UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

Design and Development Project II A1N

6 credits

Course code: VP774A
Version number: 1
Valid from: 1 January 2026
Ratified by: Curriculum Committee for Engineering Science
Date of ratification: 22 May 2025

1. General information about the course

The course is provided by the University of Skövde and is named Design and Development Project II A1N (Utformnings- och utvecklingsprojekt II A1N). It comprises 6 credits and is a second-cycle course. The level of progression is A1N.

The course is a part of the main field of study in Virtual Product Realization. The disciplinary domain of the course is Technology.

2. Entry requirements

A Bachelor's degree equivalent to a Swedish kandidatexamen of 180 credits, within the main fields of integrated product development or production engineering or automation engineering or mechanical engineering or information technology (or the equivalent)

A further requirement is proof of skills in English equivalent of studies at upper secondary level in Sweden, known as English course 6 or English level 2 (or the equivalent). This is normally demonstrated by means of an internationally recognized test, e g IELTS or TOEFL or the equivalent.

3. Course content

The course aims for the students to gain experience of undertaking an engineering project within their specalization. In the course, the students will work together in teams on a specific part of an engineering problem. They will implement, test, evaluate, document and reflect upon the engineering solution that they have worked with.

4. Objectives

After completion of the course, the student shall be able to:

- design and carry out a range of appropriate evaluation tests on a system or artefact,
- evaluate the results of the tests on the system or artefact,
- reflect, discuss and evaluate the risks, safety and reliability of a system or artefact,
- prepare detailed documentation on the results of the project and system or artefact,
- give a clear and detailed presentation of a problem and the solution orally to both researchers and industrial practitioners,
- reflect upon the solution and make suggestions for further refinements taking into account safety, reliability, sustainability and ethicality.

5. Examination

The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

The final grade is determined by the grades for the examinations parts Presentation and Individual written assignment.

The examinations of the course consist of the following modes of assessment:

- **Individual written assignment**
  3 credits, grades: A/B/C/D/E/F
- **Presentation**
  2 credits, grades: A/B/C/D/E/F
- **Written report**
  1 credit, grades: G/U

Students with a permanent disability who have been approved for directed educational support may be offered adapted modes of assessment.

6. Types of instruction and language of instruction

The teaching is comprised of workshops, project work, supervision and seminars/group discussions.

The teaching is conducted in English.

7. Course literature and other educational materials

The list of scientific articles and other materials is provided on the course page on the learning platform.

8. Student influence

Student influence in the course is ensured by means of course evaluation. The students are informed about the results of the evaluation and potential measures that have been taken or are planned, based on the course evaluation.

9. Additional information

Further information about the course, as well as national and local governing documents for higher education, is available on the website of the University of Skövde.