CM2033 Project in Data-driven Health, advanced course 7.5 credits

Projektkurs inom datadriven hälsa, avancerad kurs

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

The course plan with diary no. C-2024-1634 applies from HT 2025 according to faculty board decision: C-2024-0635. Decision date: 2024-10-02

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Technology and Health

Specific prerequisites

English 6

Knowledge of programming, 6 hp

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

In this course the student will the student develop a larger program where health data is processed, analyzed and critically revied. The goal is to have relevant projects in the area that will give the student knowledge about working with health data.

After passing the course the students will have

- Experience in implementing, testing and analyzing a larger program that process health data.

- Knowledge of how to work systematically in a group to solve a problem.

- Know how to review and critically analyze methods and algorithms.

- Apply knowledge within the technical area to use suitable methods, models, analyze results and consider alternatives.

The student will also, together with the group, produce project documentation with a problem definition, description of method and analyze the result based on the goals.

Course contents

- Project models

- Developing larger programs in data driven health

- Documentation of code, product and scientific documentation

Examination

• PRO1 - Project, 7.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.