Syllabus

Engineering Work Experience

As stipulated by LTH’s Board on April 19, 2010 (applicable from: 2010-05-01)

Credits: 15. Grades: Pass, Fail. Level: G2 (Basic course, continuation)

Teaching language: The course may be given in languages other than Swedish.

Course coordinator: The head of department will appoint a lecturer to be the student’s supervisor and examiner in each case.

Requirements: At least 150 approved credits from compulsory or elective courses in years 1-3 in a 3,5-year or 5-year engineering programme. Applicants are also required to have sufficient knowledge in the relevant subject area. The supervisor appointed by the department is responsible for deciding whether this requirement has been fulfilled before the student embarks on the course.

Assessment/Examination: Students will be assessed based on a written, theoretical/analytical report which is to be presented at a seminar. To obtain a Pass, the student is required to work fulltime at the chosen or assigned place of work. The supervisor at the place of work must certify that the student has been present for the required period of time, and has played an active part at the workplace. In the case of illness, the supervisor at LTH must be informed, and he or she will determine whether the period of absence is reasonable in relation to the length of the course.

Other information: The proposed project plan is to be approved by the LTH supervisor/examiner before commencing the course. The external party is to provide a named supervisor for the whole period. Both supervisors must devote the time and effort required to help the student in his or her work. Instruction is to take place within the framework of the project carried out at the place of work.

Aim

The intention of the course is to stimulate discussions and reflections concerning the professional role of the engineer, through work experience. The aim of the course is to provide students with the knowledge and abilities required to work independently as an engineer, and to provide examples of the situations and problems facing engineers and ways of dealing with them.

Knowledge and understanding

Upon completion of the course, the student will:

- have gained insight into the various opportunities and conditions for the applicability of his/her knowledge,
- have a basic understanding of the demands of the engineering profession, particularly those that are not strictly technical, but are often directly connected to the work of a professional engineer,
- understand the importance of collecting and sorting relevant information regarding technical and engineering problems,
- have gained insight into the diversified role of today’s professional engineers.
**Skills and abilities**
In order to pass the course, the student must:

- verbally describe his/her experiences and what he/she has learnt from the course at a seminar, and
- be able to describe and analyse the professional role of an engineer.

**Assessment ability and attitude**
During the course, the student must:

- have developed the ability to collaborate with other engineers and professionals in the field, in order to carry out the assigned tasks.