Faculty of Medicine

MEVM09, Medical Science: Master Thesis in Medical Science, 30 credits

Medicinsk vetenskap: Examensarbete i medicinsk vetenskap, 30 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Master's Programmes Board on 2020-12-01 to be valid from 2020-12-08, autumn semester 2021.

General Information

The course is compulsory in the Master's (120 credits) programme in medical science, MAMMV, and be given during the semesters 3 and 4.

Language of instruction: English

Main field of studies	*Depth of study relative to the degree requirements*
Reproductive, Perinatal and Sexual Health	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)
Occupational Therapy	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)
Radiography	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)
Speech and Language Pathology	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)
Physiotherapy	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)
Audiology	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Nursing

A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Learning outcomes

Knowledge and understanding

On completion of the course, the students shall demonstrate an independent ability to

- give an account of own degree project and and degree project plan in the main field of study
- discuss and explain scientific methods of relevance for the subject for the degree project and the own main field of study

Competence and skills

On completion of the course, the students shall be able to

- identify, formulate and analyse scientific problems in the own main field of study and in health science
- choose, apply and argue for scientifically relevant methods for data collection and data analysis
- search, assess critically and evaluate research in the own main field of study and in health science
- apply research-ethics principles and guidelines in the own degree project
- complete and present the own degree project oral and written

Judgement and approach

On completion of the course, the students shall be able to

- identify, apply and discuss research-ethical considerations in relation to the own degree project and in health science
- discuss the possibilities and limitations of the science, its role in society and the responsibility of people for how it is used
- discuss the own degree project in relation to Agenda 2030 and the UN Sustainable Development Goals, and in relation to current legislation and guidelines
- identify and reflect on the own need of additional knowledge in the own main field of study

Course content

Within the scope of the course, a degree project in the own main field of study should be carried out. In the course is included to establish a project plan including a detailed time plan for the implementation of the degree project, to carry out data collection and data analysis and compile the results in a report in the format of the scientific article. Oral and written presentation and discussion of the own work are included, as well as oral critical review on other students' project plans and degree projects. The course contains training in scientific writing including popular communication, literature search and application of research-ethical principles. The course also includes reflections over the own need of knowledge in the main field of

study and reflections over the role of the research in society. Furthermore, the course contains a reflection over the degree project in relation to Agenda 2030 and the UN Sustainable Development Goals

Course design

A degree project in the own main field of study is carried out under supervision. A detailed project plan including time plan is assessed at a seminar with student-opponents and teacher. The student carries out data collection, data analysis and report writing according to time plan. The report is written in the format of the scientific article including a popular summary. The completed degree project is presented at a seminar with student-opponents and teacher The course is completed with that the student makes a written reflection over the own need of additional knowledge in the main field of study and over the role of the science in society.

The course is carried out as a combination of seminars and independent studies, with some seminar days in Lund The teaching is based on a problem-oriented working method with the student's active knowledge acquisition, critical thinking and problem-solving ability in focus. The working methods are own work with planning, data collection, data analysis, scientific writing and active participation in seminars and written reflection.

Assessment

The degree project is designed as an empirical study, literature study, metaanalysis or a metasynthesis. The work is assessed as an English-speaking manuscript in the format of the scientific article.

The course is assessed through the following test parts:

Project plan 6.5 credits: Oral presentation and defence of own plan for the degree project at seminar. Participation in a course seminar for discussion of literature and project plans.

Critical review on project plan 0.5 credits: Oral critical review on other student's project plan at seminar.

Extra oral review on project plan 0.5 credits: Extraopponent on other student's project plan.

Scientific report 20 credits: Written report. Oral presentation and discussion of the degree project at seminar. Participation in a course seminar for discussion of literature and scientific report.

Critical review on independent project/degree project 1 credit: Oral critical review on other student's independent work/degree project at seminar.

Extra oral review 0.5 credits: Extra oral review on other student's independent work/degree project.

Course portfolio 1 credit: Written reflection over the own need of additional knowledge in the main field of study and a reflection over the possibilities and limitations of the science, its role in society and the responsibility of people for how it is used. Reflection over the own degree project in relation to Agenda 2030, the UN Sustainable development goals is included.

If there are special reasons, other forms of examination may apply.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.
For a grade of Pass, the student must have been awarded this grade for all assessed components. For Pass with distinction in the whole course, the grade Pass with distinction on the test part Scientific report 20 credits is also required .

Entry requirements

Entry requirements are qualification from occupational therapist, audiologist, speech therapist, physiotherapist/physiotherapist, nursing - respective radiology nursing equivalent to a Degree of Bachelor (180 credits) or the equivalent skills in medical science. Proficiency in English equivalent to a Pass in English 6/English B from Swedish upper secondary school or the equivalent.

In addition to these requirements the student should have gone through at least 45 credits courses in the Master's (120 credits) programme in medical science with approved result, the including MEVN44 Medical Science, MEVN39 Medical Science: Qualitative research methods or MEVN28 Medical Science: Biostatistics I.

Subcourses in MEVM09, Medical Science: Master Thesis in Medical Science

Applies from H21

2101 Project plan, 6,5 hp
Grading scale: Fail, Pass
2102 Critical review on project plan, 0,5 hp
Grading scale: Fail, Pass
2103 Extra oral review on project plan, 0,5 hp
Grading scale: Fail, Pass
2104 Scientific report, 20,0 hp
Grading scale: Fail, Pass, Pass with distinction
2105 Critical review on independent project/degree project, 1,0 hp
Grading scale: Fail, Pass
2106 Extra oral review, 0,5 hp
Grading scale: Fail, Pass
2107 Course portfolio, 1,0 hp
Grading scale: Fail, Pass