



**Karolinska  
Institutet**

Course syllabus for

# **Health informatics - needs, objectives and limitations, 5 credits**

Hälsoinformatik - behov, mål och begränsningar, 5 hp

This course syllabus is valid from autumn 2015.

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

[Autumn2012](#) , [Autumn2015](#) , [Autumn2020](#) , [Autumn2024](#)

Course code	5HI000
Course name	Health informatics - needs, objectives and limitations
Credits	5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Health Informatics
Level	G2 - First cycle 2
Grading scale	Excellent, Very good, Good, Satisfactory, Sufficient, Fail, Fail
Department	Department of Learning, Informatics, Management and Ethics
Decided by	Programnämnd 5
Decision date	2012-03-29
Revised by	Programme Committee 5
Last revision	2015-03-20
Course syllabus valid from	Autumn 2015

## **Specific entry requirements**

A Bachelor's degree or a professional degree equivalent to a Swedish Bachelor's degree of at least 180 credits in health care, biomedicine, medical technology, computer and systems sciences, informatics or the equivalent. Knowledge of the English language equivalent to English B at Swedish upper secondary school.

## **Objectives**

On completion of the course the student should be able to:

Knowledge and understanding

- describe the subject of health informatics, both as an academic discipline and its practical application in health care as well as its history and development,
- illustrate different health informatics applications within care, nursing and research,
- describe the role that health informatics plays in today's health care.

Skills and ability

- work in an interdisciplinary collaboration and in international/multi-disciplinary constellations.

Assessment ability and attitudes

- analyse and assess the need of information and advanced knowledge within care, nursing and research,
- develop and explain an international perspective for health informatics as a discipline.

## Content

The course describes the subject health informatics and its main aims and challenges – at present and in the future. The course gives an overview of different professional roles that a health informatician may have partly depending on work areas in clinical medicine, technical development, or research. In a project work, the students should develop an international perspective on the subject and reflect on their career possibilities.

## Teaching methods

Lectures, demonstrations, group work and seminars (international/interdisciplinary work groups identify current international/regional/local health informatics projects and professional organisations in the field as well as career possibilities).

## Examination

Oral presentation (Fail/Pass)

Written assignment (A-F)

The final grade on the course is based on the written assignment.

Compulsory participation

Participation in the course registration and the end-seminar is compulsory. The course director 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/respective part will not be registered in LADOK.

Limitation of number of occasions to write the exam

The student has the right to write the exam six times. If the student has not passed the exam after four participations he/she is encouraged to visit the study counsellor.

The number of times that the student has participated in one and the same examination is regarded as an examination session. Submission of a blank examination is regarded as an examination. An examination for which the student registered but not participated in will not be counted as an examination.

## 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 list has been made.

## Other directives

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

The course is given in English.

## Literature and other teaching aids

Course provides all teaching material