



LUND
UNIVERSITY

Faculty of Medicine

MEVN49, Medical Science: Complex Interventions, 7.5 credits

Medicinsk vetenskap: Komplexa interventioner, 7,5 högskolepoäng
Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Master's Programmes Board on 2021-02-02 to be valid from 2021-02-03, autumn semester 2021.

General Information

The course is compulsory in the Master's (120 credits) programme in Medical Science MAMMV and is held during semester 3. The course is elective in the Master's (120 credits) programme in Medical Science, MAMEV.

Language of instruction: English

Main field of studies

Depth of study relative to the degree requirements

Physiotherapy

A1F, Second cycle, has second-cycle course/s as entry requirements

Nursing

A1F, Second cycle, has second-cycle course/s as entry requirements

Occupational Therapy

A1F, Second cycle, has second-cycle course/s as entry requirements

Audiology

A1F, Second cycle, has second-cycle course/s as entry requirements

Radiography

A1F, Second cycle, has second-cycle course/s as entry requirements

Reproductive, Perinatal and Sexual Health

A1F, Second cycle, has second-cycle course/s as entry requirements

Speech and Language Pathology

A1F, Second cycle, has second-cycle course/s as entry requirements

Learning outcomes

Knowledge and understanding

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

- describe the Medical Research Council (MRC) framework for complex interventions
- describe different types of study designs for process and result evaluation of complex interventions

Competence and skills

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

- analyse a pilot study and a feasibility study of a complex intervention based on the Medical Research Council (MRC) framework
- apply the MRC framework in the design of a complex intervention in their own main field of study
- argue for their own study design of their own complex intervention in relation to the MRC framework
- apply research ethics principles in the design of a complex intervention in their own main field of study
- relate their own complex intervention to the Global Sustainable Development Goals and Agenda 2030

Judgement and approach

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

- reflect on their own complex intervention in relation to the Global Sustainable Development Goals and Agenda 2030
- reflect on their own complex intervention from an individual, group and community perspective

Course content

The course contains an introduction to, and application of, the Medical Research Council (MRC) framework for development, realisation, evaluation and implementation of complex interventions. In the course, knowledge and understanding, and competence and skills, are applied in scientific design, systematic literature studies and quantitative, qualitative and mixed methods. Furthermore, the course includes health economics as well as theories and models for the implementation of research results in their own main field of study and in health science practice.

The course also includes reflections on, and application of, the UN's Global Sustainable Development Goals and Agenda 2030 in relation to complex interventions in their own main field of study and in health science.

Course design

The course is carried out both through web-based learning activities and learning activities that require attendance at the course location. The implementation of the course is based on the student's active search for knowledge, problem-solving, reflection and critical analysis. The working methods are independent project, group assignments, peer review, lectures and seminars.

Assessment

The assessment is based on three components:

Pilot study and feasibility study 2 credits: The assignment is carried out in groups and presented orally. The assignment includes an analysis of a pilot study and a feasibility study for a complex intervention based on the Medical Research Council (MRC) framework. A written individual summary is submitted.

Complex intervention 5.5 credits: Individual assignment. A complex intervention with relevance to their own main field of study is developed with regard to all parts of the MRC framework. The assignment should also contain a connection to Agenda 2030 and the UN's Global Sustainable Development Goals. Written and oral presentation. Peer review is included.

If there are special reasons, other forms of assessment 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 a grade of Pass with Distinction for the whole course, the grade of Pass with Distinction is required for the assessed component, Complex intervention 5.5 credits.

Entry requirements

At least 45 credits from courses in the Master's (120 credits) programme in Medical Science, including MEVN44 Medical Science, MEVN39 Medical Science: Qualitative Research Methods I and MEVN28 Medical Science: Biostatistics I.

Subcourses in MEVN49, Medical Science: Complex Interventions

Applies from H21

- 2101 Pilot study and feasibility study, 2,0 hp
Grading scale: Fail, Pass
- 2102 Complex intervention, 5,5 hp
Grading scale: Fail, Pass, Pass with distinction