



Faculty of Medicine

## LÄKM01, Degree Project 2 (Second Cycle), 30 credits

*Examensarbete 2 (Avancerad nivå), 30 högskolepoäng*

Second Cycle / Avancerad nivå

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### Details of approval

The syllabus was approved by Committee for Biomedical, Medical and Public Health Education on 2014-12-03 to be valid from 2014-12-03, spring semester 2015.

### General Information

The course makes up semester 10 of the Master of Science programme in Medicine and is compulsory.

*Language of instruction:* Swedish

Mainly Swedish, but the required reading, the written papers and the oral presentation are all in English.

*Main field of studies*

Medicine

*Depth of study relative to the degree requirements*

A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

### Learning outcomes

#### Knowledge and understanding

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

- provide a substantially specialised account of the current state of knowledge and current research within a delimited part of the medical field

- provide a substantially specialised account of the methods applicable to a delimited part of the medical field and for the potential and limitations of the methods

### **Competence and skills**

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

- independently formulate specific issues of relevance to the development of knowledge in the main field of study based on the current state of knowledge
- adopt systematic strategies to independently seek, select and assess sources, and use information from the literature to execute a degree project and engage in discussions with fellow students
- independently write a project plan including a study design appropriate to the degree project and based on the issue and general aim
- execute a project based on the project plan, collect data, analyse results and independently compile and critically assess the importance and limitations of the results based on the issue and method
- discuss research methods applicable to the area of specialisation, the potential and limitations of the methods, and argue for choice of methods of relevance to the degree project
- independently identify and pursue a discussion of principles of research ethics of specific relevance to their own degree project and those of fellow students
- identify the potential need of further knowledge within the area of specialisation
- plan and independently write an academic paper in English and a popular science summary of the paper in Swedish and English,
- independently provide an oral account and discussion in English of their degree project and the knowledge and arguments on which it is based in dialogue with both researchers and fellow students
- adopt a scientific approach to critically review the degree project of fellow students and provide constructive feedback in spoken and written English

### **Judgement and approach**

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

- independently make assessments informed by aspects of research ethics with specific relevance to their own degree project
- assess their need of knowledge and take responsibility for their development of knowledge in their area of specialisation

### **Course content**

The aim of the degree project is to provide students with the opportunity to broaden and specialise their knowledge in areas of their interest and, as a consequence, train them in seeking, 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 issue based on a general aim, and write a project plan based on the issue. In the course, the student is to execute an experimental or clinical project based on the issue, or a meta-analysis or systematic literature review in cases where a meta-analysis is not formally possible, and present the project in an academic paper.

## Course design

Execution of an individual (not group) project in the form of a supervised research study. The project plan must be approved by the course director before the project may be commenced. The project can be completed in Sweden or abroad. If the project is to be completed abroad or if the appropriate scientific expertise is unavailable at the place of research, a supervisor must also be appointed at the Lund University Faculty of Medicine.

## Assessment

Written report in the form of a project plan and an academic paper, which is also to include a summary (abstract) in English and popular science summary in Swedish and English. Project plan The paper is to be presented and defended orally and the student is also to critically review and discuss a fellow student's degree project at a seminar and actively participate in three further defence seminars. The paper is to be presented and defended orally in English and the student is also to critically review and discuss a fellow student's degree project.

Students who have failed examinations are entitled to re-take an exam four times. Further opportunities may be granted after a special application.

Assessed components:

Project plan 2 credits

Paper 25 credits

Oral presentation 2 credits

Critical review 1 credit

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

## Grades

Marking scale: Fail, Pass.

The grades awarded are Pass or Fail.

## **Entry requirements**

To be admitted to the course, students must have passed exams and course components up to and including semester 7 and completed semesters 8 and 9.

## Subcourses in LÄKM01, Degree Project 2 (Second Cycle)

### Applies from V15

- 1501 Project Plan, 2,0 hp  
Grading scale: Fail, Pass
- 1502 Thesis, 25,0 hp  
Grading scale: Fail, Pass
- 1503 Oral Presentation, 2,0 hp  
Grading scale: Fail, Pass
- 1504 Opposition, 1,0 hp  
Grading scale: Fail, Pass

### Applies from V12

- 1101 Examination, 30,0 hp  
Grading scale: Fail, Pass