



Faculty of Health, Science and Technology
Computer Science

Syllabus

Computer Science - Degree project / Bachelor´s project

Course Code: DVGC25

Course Title: Computer Science - Degree project / Bachelor´s project
Examensarbete / Kandidatarbete

Credits: 15

Degree Level: Undergraduate level

Progressive Specialisation: First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contains degree proj. for B.A./B.Sc. (G2E)

Major Field of Study:
DVA (Computer Science)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2024-01-30, and is valid from the Autumn semester 2024 at Karlstad University.

Prerequisites

Completed programme courses of at least 120 ECTS credits (Master or Bachelor in Computer Engineering or Bachelor in Computer Science), including 60 ECTS credits in Computer Science with at least 30 ECTS at the G1F level or higher, or equivalent

Learning Outcomes

Upon completion of the course, the student should be able to:

- complete and describe both orally and in writing independent assignments in project form and critically assess and evaluate project reports,
- identify, formulate, and delimit problems and apply methods in a chosen subject area in ways that meet scientific requirements,

- apply knowledge and skills acquired in previous courses to address problems in a selected subject area,
- plan their own work so that interim targets can be met,
- analyse the need for scientific information, search for information, and then evaluate it,
- present their work in written reports that conform to scientific and technical norms in terms of content, structure, and language,
- give oral presentations that meet requirements for timing, clarity of speech, delivery, and illustrations, and
- review and give feedback on technical or scientific reports in the field, and evaluate feedback on their own projects.

Content

The course combines theory and practice. Students perform an assessment or design assignment in groups. The work includes selecting a subject, formulating a problem, planning, literature studies, contact activities, empirical data collection, design, and reporting. Students will also review the projects of others and defend their own project, described in a report written individually or in a group in consultation with the course convener.

Supervision is provided for the duration of the course. Reregistered students are only offered supervision if circumstances permit.

Reading List

See separate document.

Examination

Assessment is based on a written report and an oral presentation and defence of the results of the assignment. Students are also required to serve as peer reviewers of the report of another student in a seminar.

The number of assessment opportunities is limited to five.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades 5 (Pass with Distinction), 4 (Pass not without Distinction), 3 (Pass), or U (Fail) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.

