Details of approval

The syllabus was approved by The Master's Programmes Board on 2018-10-23 to be valid from 2018-10-24, autumn semester 2019.

General Information

The course is a compulsory course in the Master's (120 credits) programme in medical science.

Language of instruction: English

Main field of studies

| Logopedics | A1N, Second cycle, has only first-cycle course/s as entry requirements |
| Reproductive, Perinatal and Sexual Health | A1N, Second cycle, has only first-cycle course/s as entry requirements |
| Physiotherapy | A1N, Second cycle, has only first-cycle course/s as entry requirements |
| Audiology | A1N, Second cycle, has only first-cycle course/s as entry requirements |
| Radiography | A1N, Second cycle, has only first-cycle course/s as entry requirements |
| Occupational Therapy | A1N, Second cycle, has only first-cycle course/s as entry requirements |
| Nursing | A1N, Second cycle, has only first-cycle course/s as entry requirements |

Depth of study relative to the degree requirements

Learning outcomes
Knowledge and understanding
On completion of the course, students shall be able to

- discuss and explain scientific methods and concepts from a health science perspective
- discuss choice of research questions and methods in health science research from a diversity perspective
- identify and discuss basic research-ethical considerations
- identify and explain principles and methodology for development of evidence-based health care.

Competence and skills
On completion of the course, students shall be able to

- adopt a scientific approach to identify, formulate, analyse and reflect on health sciences issues
- systematically search for, critically assess and interpret scientific literature as a basis for an individual assignment
- select, discuss and argue for choice of design and method in relation to a research question they have defined

Judgement and approach
On completion of the course, students shall be able to

- apply basic research-ethical considerations in relation to a research question they have defined

Course content
- Quantitative and qualitative scientific design, method and concepts
- Evidence-based healthcare
- Research ethics
- Diversity in health science research

Course design
The course is conducted partly as online studies, with teaching and seminar days in Lund. The teaching adopts a problem-based approach using the students' current knowledge, skills and experiences to practise active searching for knowledge, critical thinking and problem-solving. Working methods consist of independent work supplemented by lectures, seminars and group discussions.

Assessment

This is a translation of the course syllabus approved in Swedish
The course is assessed through three exam components:

Basic quantitative and qualitative method (2 credits): Basic aspects of qualitative and quantitative design, in which students are to account for and argue in favour of methodological positions and interpretations in relation to a defined research question. Written assignments.

Course portfolio (2 credits): Active participation in all seminars and discussions. Written assignments and peer review of fellow students' assignments.

Project description (3.5 credits): Written assignment in the form of a project description containing a defined research question with a proposal, description and arguments relating to the chosen design and method. Students should also discuss the choice of research question as well as method and design based on both an ethics and diversity perspective.

Other forms of examination can be used if special circumstances 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.

Entry requirements
To be admitted to the course, students must have a Bachelor's degree or equivalent (180 credits, including 15 credits of project work) in Occupational Therapy, Audiology, Speech and Language Pathology, Physiotherapy, Nursing or Diagnostic Radiology Nursing, or the same level of qualification in Medical Science.
Subcourses in MEVN41, Scientific Research Design

Applies from H19

1901 Fundamental quantitative and qualitative scientific methods, 2,0 hp
   Grading scale: Fail, Pass
1902 Course portfolio, 2,0 hp
   Grading scale: Fail, Pass
1903 Project description, 3,5 hp
   Grading scale: Fail, Pass