Faculty of Medicine

MEVN48, Medical Science: Evidence Based Practice II, 7.5 credits

Medicinsk vetenskap: Evidensbaserad praktik II, 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 and held during semester 3 of the Master's (120 credits) programme in Medical Science, MAMMV. 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*
Speech and Language Pathology	A1F, Second cycle, has second-cycle course/s as entry requirements
Nursing	A1F, Second cycle, has second-cycle course/s as entry requirements
Physiotherapy	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
Occupational Therapy	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

Learning outcomes

The aim of the course is for the students to acquire knowledge and skills related to theories and methods for implementing scientific evidence in their own main field of study and in health science practice. Another aim of the course is for the students to acquire knowledge and skills in relation to the evaluation of evidence-based practice in their own main field of study and in health science.

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

- identify, explain and discuss theories and methods for the implementation of scientific evidence at individual, group, and population level in their own main field of study and in health science
- identify, explain and discuss qualitative and quantitative methods for the evaluation of evidence-based methods in relation to their own main field of study and in health science
- describe basic health economics theories, describe and explain how health economics analyses can be used in evidence-based healthcare.

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

- argue for the selection of models and methods to implement evidence-based practice in development work in their own main field of study and in health science
- argue for the selection of methods to evaluate evidence-based practice in development work in their own main field of study and in health science
- carry out and report basic health economics calculations of relevance to their own main field of study and health science

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

- evaluate ethical aspects in the implementation of scientific evidence in healthcare
- evaluate methods for, and results of, the evaluation of evidence-based methods and scientific results in healthcare
- reflect on the implementation of evidence-based methods and scientific results from a diversity, equality and care perspective in healthcare
- reflect on the responsibility and role of their own profession and society in relation to the implementation of evidence-based methods and scientific results in healthcare

Course content

The course contains an introduction to, and application of, theories and models for the implementation of scientific evidence in practice in their own main field of study and in health science, and theories and models concerning the evaluation of evidence-based practice. In the course, knowledge and skills are deepened and applied relating to quantitative and qualitative methods for evaluation, and health economics methods and models are introduced. In the course, knowledge and skills are also deepened and applied relating to the Cochrane Interactive Learning Tool and systematic literature surveys. The course also contains advanced ethical discussions in

relation to evidence-based practice and discussions relating to equal healthcare.

Course design

The course is interprofessional and mainly web-based, with occasional lectures and seminars at the 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, seminars, discussions, peer review and lectures.

Assessment

The assessment is based on three components:

Course portfolio (1 credit): Active participation in group exercises and discussions. Peer review Medical record club.

Health economics (2 credits): Written examination

Implementation and evaluation (4.5 credits): Several written assignments are included in the assessment as well as an oral presentation.

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 also required on the assessed component, Implementation and evaluation 4.5 credits.

Entry requirements

At least 45 credits from courses in the Master's (120 credits) programme in Medical Science, including MEVN44 Medical Science and MEVN45 Evidence-based Practice I.

Subcourses in MEVN48, Medical Science: Evidence Based Practice II

Applies from H21

2101   Course portfolio, 1,0 hp
        Grading scale: Fail, Pass
2102   Health economics, 2,0 hp
        Grading scale: Fail, Pass
2103   Implementation and evaluation, 4,5 hp
        Grading scale: Fail, Pass, Pass with distinction