

MEVM07, Master Thesis in Medical Sciences, 30 credits

Medicinsk vetenskap: Examensarbete, 30 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Master's Programmes Board on 2018-01-23 and was last revised on 2019-02-21. The revised syllabus applies from 2019-02-21, spring semester 2019.

General Information

The course is included in the Master of Medical Science (120 credits) programme.

Language of instruction: English

Main field of studies

Depth of study relative to the degree requirements

Nursing

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)

Audiology

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)

Radiography

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

Reproductive, Perinatal and Sexual Health

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

- use a scientific approach to account for their own project planning and degree project in the main field of study, and review the project plans and degree projects of fellow students
- systematically discuss and explain scientific theories, models and methods of relevance to the topic of the degree project and their own main field of study, and argue for the choice of these theories, models and methods

Competence and skills

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

- use a scientific approach to identify, formulate, analyse and assess subject-specific issues
- systematically seek, critically review and assess research both in their own main field of study and in other health sciences
- apply principles and guidelines of research ethics to their own degree project
- plan and complete a project plan within predetermined time frames and based on a scientific approach
- within predetermined time frames and based on a scientific approach, conduct and complete a degree project in the form of an article manuscript in English which contributes to knowledge in the main field of study
- communicate their own and others' research in speech and writing at seminars
- choose and apply methods of relevance to their own degree project

Judgement and approach

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

- identify, apply and discuss considerations of research ethics with regard to their own and their fellow students' issues and methods of measurement
- demonstrate insights into and discuss the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used
- demonstrate the ability to identify their own need of further knowledge in the main field of study

Course content

The course comprises planning and execution of an individual degree project. Furthermore, it includes course seminars, presentation and defence of an individual project plan and completed degree project, and critical review of the project plans and completed degree projects of fellow students. Ethical aspects of research and development work in health science are also included.

Course design

The course is delivered as a combination of seminars and independent studies with occasional seminar days in Lund. The teaching is based on a problem-oriented approach focusing on the student's active search for knowledge, critical thinking and problem-solving ability. The methods consist of individual data collection, supervision, academic writing and active participation in seminars.

Assessment

The degree project is to be designed as an empirical study, a systematic literature survey, a meta-analysis or a meta-synthesis. It is assessed on the basis of a manuscript in English in the form of a scientific article. The thesis can also be written in the form of a study protocol, given that a statistical data analysis is performed, for example a power calculation, and that the discussion highlights strengths and limitations with the selected method in relation to previous research.

The assessment is based on four components which must be taken in the order of 1-4:

Component 1, project plan assessment 7.5 credits

- Oral presentation and defence at a seminar of the student's plan for the degree project
- Oral critical review at a seminar of a fellow student's plan for the degree project
- Attendance at one more project plan seminar
- Participation in a course seminar for the discussion of literature and degree projects

Component 2, Master's thesis 7.5 credits

- Oral supplementary review at a project plan seminar
- Participation in a course seminar for discussion of literature and degree projects
- Attendance at at least two additional project plan or degree project seminars

Component 3, Master's thesis 7.5 credits

- Oral supplementary review of a completed degree project
- Participation in a course seminar for discussion of literature and degree projects
- Attendance at at least two additional project plan or degree project seminars

Component 4, Master's thesis defence 7.5 credits

- Oral presentation and defence of the student's own degree project
- Oral critical review of a fellow student's degree project
- Participation in a course seminar for discussion of literature and degree projects

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.

Entry requirements

To be admitted to the course, students must have a degree in occupational therapy, audiology, physiotherapy, language and speech therapy, radiology nursing or nursing equivalent to a Bachelor's degree (180 credits, of which 90 credits in the main subject). A course in scientific design, MEVN26 or the equivalent, must be passed at the latest by the date for submission of the project plan.

Further information

The course is intended for students on the Master of Medical Science (120 credits) programme with or without a previous second-cycle degree project in the main field of study.

Subcourses in MEVM07, Master Thesis in Medical Sciences

Applies from H18

- 1801 Project plan assessment, 7,5 hp
Grading scale: Fail, Pass
- 1802 Master's thesis, 7,5 hp
Grading scale: Fail, Pass
- 1803 Master's thesis, 7,5 hp
Grading scale: Fail, Pass
- 1804 Master's thesis defence, 7,5 hp
Grading scale: Fail, Pass