

IMT4886 Applied Computer Science Project - Study plans 2016-2017

Course code:

IMT4886

Course name:

Applied Computer Science Project

Course level:

Master (syklus 2)

ECTS Credits:

7.5

Duration:

Autumn

Language of instruction:

English

Expected learning outcomes:

Knowledge:

- The students have gained knowledge in tools and methodologies used to develop “state-of-the-art” computer applications
- The students know how to reflect on their own and their team mates' contributions, collaborative efforts, and behaviour impact the result of team work.

Skills:

- The students are capable of using “state-of-the-art” tools and methodologies in development work.
- The students are capable of planning and conducting systematic testing of software and systems.
- The students can write technical reports documenting the process and the product.
- The students are capable of analysing group work, and based on this reflect on communication, planning, task resolution, decision making, and challenges arising in a group project.
- The students are capable of initiating work and measures that contributes to the progress of the development project.

General Competence:

- The students have gained experience in technical writing.
- The students have gained experience working in groups
- The students have increased their understanding of professional practice in the field of applied computer science.

Topic(s):

- Tools and methodologies for developing "state-of-the-art" computer applications
- Tools and methodologies for managing development work
- Tools and strategies for software and system testing
- Analysing and reflecting on group work and group performance
- Writing technical reports

Teaching Methods:

Group works

Net Support Learning

Project work

Reflection

Meeting(s)/Seminar(s)

Tutoring

Teaching Methods (additional text):

The projects will be organised in groups of three to five students. Project groups may be distributed to allow distant students to participate in the group work.

Recordings from the seminars will be made available on the Internet."

Form(s) of Assessment:

Oral exam, individually

Evaluation of Project(s)

Form(s) of Assessment (additional text):

The assessment will be based on:

- A group report shared by all group members documenting the results of the work and reflecting on the group's work and contributions
- An individual report written by each student documenting the student's own experiences and reflections
- An individual, oral exam

All parts must be past individually.

Grading Scale:

Pass/Failure

External/internal examiner:

At least two internal examiners. External examiner will be involved in the examination at least every fifth year - next time no later than 2020.

Re-sit examination:

None of the reports may be reworked and resubmitted on failure.

Tillatte hjelpemidler:

Coursework Requirements:

Students should participate in the seminars by presenting project status and sharing their experiences/reflections on the project work. Students who cannot participate physically, need to submit written or recorded contributions in advance.

Academic responsibility:

Faculty of Computer Science and Media Technology

Course responsibility:

Høgskolelektor Terje Krogstad

Teaching Materials:

Internet resources will be presented at the beginning of the course.

Replacement course for:

IMT4003 Applied Computer Science Project

Additional information:

The course will run for the first time in 2016.

Publish:

Yes