



**LUND**  
UNIVERSITY

Faculty of Medicine

**VMFN51, Biomedicine: Internship, 15 credits**  
*Biomedicin: Verksamhetsförlagd utbildning, 15 högskolepoäng*  
Second Cycle / Avancerad nivå

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### Details of approval

The syllabus was approved by The Master's Programmes Board on 2023-03-14 to be valid from 2023-03-21, spring semester 2023.

### General Information

The course is an elective component of the Bachelor and Master (120 credits) of Medical Science programmes in Biomedicine.

*Language of instruction:* Swedish and English

*Main field of studies*

Biomedicine

*Depth of study relative to the degree requirements*

A1N, Second cycle, has only first-cycle course/s as entry requirements

### Learning outcomes

#### Knowledge and understanding

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

- give an account of the different parts in drug- or product development using the correct terminology,
- describe the requirements and skills that applied biomedical work places on the individual practitioner

#### Competence and skills

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

- interact and cooperate with other staff in the organisation and contribute to a good working environment
- document completed work according to the specific instructions given by the organisation and carry out a handover at the end of the clinical placement,
- extract and interpret information from an annual report, business plan and other

This is a translation of the course syllabus approved in Swedish

- documentation from the organisation,
- orally and in writing present and discuss biomedical research and development work at a life science organisation from discovery to completed product.

### **Judgement and approach**

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

- reflect on the role of the organisation in the drug development process, from discovery to completed product
- reflect on the business idea of the organisation and identify different types of funding of biomedical work in the private sector
- identify ethical problems within the field and engage in a discussion of these based on ethical principles and guidelines
- reflect on the corporate social responsibility of the organisation and how its operations contributes to a sustainable and better society from an environmental and global health perspective.

### **Course content**

The course is offered full-time or part-time and the student is to work at least 180 hours as an intern at an organisation within the life science industry and perform work duties clearly connected to biomedical research and development. The specific duties will be determined by the size, field and internal structure of the organisation. The student will, in addition to the workplace-based internship period, devote time to analysing completed project work and summarise this in a written report that is also to be presented orally at a seminar.

### **Course design**

The student is to individually contact an organisation within the life science industry and together with a supervisor appointed by the organisation write a study plan. The study plan is to describe the extent and planned duties of the internship and must be approved by the course director before the internship can be commenced. The student must have an appointed supervisor at the workplace. At the end of the internship, the supervisor is to submit a certificate describing the student's work during the course. The certificate is to confirm that the student has been active and present.

During the internship, the student is to participate actively, full-time or part-time, in the work at the organisation for at least 180 hours. The duties may, but do not need to, involve laboratory work, but they must be of relevance to the research and/or development of products or services at the organisation and have a clear connection to the subject of biomedicine. Furthermore, the student is to acquire knowledge about the organisation and its role in product development. Depending on the character of the organisation, this may include the ownership, structure, annual report or which parts of the drug development process are undertaken within the organisation, what different professions work on, or the long and short term strategies of the organisation for the projects in which the student is involved. The student is to present the knowledge and experiences acquired in a written and oral report at an open seminar with representatives from the organisation (if possible) and the examiner.

## Assessment

The assessment is based on two examination components: "completed internship" and "written and oral report".

A completed internship must amount to at least 180 hours of work at the organisation and must be certified in writing by the supervisor at the organisation. The certificate must clearly describe the scope and nature of the duties.

On completion of the the internship period, the student is report on the experiences and knowledge acquired in an oral and written presentation which is to be produced in accordance with specific instructions and will be assessed according to assessment criteria.

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.

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

## Grades

Marking scale: Fail, Pass.

## Entry requirements

To be able to be admitted to the course, the student should be registered on Bachelor or Master's (120 credits) programme in biomedicine at Lund University and have completed courses extensive at least 120 credits in the biomedical field.

## Subcourses in VMFN51, Biomedicine: Internship

Applies from V23

- 2301 Executed internship, 7,5 hp  
Grading scale: Fail, Pass
- 2302 Written and oral examination, 7,5 hp  
Grading scale: Fail, Pass