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LUND UNIVERSITY
Faculty of Medicine
Biomedical, medical and public health training board (NBMFU)

Approved by NBMFU 19 November 2008
Amended by the programme director 20 May 2009
Valid from autumn term 2008

BIMM60 Master's (Two Years) Thesis in Biomedicine

30 higher education credits | Second cycle

General Information

Main field
Biomedicine

Subject
Biomedical subject area of choice

Type of course and its location in the education system
The course is mandatory for the degree of Master (Two Years) in Biomedicine

Language of instruction
English and Swedish

Learning Outcomes

On completion of the course, students shall
- be able to plan a biomedical project (formulate a problem, choose practical and/or statistical-theoretical methods and describe them in a project plan) in consultation with a supervisor
- be able to identify and apply appropriate measures with regard to ethical and/or safety problems relevant to the implementation of the project
- independently be able to record, process and compile results achieved
- be able to write a report in English with a format similar to that of a scientific publication
- be able to write a popular science summary that can be understood by a non-expert
- orally be able to explain the aim, background and methods of a project so that they can be understood by upper secondary-school students
- orally be able to present and discuss results obtained, with a starting point in the literature
- be able to critically assess and evaluate the importance and limitations of the results achieved, starting from the research question, the method selected and the processing method
- be able to justify the academic and/or medical value of the research, and provide an account of its use to society.

Course Content

Within this course, a project related to biomedical research is to be carried out experimentally and theoretically under the guidance of a supervisor. The project must have a clear and defined question.

Subjects examined

A pass on the course requires:
- an oral presentation, awarded a pass by an examiner
- a report, written in English in the format of a scientific paper and awarded a pass by an examiner
- a popular scientific summary, awarded a pass by an examiner
- critical review of a fellow student's project, awarded a pass by an examiner
- participation in compulsory components

A pass on the course is worth 30 higher education credits. All stages of the examination must be passed.

Instruction and Examination

The work is carried out under supervision at a university, company or similar operation run by local or central government, which conducts qualified biomedical research. A detailed project plan and schedule (according to a template) are to be submitted jointly by the student and supervisor, and must be approved by the course director before the work begins. The degree project does not just comprise laboratory work, but also includes preparation, literature study, result compilation, evaluation and report writing. The course also includes compulsory components on presentation techniques, ethics and teamwork/supervision. The supervisor will be appointed by the course director as responsible for the student's training during the work on the degree project. The supervisor's task is to ensure that the work carried out during the project complies with the project plan and schedule, i.e. that the work is moving towards its objectives, that sufficient time has been allocated for report writing and that the final report is clear in its format. During the course of the work, the student will participate in the seminars of the research team or operation.

The student must report the project in writing, as a scientific report and in the form of a popular science summary. The thesis is also to be reported orally at an essay seminar. Each student is examined individually by an examiner appointed beforehand. Students must also critically examine the thesis of another student. Students must also take part in compulsory components of the course.

Two occasions for examination are provided each term. Further occasions are planned according to a special schedule.

Grades

The grades awarded are Pass or Fail.

Admission Requirements

Passed courses worth 60 higher education credits on the Master's programme in Biomedicine and completed compulsory courses on term 3 of the Master's programme in Biomedicine.

Literature

Relevant scientific papers and textbooks in the subject field.

Further Information

The course is only offered to students who were admitted to the Master's programmes in Biomedicine in the autumn term of 2007 or later or to international students who wish to acquire a degree of Master in Biomedicine.