Offered by
ICT Engineering

Semester Project: Single User System

ECTS
5

Prerequisites
General admittance requirements.

Main purpose
The purpose is to develop and document a single user system as well as demonstrate an acquisition of process skills.

Knowledge
The student should be able to understand:

- The Waterfall method as a software development process
- Requirements, use case modelling and activity diagrams in relation to the analysis stage
- Class diagram and sequence diagrams in relation to the design stage
- Basic use case testing
- Group roles

Skills
The student should achieve the skills to:

- Design and describe an object oriented model using UML
- Practice implementing smaller software systems in Java
- Create a website '
- Present considerable skills for presentation, both written and oral
- Present a project report in a well-structured manner
- Describe a project in a process report
- Solve a specific task in collaboration with group members

Competences
The student should be able to:

- Analyse, design, implement and document a single user system from a case story
- Create small software systems with UML according to the object-oriented method
- Control and structure a project as it progresses
- Reflect on the group and individual leaning processes

Topics

Teaching methods and study activities
Lessons, input, meetings, project work, facilitation.
CATEGORY 1
Participation of lecturer and students
Initiated by the lecturer
14 hours -10%

- Lessons
- Project facilitation, meetings with supervisors
- Exam

CATEGORY 2
Participation of students
Initiated by the lecturer
28 hours -20 %

- Hand ins
- Project work
- Homework

CATEGORY 3
Participation of students
Initiated by students
70 hours - 50 %

- Preparation for exam
- Self-study
- Project work
- Literature search

CATEGORY 4
Participation of lecturer and students
Initiated by students
28 hours -20 %

- Supervisor meetings

Resources
Online resources.

Evaluation
Qualifying criteria for attending examination:

Group reports including students´ name handed in before deadline.

Examination

The basis of the examination is the project report which should be done as a group project. First the entire group presents the project (5 minutes per person). Then a group examination will follow in accordance with the guidelines . It must be stated in the report which parts and subjects each member is responsible for.

Grading criteria
100% of the grade is based on a total assessment of the written materials, oral presentation and individual performance at the examination.

Additional information

Responsible
Steffen Vissing Andersen (SVA)

Valid from
15.8.2017

Course type
ICT Engineering;Compulsory Course for all ICT Engineering;Project;1. semester;
Software Ingeniør;Compulsory for Software Ingeniør;1. semester;

VIA University College