



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 <i>Examensarbete / Kandidatarbete</i>
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 2016-02-22, and is valid from the Autumn semester 2016 at Karlstad University.

Prerequisites

Completed courses of at least 120 ECTS credits, including 60 ECTS credits in Computer Science of which at least 30 ECTS in Computer Science at GIF-level or higher. Equivalent courses may be considered.

Learning Outcomes

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

- undertake, and describe both orally and in writing, an independent assignment 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/technical norms in terms of content, structure and language,
 - make oral presentations that meet requirements for timing, clarity of speech, delivery and illustrations, and
 - review and give feedback on a technical/scientific report in the field, and evaluate similar 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 other students' projects and defend their own project, described in a report written individually or in a group in consultation with the course convener.

Supervision is only offered to students while the course is in progress. Reregistered students are offered supervision to the extent made possible by available resources.

Reading List

See separate document.

Examination

Assessment is based on a written report and participation in an oral presentation and defence of the results of the assignment. Students are also required to serve as the peer reviewer of a fellow-student's report in a seminar.

In order to use lecturers' time effectively, the number of examinations is limited to five.

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.