



Faculty of Medicine

VMFB18, Biomedicine: Internship, 15 credits

Biomedicin: Verksamhetsförlagd utbildning, 15 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by Committee for Biomedical, Medical and Public Health Education on 2015-12-02 to be valid from 2016-01-01, spring semester 2016.

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

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Learning outcomes

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Knowledge and understanding

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

- account for drug development and/or the different parts of product development using correct terminology
- account for the requirements and skills demanded of individual professionals by applied work in biomedicine

Competence and skills

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

- interact and cooperate with other staff in the organisation and contribute to a good working environment
- document completed work in accordance with the specific instructions of the organisation, and hand over their assignment at the end of the placement
- extract and interpret information from an annual report, business plan or other documentation available at 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 shall 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 product/service 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 160 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. In addition to the internship, the student is to participate in a compulsory seminar on drug development and entrepreneurship, analyse the placement and summarise it in a written report 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 160 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, but do not need to, cover the ownership, structure, annual report or part of the drug development process of the organisation, or what different professions work with, 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 to fellow students, representatives from the organisation (if possible) and the examiner.

In addition to the completed internship, the seminars on drug development and entrepreneurship and the oral and written report are compulsory components of the course.

Assessment

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

A completed internship must amount to at least 160 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. To pass the component, the student must also have participated in the compulsory seminars on drug development and entrepreneurship.

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 available on the course website.

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 admitted to the course, students must have at least 60 credits from a Bachelor of Medical Science programme in Biomedicine.

Subcourses in VMFB18, Biomedicine: Internship

Applies from V16

- 1501 Executed internship, 7,5 hp
Grading scale: Fail, Pass
- 1502 Written and oral examination, 7,5 hp
Grading scale: Fail, Pass