*Course syllabus*

# Project in Computer Science
# Projekt i datavetenskap

## EDAN70, 7.5 credits, A (Second Cycle)

**Valid for:** 2025/26
**Faculty:** Faculty of Engineering LTH
**Decided by:** PLED C/D
**Date of Decision:** 2025-04-14
**Effective:** 2025-05-05

## General Information

**Depth of study relative to the degree requirements:** Second cycle, in-depth level of the course cannot be classified
**Elective for:** C4, D4-pv, E4-bg, E4-pv, F4, I5-pvs, MMSR1, Pi4
**Language of instruction:** The course will be given in English on demand

## Aim

The aim of the course is to develop a deeper understanding of a subarea of computer science.

## Learning outcomes

*Knowledge and understanding*
For a passing grade the student must

- have a deepened knowledge of the chosen topic
- know how to document and present a project according to scientific standard

*Competences and skills*
For a passing grade the student must

- be able to plan, execute, and document the chosen project
- be able to search for and summarize relevant information
- be able to apply gathered knowledge within the chose area
- be able to present the result of the project in both written and oral form

*Judgement and approach*
For a passing grade the student must

- be able to reflect on the project in a short report

## Contents

In this course, the student perform a project within a subarea of computer science with connection to the resarch being performed at the department and the courses given at the department. The course gives an opportunity to further deepen the knowledge within an area of computer science the student has already become familiar with by taking other courses at the department. The course includes:

- supervised literature studies via databases and library
- supervised practical work within the chose project area
- written report in Swedish or English according to standard from international reviewed journals and oral presentation, in Swedish or English, at a public seminar

Available project topics can vary from course instance to course instance and will be announced beforehand on the course web page. Topics are selected from the department's advanced courses. No guarantee is given that all topics will be available at each course instance. If supervisors are available within the research groups of the department, an individual course plan can be made for a project performed within one of the research projects at the department.

## Examination details

**Grading scale:** UG - (U, G) - (Fail, Pass)
**Assessment:** To pass the course, the students will have to complete the project work, write a short report, and present their work orally.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

**Modules**
**Code:** 0114. **Name:** Project in Computer Science.
**Credits:** 7.5. **Grading scale:** UG - (U, G).

## Admission

**Admission requirements:**

- EDAA01 Programming - Second Course, EDAA30 Programming in Java - Second Course, or FRTF25 Introduction to Machine Learning, Systems and Control plus one of the department’s courses on G2 or A level related to the chosen topic for the project. The specific course requirements and available project topics will be explicitly stated at the course web page for each course instance.

**The number of participants is limited to:** 30
**Selection:** Completed university credits within the programme. Priority is given to students enrolled on programmes that include the course in their curriculum.

## Reading list

- Original scientific articles or other litteratur related to the chose topic.

## Contact

**Course coordinator:** Studierektor, studierektor@cs.lth.se
**Course homepage:** https://cs.lth.se/edan70/