Faculty of Medicine

VMFN98, Biomedicine: Methodology Project, Second Cycle, 30 credits

Biomedicin: Vetenskapligt projekt på avancerad nivå, 30 högskolepoäng

Second Cycle / Avancerad nivå

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 course aimed at incoming exchange students.

Language of instruction: English

Main field of study	*Specialisation*
Biomedicine	A1N, Second cycle, has only 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 a certain degree of supervision
- document, compile and interpret 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

The students are to implement a 20-week experiment-based project linked to biomedical research, 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 work is implemented under supervision in a research team at the Faculty of Medicine at Lund University or under the management of Region Skåne. The supervisor is to be employed at Lund University or Region Skåne. The project is to be implemented on a full-time basis.

In connection with the application, a contract is drawn up in consultation with the supervisor. This contract is to contain a project plan that is to be approved by the course director before the work may be started. The project plan is to 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 and the student is to reflect on their own efforts and how they have utilised feedback from the supervisor. At least twice 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.

In addition to laboratory work, the project work is to include a literature search and studies, documentation of methods and implemented experiments, discussion and interpretation of data, and a summary of results prior to the oral presentation and 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 with ethical reflection and justification of chosen references), 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: 20 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

Bachelor's degree in Biomedicine or equivalent knowledge from another science programme.

Further information

Replaces the course VMFB19.

The course cannot replace a regular degree project in Biomedicine.