Faculty of Health, Science and Technology
Computer Science

Syllabus

Project Work in Computer Science

Course Code:	DVGC23
Course Title:	Project Work in Computer Science *Projektarbete i Datavetenskap*
Credits:	7.5
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has at least 60 credits in first-cycle course/s as entry requirements (G2F)

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
60 ECTS credits completed including Data Structures and Algorithms, 7.5 ECTS cedits, and registered for Software Engineering, 7.5 ECTS credits, or equivalent

Learning Outcomes
Upon completion of the course, students should be able to:
- demonstrate an understanding of the problems, procedures, and tools common to programming projects,
- demonstrate the ability to plan and carry out tasks using appropriate methods and keeping deadlines,
- demonstrate the ability to function and cooperate in teams,
- demonstrate the ability to define their needs for further knowledge and develop their competence,
- apply professional programming development methodology in a project, and

- present their results orally and in writing.

Content
Students apply a development method to a given problem in a major programming project and implement their solutions. Instruction is in the form of a few lectures followed by a supervised group project. Throughout the course, students report in writing on their progress and interim results. The reports form the basis of the oral and written seminar presentations of the work at the end of the course.

Reading List
See separate document.

Examination
Assessment is based on continuous reports on the progress of the project and on the individual contribution to the solution, and on an oral presentation and a written report.

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 with Some 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.