



**Karolinska
Institutet**

Course syllabus for

Degree Project in Health Informatics, 30 credits

Examensarbete i hälsoinformatik, 30 hp

This course syllabus is valid from spring 2018.

Please note that the course syllabus is available in the following versions:

Spring2014 , Spring2016 , Spring2018 , Spring2021

Course code	5HI014
Course name	Degree Project in Health Informatics
Credits	30 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Health Informatics
Level	AV - Second cycle
Grading scale	Excellent, Very good, Good, Satisfactory, Sufficient, Fail, Fail
Department	Department of Learning, Informatics, Management and Ethics
Decided by	Programme Committee 5
Decision date	2013-09-23
Revised by	Education committee LIME
Last revision	2017-10-25
Course syllabus valid from	Spring 2018

Specific entry requirements

Approved course in scientific research methods at advanced level.

All courses from year 1 and at least 10 credits from courses in term 3 at the Master's programme in health informatics.

Objectives

The course aims to enable students to, under supervision and via independent work, plan and carry out a research project within the health informatics field.

Knowledge and understanding

The student shall be able to demonstrate:

- an understanding whether a research question falls within the boundaries of health informatics, and whether it is specific and appropriately delimited, and
- acquire and critically review relevant scientific literature in support of broadening and deepening his or her subject specific and methodological knowledge within health informatics.

Skills

The student shall be able to demonstrate an ability to:

- critically and systematically integrate knowledge acquired during the programme,
- individually plan, design and carry out a research project within specified time limits,
- clearly formulate scientific research questions, motivate choice of scientific method as well as present and discuss results, orally and in writing, in a scientific way,
- critically draw conclusions and reflect on the meaning of obtained empirical results and identify the need for further knowledge,
- critically and objectively assess others' scientific work and be able to give relevant feedback, orally and in written, and
- reflect upon the ethical concerns of the project, as well as the project's impact on society.

Attitudes

The student shall be able to:

- take responsibility for one's own knowledge development, and
- demonstrate an awareness and ability to take relevant social and ethical aspects into account throughout the research process as well as with possible usage of research results.

Content

The degree project is an individual project addressing a relevant scientific problem in health informatics. The project is documented in a scientific report – the degree thesis.

Teaching methods

Independent, individual work under supervision plus participation in seminars. Studies of scientific literature according to the supervisor's recommendation and the student's own assessment.

Examination

The examination consists of

- a written thesis,
- oral presentation at the examination seminar,
- oral opposition at the examination seminar, and
- a written opposition report.

The degree thesis is assessed with A-F.

Compulsory participation

The student must hand in a written project plan and progress report and actively participate in the review and discussion of other students project plans and progress reports as well as the examination seminar. The course leader assesses if and, in that case, how absence can be compensated. Before the student has participated in all compulsory parts or compensated absence in accordance with the course director's instructions, the student's results for the course will not be registered in LADOK.

Limitation of number of examination occasions

The student has the right to be examined six times. If the student has not passed the course after four examinations he/she is encouraged to visit the study counsellor.

Transitional provisions

Examination will be provided during a time of two years after a possible cancellation of the course.

Examination can take

place according to an earlier literature list during a time of one year after the date when a major renewal of the literature.

Other directives

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education.

The course language is English.

Literature and other teaching aids

Adequate individual reference literature is chosen in consultation with the supervisor