



INSTITUTE OF MEDICINE

MED998 Development work with project management in healthcare, 15 credits

Utvecklingsarbete med projektledning inom hälso- och sjukvård, 15 högskolepoäng
Second Cycle

Confirmation

This course syllabus was confirmed by Institute of Medicine on 2017-01-31 and was last revised on 2019-06-24 to be valid from 2019-06-24, autumn semester of 2019.

Field of education: Medicine 100%

Department: Institute of Medicine

Position in the educational system

This is a elective course.

Main field of studies

Business Creation and Entrepreneurship
in Biomedicine

Specialization

A1N, Second cycle, has only first-cycle
course/s as entry requirements

Entry requirements

For admission to the course, a bachelor's degree in health science related subject of at least 180 higher education credits is required or equivalent, and English 6 / English B or equivalent.

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding

Sub-course 1 Development work, 7.5 higher education credits

- Identify and describe distinctive features of a specific innovation process.
- Describe how the value of an innovation in healthcare is affected depending on how, where and by whom it is used.
- Account for economic and sustainability aspects of innovation.

Sub-course 2 Project management, 7.5 higher education credits

- Explain the challenges of the project work and its characteristic features.
- Describe challenges with project management in relation to line management and clients.
- Analyze and discuss how relationships between client and project organization can affect results and resources.
- Explain how employees can be involved and create a driving force towards goals and visions.

Competence and skills

Sub-course 1 Development work, 7.5 higher education credits

- Identify and analyze potential problem formulations/perspectives through interacting with healthcare professionals, researchers and/or experts through a specific innovation process.
- Critically process and produce value visions based on utilization in relation to needs (from health care) and thereby evaluate the potential of innovations at an early stage.

Sub-course 2 Project management, 7.5 higher education credits

- Critically apply models in project management to control and manage in the role of project manager.
- Practically develop projects and project plans using various project tools and to communicate these to different target groups.
- Analyze and derive ownership rights in projects.

Judgement and approach

Sub-course 1 Development work, 7.5 higher education credits

- Value different problem perspectives and ideas within a specific innovation process.
- Make ethically responsible choices when packaging and visualizing intellectual assets in the form of physical, virtual or intellectual products and services.

Sub-course 2 Project management, 7.5 higher education credits

- Evaluate different forms of communication as a means of control.
- Critically evaluate proposals for solving project management related problems and reflect on various models and tools shortcomings and advantages.

Course content

The course is divided into the two sub-courses development work and project management according to following:

Sub-courses

1. Development work (*Utvecklingsarbete*), 7.5 credits

Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

The sub-course is structured around applied projects and seminars that will provide the student with the prerequisites needed to learn the skills and tools necessary for practical development work in early innovation projects. The course should develop the student's knowledge in design of solutions, evaluation and packaging of early innovations. The focus is on identification and design of needs-based innovations in health and medical care.

2. Project management (*Projektledning*), 7.5 credits

Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

Understanding, working in and leading projects is an increasingly common task and the conditions are different the traditionally led organization. The course should therefore establish one general approach to project management, convey knowledge of basic working methods in projects of different kinds and giving an understanding of the different projects living conditions that affect the content and activities of the project.

The course also focuses on the project's complex strategic function as a collaboration platform and as a management function. An important starting point is that the project organization is temporary and dynamic. Additionally, if the clients come from different areas authorities' perspective, corporate cultures and other clients, the role of the project manager is further multifaceted.

Form of teaching

The course is divided into the two sub-courses development work and project management according to following:

Sub-course 1 Development work, 7.5 higher education credits

The teaching is based on lectures in parallel with case studies based on identified needs in health care. Students use entrepreneurial approach and scientific models for observing, mapping and analyzing evaluation and evaluation development work for

each application project.

Sub-course 2 Project Management 7.5 credits

The teaching is based on lectures in parallel with case studies with identified needs in health care. Students use entrepreneurial approach and scientific models for observing, mapping and analyzing evaluation and evaluation development work for each application project.

Language of instruction: English

Sub-course 2 Project management, 7.5 higher education credits

Assessment

The course is divided into the two sub-courses development work and project management according to following:

Sub-course 1 Development work, 7.5 higher education credits

The student is examined through a written individual assignment. For an approved course, participation in mandatory parts is required, these are group work and 3 seminars which are further described in the course guide

Sub-course 2 Project management, 7.5 higher education credits

The student is examined through a written individual assignment in the form of one project plan. For approved courses, participation in mandatory parts is required, these are 3 specific seminars which are further described in the course guide.

Absence from a compulsory part can be compensated by an alternative task according to instructions from the course coordinator.

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student shall normally be guaranteed at least three examination occasions (including the ordinary examination) during a period of at least one year from the last time the course was given.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U). For the grade Pass (G) on the entire course, the grade Pass is required for the two individual written assignments and the grade Pass for other examinations and compulsory parts.

For the grade Pass with Distinction (VG) on the entire course, the grade Pass with Distinction is required for the two individual written assignments and the grade Pass for other examinations and compulsory parts.

Course evaluation

Course evaluation is done in writing through questionnaire. The course manager compiles the results of the course evaluation and gives suggestions for the development of the course. Analysis and suggestions are feed back to the students.

The results of and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.