



LUND
UNIVERSITY

Faculty of Medicine

MEVN52, Medical Sciences: E-Health and Digital Solutions, 7.5 credits

*Medicinsk vetenskap: eHälsa och digitala lösningar, 7,5
högskolepoäng*

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Master's Programmes Board on 2021-05-11 to be valid from 2021-05-25, spring semester 2022.

General Information

The course is compulsory in the Master's (120 credits) programme in medical science MAMMV and is given during semester 2. The course is elective in the Master's (120 credits) programme in Medical Science, MAMEV.

Language of instruction: English

<i>Main field of studies</i>	<i>Depth of study relative to the degree requirements</i>
Audiology	A1N, Second cycle, has only first-cycle course/s as entry 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
Radiography	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
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

Learning outcomes

Knowledge and understanding

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

- give an account of and justify how digital tools can be used to strengthen individuals' own resources to health

Competence and skills

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

- identify tools for e-health and justify how these can be applied in different spheres of activity and in relation to different issues relevant for the own main field of study,
- compare different methods and models for development and implementation of health-related digital interventions
- revise an evidence-based intervention to an e-health intervention or analyse an existing evidence-based e-health interventions with relevance for the own main field of study
- Discuss and argue for how an evidence-based intervention can be implemented in health care by applying models and methods for e-health.

Judgement and approach

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

- reflect on the responsibility and role of the own profession in the implementation of health-related interventions carried out with digital tools
- evaluate ethical challenges that can arise in relation to e-health and digital tools

Course content

The course brings up different definitions and models for e-health and how digital tools can be used to plan, carry out and evaluate e-health interventions on individual, group and population levels. The course also includes existing and potential fields of use for e-health and digital tools and the planning of an e-health intervention in one's own main field of study. The course also includes ethical aspects and challenges that arise when interventions based on digital tools are implemented. Relevant legislation is also included.

Course design

The course is implemented both through web-based learning activities (more than 50%) and learning activities requiring 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 study methods consist of independent study, group work, seminars and lectures. Activities requiring compulsory attendance are indicated in the course schedule.

Assessment

Models and methods for e-health 1.5 credits: The assignment should be based on respective main field of study. It should contain reports of definitions and models for e-health, a comparison of different methods for the implementation of e-health and a reflection of how different methods for e-health and digital tools can be used to strengthen individuals' own resources to independence and participation. Written assignment.

Evidence-based e-health 4 credits: The assignment should present a plan for how an intervention, relevant for respective main field of study, can be implemented as a digital (e-health -) intervention, or that the plan is based on an already existing digital intervention that is developed to an e-health intervention. In both cases, methods and models for e-health should be applied. Proposals for evaluation of interventions are to be included and ethical aspects considered. Oral presentation and written report.

Course portfolio 2 credits: Active participation in discussions and seminars, peer review and a reflection paper.

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 in the whole course, the grade Pass with distinction on the test parts is also required for Models and methods for e-health 1.5 credits and Evidence-based e-health 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, Speech and Language 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 MEVN52, Medical Sciences: E-Health and Digital Solutions

Applies from V22

- 2201 Models and methods for e-health, 1,5 hp
Grading scale: Fail, Pass, Pass with distinction
- 2202 Evidence-based e-health, 4,0 hp
Grading scale: Fail, Pass, Pass with distinction
- 2203 Course portfolio, 2,0 hp
Grading scale: Fail, Pass