carlsson Torild, Äntligen måndag, Langenskiöld ISBN 9789-1975-718-38

Plus hand-outs.

Examination

- ÖVN1 - Lecture, 1.0 credits, grading scale: P, F
- ÖVN4 - Exercises, 1.0 credits, grading scale: P, F
- ÖVN5 - Exercises, 1.0 credits, grading scale: P, F
- ÖVN2 - Exercises, 1.0 credits, grading scale: P, F
- ÖVN3 - Exercises, 1.0 credits, grading scale: P, F
- PRA1 - Placement, 2.5 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.

Other requirements for final grade

Obligatory participation in field trips, seminars and other exercises. All sections of the course are normally completed in the order that they are given. The practical component of the course and the written report completed with a passing grade.

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.