



HL102X Degree Project in Medical Engineering, First Cycle 15.0 credits

Examensarbete inom medicinsk teknik, grundnivå

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

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

Establishment

Course syllabus for HL102X valid from Autumn 2010

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Language of instruction

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

Intended learning outcomes

After completing the course students will be able to:

1. Apply relevant knowledge and skills acquired in one of its areas of application, by independently reviewing and discussing issues and solving major problems at the first level within this application area.
2. Apply international and national regulations, where necessary, and show awareness of social and ethical aspects, including economically, socially and ecologically sustainable development.
3. Reflect on and critically review their own and others' scientific achievements.
4. Documenting and oral and written presentation of their work with respect to structure, formality and language management.
5. Identify the need for further knowledge and take responsibility for their own acquiring of knowledge.
6. Planning and independently perform basic sub-projects, which also requires interaction with others to achieve a coordinated objective

Course contents

- Seminar series treating information retrieval as well as the creation and review of oral and written presentation of technical information.
- A supervised thesis work regarding a clinical problem with economic, technological and medical aspects.
- Oral and written communication, and evaluation and critical review of own and others' results in the same context.

Specific prerequisites

Completed courses required by the program

Course literature

Compendium that summarizes the seminar series and information about the project

Examination

- XUPP - Examination Question, 15.0 credits, grading scale: A, B, C, D, E, FX, 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.

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.