

# ITI41120 Applied Computer Science Project (Spring 2023)

## Facts about the course

**ECTS Credits:** 10

**Responsible faculty:** Faculty of Computer Science, Engineering and Economics

**Campus:** Halden

**Course Leader:** Stefano Nichele

**Teaching language:** English

**Duration:** ½ year

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## The course is connected to the following study programs

Mandatory course in the master programme in applied computer science full-time and part-time.

## Absolute requirements

Passed at least one specialisation course in the first semester

## Lecture Semester

Second semester (spring) in the full-time programme.

Fourth semester (spring) in the part-time programme.

# The student's learning outcomes after completing the course

## Knowledge

### The student

- has deep knowledge of at least one research area at the faculty
- is familiar with relevant publishing channels
- is familiar with relevant methods and techniques

## Skills

### The student is able to

- write a scientific paper aimed at publishing
- define and defend a research problem
- develop and carry out a research design

## General competence

The student gains experience with project work, including planning, performing and reporting in an existing research area

## Content

In this course, the students will complete a project based on their two specialisations. The topic for the project is chosen in collaboration with the supervisor and shall, as a general rule, be linked to an existing research area at the department.

The project should be applied within a domain relevant to the digital society.

## Forms of teaching and learning

Practical project work with regular supervision.

## Workload

Approx. 280 hours.

## Coursework requirements - conditions for taking the exam

The student must deliver:

- a project description within two weeks after starting the project
- a mid-term report

Coursework requirements must be accepted to qualify for the exam.

## Examination

Paper and individual oral exam

The assessment is based on the paper and an individual oral exam.

The paper (approx. 10 pages) is graded on the A - F grading scale. It is given a tentative grade of the paper. This grade can be adjusted up to 2 stages at the oral exam. The papers can be carried out individually or in groups of two students. The students will get an individual grade.

The individual oral exam consists of a presentation and discussion of the paper. Duration approx. 20-30 min. Except the presentation, no supporting materials are allowed.

If the student decides to challenge the assessment, the paper must be re-assessed. If the new assessment affects the tentative grading of the paper, a new oral exam will be arranged.

## Examiners

External and internal examiner, or to internal examiners.

## Conditions for resit/rescheduled exams

Upon re-examination, both parts of the examination must be retaken. Upon re-examination, a new project must be carried out.

## Course evaluation

This course is evaluated by a

- Mid-term evaluation (compulsory)

The responsible for the course compiles a report based on the feedback from the students and his/her own experience with the course. The report is discussed by the study quality committee at the Department of Computer Science and Communication.

## Literature

The current reading list for 2023 Spring can be found in Leganto