



Course syllabus

Faculty of Technology

Department of Informatics

1IK003 Objektorienterad analys och processbeskrivning, 7,5
högskolepoäng

Object Oriented Analysis and Process Modeling, 7.5 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved 2009-12-15

Revised 2021-06-10 by Faculty of Technology. Literature list is revised.

The course syllabus is valid from autumn semester 2021

Prerequisites

General entry requirements for university studies.

Objectives

The aim of the course is to provide students with the knowledge and skills required to be able to analyse and describe operations methodically and with an object-oriented approach.

After completing the course, the student is expected to be able to

- demonstrate skills in using a structured method for analysis and modelling of operations
- demonstrate skills in using object-oriented techniques to describe operations
- demonstrate skills in, and an understanding of the importance of adopting a structured approach to analysis and modelling
- demonstrate skills in analysing and describing case studies.

Content

The course covers:

- an overview of object-oriented methods for analysis and description of operations
- an overview of object-oriented techniques for presentation and documentation of such analyses and descriptions
- exercises in object-oriented methods and techniques for analysis and description of different case studies.

Type of Instruction

Teaching is delivered in the form of lectures, seminars and exercises. Exercises are conducted individually or in groups. Participation in certain parts of the course is compulsory.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

The students' performance is assessed through written and/or oral examinations and/or presentation of compulsory assignments. Examination forms are determined when the course starts.

Resit examination takes place closely after the regular examination.

Course Evaluation

During or shortly after the course, a course evaluation should be conducted. The result and analysis of the course evaluation should be promptly communicated to the students who have taken the course. Students who are taking the course when it is offered the next time should be informed of the result at the course introduction. The course evaluation is anonymous.

Other

After completing the course, the student may obtain a course certificate upon request to the department secretary. After completing a degree, the student may obtain a degree certificate upon application to the Office of Student Affairs.

Required Reading and Additional Study Material

Required reading

Seidl, Martina, Scholz, Marion, Huemer, Christian and Kappel, Gerti, 2015. *UML@classroom: An introduction to object-oriented modeling*. Springer. ISBN: 9783319127415. 206 pages.

Informatics, *Compendium*, current year. 100 pages.