Faculty of Medicine

VMFB24, Biomedicine: Methodology project, First Cycle, 15 credits

Biomedicin: Vetenskapligt projekt på grundläggande nivå, 15 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by The Master's Programmes Board on 2023-05-23. The syllabus comes into effect 2023-05-30 and is valid from the autumn semester 2023.

General information

Freestanding project course in Biomedicine.

Language of instruction: Swedish and English

Main field of study	*Specialisation*
Biomedicine	G2F, First cycle, has at least 60 credits in 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 the scientific background of the research issue in question based on research literature
- justify the methods that were used in the project

Competence and skills

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

- plan and implement a research project under supervision
- document, compile and propose an interpretation of their own results

- summarise their own results and present these both orally and in writing
- evaluate and discuss their own results in relation to the research field

Judgement and approach

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

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

Course content

Within the course, a 10-week project in biomedical research is to be implemented under supervision. The project is to be implemented in a research team that is linked to the Faculty of Medicine in Lund.

Course design

The project is to be implemented at Lund University's Faculty of Medicine or an equivalent organisation managed by Region Skåne that conducts biomedical research. The project is implemented under supervision. The supervisor is to be employed at Lund University or Region Skåne.

An application is made in the form of a contract established by the student with support from the supervisor. The contract is to contain a project plan that is to be approved by the course director before the practical work may be started. The project plan must state that ethical and safety aspects have been taken into consideration.

During the project work, the supervisor is to give feedback on the student's progression in the project. The student is expected to reflect on their own efforts and how they have utilised the feedback from the supervisor. At least once during the implementation of the project, the student is to check in with the course director for formative feedback on the progression of the project.

The project work includes, in addition to laboratory work, a literature search, documentation of methods and implemented experiments, discussion and interpretation of data, and compilation of results before the oral presentation and the brief written assignment.

The course concludes with an oral presentation and submission of an extended abstract.

Assessment

The course is assessed through a brief written assignment (extended abstract), an oral presentation and through planning and implementation of the project.

Written assignment: 5 credits
Oral presentation: 5 credits
Planning and implementation of the project: 5 credits

Other forms of examination may be used if there are special reasons.

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

Grading scale includes the grades: 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.

Further information

Replaces the course VMFB23.

The course cannot replace a regular degree project in Biomedicine.