eHealth Project

Programme course

12 credits
E-hälsa: projekt
TBMI28
Valid from: 2020 Spring semester

Determined by
Board of Studies for Computer Science and Media Technology

Date determined
2019-09-23
Main field of study

Information Technology, Engineering Biology, Computer Science and Engineering, Computer Science, Biomedical Engineering

Course level

Second cycle

Advancement level

A1X

Course offered for

- Engineering Biology, M Sc in Engineering
- Computer Science and Engineering, M Sc in Engineering
- Information Technology, M Sc in Engineering
- Biomedical Engineering, M Sc in Engineering

Intended learning outcomes

Knowledge and understanding

Upon completion of the course, the student should be able to:

- Acquire knowledge in other areas related to an eHealth project
- Apply existing and deepened knowledge in eHealth to a relevant question

Skills and abilities

Upon completion of the course, the student should be able to:

- Plan and interprofessionally perform a multidisciplinary project in eHealth with relevance to health and medical care
- Document and continuously evaluate the work process during the project
- Demonstrate, discuss and communicate project results to different stakeholders as well as users of eHealth systems

Evaluation ability and approach
Upon completion of the course, the student should be able to:

- Identify your own need for new knowledge in relation to an eHealth project
- Reflect on professional and interprofessional skills in relation to developing and managing eHealth projects
- Evaluate group processes, group dynamics, process leadership and learning in collaboration with other professions
- Critically review other eHealth projects

Course content

The overall purpose of the course is to apply the student's ability to work in projects and thereby deepen their knowledge within eHealth based on its interdisciplinary nature. Because the course is largely interrelated between faculties (medical faculty and technical faculty), it provides the opportunities for interprofessional learning. The projects involve the development of technical products or services and are linked to research or companies active in eHealth. The course content includes e.g. the following:

- Teaching and working methods in this course are project work in groups according to a project model, lectures and seminars.
- Project models
- Universal design (design for everyone)
- Benefits of eHealth in healthcare and care
- User involvement
- Sustainable development
- Ethical perspectives
- Targeted communication
- Innovation, business and entrepreneurship

Examination

PRAI Project work U, G 12 credits

The e-health project is examined in three parts: written individual documentation, oral presentation, and project documents. We put special emphasis on the course participants actively working for the group to work according to the intentions of the project model.

Grades are given as ‘Fail’ or ‘Pass’.

Grades

Two-grade scale, U, G

Department
Institutionen för medicinsk teknik

**Director of Studies or equivalent**

Marcus Larsson

**Examiner**

Elin Nyman

**Education components**

Preliminary scheduled hours: 0 h
Recommended self-study hours: 320 h

**Course literature**

Other