Innovation and Bioentrepreneurship, 3.0 credits

Innovation och bioentreprenörskap, 3.0 hp

Third-cycle education course

8FO0145

Department of Biomedical and Clinical Sciences

Valid from: Second half-year 2024

Approved by
The Research and PhD studies Committee

Approved
2023-11-27

Registration number
LiU-2023-00969

Entry requirements

Entry requirement for studies on third-cycle education courses

- second-cycle degree,
- 240 credits in required courses, including at least 60 second-cycle credits, or
- acquisition of equivalent knowledge in some other manner

Learning outcomes

By the end of the course the students will be able to:
Knowledge and understanding

- Account for the concepts of innovation, impact, and entrepreneurship, and the difference between them
- Explain innovation and its impact in society
- Explain the interaction between intellectual capital and life science organizations (companies)

Competence and skills

- Apply methods for evaluation and prediction of impact and innovation in a life science research project
- Apply methods creating a potential for self-employment and self-marketing

Judgement and approach

- Reflect on possible strategies for innovation and impact
- Reflect on the ethical and legal implications of patents
- Evaluate an innovation and impact based on the UN's global goals for sustainable development

Contents

This course introduces the basics of innovation and impact in life science. The course will also provide an overview of the life science market and business development opportunities in the life science industry.

- From research to innovation and impact
- Bioentrepreneurs' experiences and pitfalls within the Swedish landscape in life science.
- Start-up and exit strategies of a Life Science Company.
- Intellectual property rights + how to manage intangible assets (know how)
- Legal issues in Bio-entrepreneurship.

Educational methods

The teaching and working method in this course is Challenge-Based Learning (CBL).
Educational methods applied in this course are lectures, seminars, and group work.

Examination

The course is examined through a written assignment with an oral presentation and a critical review of other students' assignments and oral presentations. The examination elements are carried out in groups with individual assessment.
In addition, active participation in mandatory elements is required for passing the course. The mandatory elements are seminars and group work.
Revision of the written submission task is possible during a two-week period after the oral presentation.
Students who fail are offered one re-examination occasion in close connection to the course. After that participation in a coming course examination is offered. The re-examination should be equally comprehensive as the ordinary examination.
Change of examiner
Students who have failed the course or part of the course twice are entitled to request another examiner for the following examination occasion.

Grading

Two-grade scale

Course literature

A list of recommended literature will be provided by the course coordinator before the start of the course.

General information

The course is planned and carried out according to what is stated in this syllabus.
Course evaluation, analysis and suggestions for improvement should be fed back to the Research and PhD studies Committee (FUN) by the course coordinator.
If the course is withdrawn or is subject to major changes, examination according to this syllabus is normally offered at three occasions within/in close connection to the two following semesters.