



**LUND**  
UNIVERSITY

Faculty of Medicine

## MEVN44, Medical Science, 7.5 credits

*Medicinsk vetenskap, 7,5 högskolepoäng*

Second Cycle / Avancerad nivå

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### Details of approval

The syllabus was approved by The Master's Programmes Board on 2020-02-11 to be valid from 2020-02-12, autumn semester 2020.

### General Information

The course is a compulsory component of the Master of Medical Science (120 credits) programme.

*Language of instruction:* English

*Main field of studies*

*Depth of study relative to the degree requirements*

Speech and Language Pathology

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

Nursing

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

### Learning outcomes

## **Knowledge and understanding**

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

- account for basic principles of research ethics
- account for the meaning of the concept of academic integrity
- explain and discuss fundamental concepts of the theory of science
- account for the UN sustainable development goals and Agenda 2030

## **Competence and skills**

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

- discuss the UN sustainable development goals and Agenda 2030 in relation to research questions within the health sciences
- use a scientific approach to identify, formulate, analyse and reflect on research questions within the health sciences
- discuss and interpret scientific literature from a methodological perspective
- choose, discuss and argue for the choice of design and method in relation to an individually defined research question

## **Judgement and approach**

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

- adopt basic considerations of research ethics in relation to an individually defined research question
- reflect on the role as student in higher education
- reflect on the role of science in society

## **Course content**

The course is a basic introduction to academic writing and academic integrity, the theory of science, research design and research ethics. It also serves as an introduction to the UN sustainable development goals, Agenda 2030 and diversity in the subject matter of research and the role of science in society. The course includes work on an individual project description.

## **Course design**

It consists of teaching and seminar days on the study location. The teaching adopts a problem-based approach using the students' current knowledge, skills and experiences to practise active search for knowledge, critical thinking and problem-solving. Working methods consist of independent work supplemented by lectures, seminars and group discussions.

## **Assessment**

The course is assessed through three components:

*Academic Integrity and Research Ethics (1 credit):* Written exam.

*Project Description (4 credits) :* Written assignment in the form of a project description containing a defined research question with a proposal, description and a discussion of the chosen design and method. The student is also to discuss the choice of research question and method and design from a diversity perspective and in relation to the UN sustainable development goals and Agenda 2030.

*Course Portfolio (2.5 credits):* Written assignments and peer review of fellow students' assignments. Active participation in all seminars and discussions.

Other forms of examination can be used if there are special reasons.

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 a grade of Pass with Distinction on the whole course, the students must have been awarded the grade of Pass for Academic Integrity and Research Ethics, 1 credit, and Course Portfolio, 2.5 credits, and a grade of Pass with Distinction for Project Description 4 credits.

## **Entry requirements**

To be admitted to the course, students must, in addition to general entry requirements for higher education, have a Bachelor's degree in Occupational Therapy, Audiology, Physiotherapy, Language and Speech Pathology, Diagnostic Radiology Nursing or Nursing (180 credits), or a professional qualification in Occupational Therapy, Audiology, Physiotherapy, Language and Speech Pathology, Diagnostic Radiology Nursing or Nursing (180 credits). English proficiency equivalent to a Pass in English 6/English B from Swedish upper secondary school.

## Subcourses in MEVN44, Medical Science

Applies from H20

- 2001 Academic integrity and research ethics, 1,0 hp  
Grading scale: Fail, Pass
- 2002 Project description, 4,0 hp  
Grading scale: Fail, Pass, Pass with distinction
- 2003 Course portfolio, 2,5 hp  
Grading scale: Fail, Pass