Faculty of Medicine

LÄKB54, Bachelor Project in Medicine, 15 credits
Kandidatarbete i medicin, 15 högskolepoäng
First Cycle / Grundnivå

Details of approval

The syllabus was approved by The Medical Degree Programme Board on 2021-05-26 and was last revised on 2021-05-26. The revised syllabus applies from 2021-05-26, autumn semester 2021.

General Information

The course makes up the final half of semester 5 of the Master of Science programme in Medicine. It is compulsory.

Language of instruction: Swedish
The language of instruction is mainly Swedish, but English is used both in the literature and in the written papers.

Main field of studies	Depth of study relative to the degree requirements
Medicine	G2E, First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contains degree project for BA/BSc

Learning outcomes

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

- explain basic concepts and principles with regard to reference management and the structure of a scientific article
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- explain what a clinical trial is and account for the legislation and ordinances governing clinical trials
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- explain basic concepts and principles of qualitative methodology
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- explain basic concepts and principles with regard to copyright
-
- provide a specialised account of the current state of knowledge and of current research in a delimited area of the medical field
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- provide a specialised account of methods applicable in a delimited area of the medical field and for the potential and limitations of the methods concerned

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

- apply basic concepts and principles with regard to research design, statistics and epidemiology
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- apply appropriate search strategies when searching for published research
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- apply concepts, principles, legislation and ordinances with regard to research ethics
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- formulate a specific issue of relevance to the knowledge development in the main field of study based on the current state of knowledge
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- use a specific issue to independently seek, select and assess sources, and use information from the literature in a specialised project and in discussions with fellow students
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- write a project plan based on an appropriate research design and taking the issue and overall aim into account
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- execute a project based on a project plan, compile and analyse their results, and critically assess the significance and limitations of the results with regard to issue and method
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- describe research methods applicable in the area of specialisation, the potential and limitations of the methods, and explain the choice of methods of relevance to the specialised project
-
- write a research paper in Swedish or English, and a popular science summary of the paper in Swedish
-
- independently and orally account for and discuss their own specialised project
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- critically review the specialised projects of fellow students and provide constructive oral feedback

Judgement and approach

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

- make assessments informed by aspects of research ethics which are specifically relevant to their own specialised project
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- assess their own need of further knowledge and take responsibility for their knowledge development in the area of specialisation

Course content

A theoretical component provides fundamental knowledge of research. During project work, students are given the opportunity to broaden and specialise their knowledge in areas of their interest and, as a consequence, are trained in searching for, critically reviewing and compiling medical research information from different sources and, where relevant, through reviewing patient records and registers and/or conducting experiments. Prior to the start of the course, students are to formulate a research question based on a general aim and write a project plan starting from the issue. During the course, they are to execute an experimental or clinical project or a literature survey and present the results in the form of a research paper.

Course design

Teaching:

The theoretical component provides, by means of lectures, seminars and group exercises, basic knowledge of the writing of project plans, research ethics, research design, statistics, epidemiology, clinical trials, laws and ordinances, qualitative methodology, interview/questionnaire methodology, literature searches, academic writing and oral presentations, and peer review. All scheduled teaching, apart from lectures, is compulsory. The project component of the course consists of the execution of an independent research project under supervision. The project plan must be approved by the course director before the project may be commenced.

Assessment

Forms of assessment:

Written invigilated exam on research ethics, study design, epidemiology, statistics, qualitative methodology and interview/survey and copyright. The components of literature searching, scientific article and oral presentation are assessed as parts of the project. Written report in the form of a project plan and a research paper which is also to include an abstract in English and a popular science summary in Swedish. The paper is to be presented and defended orally, and the student is also to perform a

critical review of a fellow student's project.

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 passed courses (all assessed components) up to and including semester 3 of the Master of Science programme in Medicine and completed the courses of semester 4.

Subcourses in LÄKB54, Bachelor Project in Medicine

Applies from V22

2201   Project Plan, 1,5 hp
          Grading scale: Fail, Pass
2202   Thesis, 12,0 hp
          Grading scale: Fail, Pass
2203   Oral Presentation and Opposition, 1,5 hp
          Grading scale: Fail, Pass