



**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 2012.

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

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

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|----------------------------|--|
| 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 |
| Course syllabus valid from | Autumn 2012 |

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 play 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 international perspective for health informatics as a discipline.

Content

The course describes the subject health informatics and its main aims and challenges – present-day and future. The course gives an overview of different professional roles that a health informatician may have partly depending on area 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 identifies current international/regional/local health informatics projects and professional organisations in the field and the 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 advisor.

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

After each course, there will be at least 6 occasions for examination within a 2-year period after the end of the course.

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

Coiera, Enrico

Guide to health informatics

2. ed. : London : Arnold, 2003 - xxvii, 440 s.

ISBN:0-340-76425-2 (hft.) LIBRIS-ID:4853537

[Library search](#)