Faculty of Medicine

VMFB23, Biomedicine: Methodology project, First Cycle, 15 credits

Biomedicin: Metodologiprojekt på grundläggande nivå, 15 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus is an old version, approved by The Master's Programmes Board on 2018-09-18 and was valid from 2018-09-19 , autumn semester 2018.

General Information

Freestanding course for incoming exchange students.

Learning outcomes

Knowledge and understanding

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

- account for the scientific background of the research issue in question based on research literature
- explain the methods that were used in the project.

Competence and skills

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

- write a scientifically based project plan with the support of their supervisor regarding aim/issue and the choice of method
- document, compile and suggest an interpretation of the results they have obtained
- summarise their own results and present these both orally and in writing.

Judgement and approach

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

- reflect on the ethical and safety aspects of the implemented project
- reflect on their own progression and the supervisor's feedback during the project period.

Course content

The students are to conduct a 10-week experimental and/or theoretical project linked to biomedical research, supported by supervision. The project is to be executed in a research team that is linked to the Faculty of Medicine in Lund.

Course design

The project is to be executed at Lund University's Faculty of Medicine or an equivalent organisation within Region Skåne that conducts research and/or development work in biomedicine. The project work is supervised. The supervisor is to be employed at Lund University or Region Skåne and hold a PhD. The project is to be carried out on a full-time basis.

An application including a project plan, formulated by the student but with support from the supervisor, is to be approved by the course's examiner before the practical work can start. The project plan must demonstrate that ethical and safety aspects have been taken into consideration.

During the work, the supervisor is to give feedback on the student's progression in the project. Once a week, the student is to reflect on their own efforts and how they have utilised feedback received from the supervisor. The student is to meet the examiner on one occasion during the project for formative feedback on the lab journal, time planning and reflections.

In addition to laboratory work or equivalent activities, the project is to include literature searches and studies, documentation of methods and completed experiments in a lab journal, discussion and interpretation of data, and a summary of results prior to the oral presentation.

The course concludes with an oral presentation. In connection with the subsequent discussion, the student must be able to support their results and conclusions with original data recorded in a lab journal.

Assessment

The course is assessed through a combined assessment of the student's course portfolio. The portfolio includes the supervisor's feedback and the student's reflections on this, the student's lab journal and brief written and oral scholarly reports.

Other forms of assessment can be used, if there are special reasons for this.

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.

Grades

Marking scale: Fail, Pass.

Entry requirements

To be admitted to the course, students must have completed one year of studies in the Degree of Bachelor of Science programme in Biomedicine or an equivalent science programme.