Faculty of Medicine

BIMM03, Biomedicine: Innovation and Entrepreneurship, 7.5 credits

Biomedicin: Innovation och entreprenörskap, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Master's Programmes Board on 2021-03-16 to be valid from 2021-03-24, autumn semester 2021.

General Information

The course is compulsory in the Master's Programme in Biomedicine and is included in semester 3.

Language of instruction: English

Main field of studies	*Depth of study relative to the degree requirements*
Biomedicine	A1F, Second cycle, has second-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 research infrastructure and how it can be used in biomedical research
- give an account of the basics of the patent process in relation to guidelines and regulatory frameworks

Competence and skills

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

- write and assess the content of CVs that are intended to be enclosed with applications

- create a network and reflect on the skills and contacts that need to be developed and why these are of particular importance for collaboration and further development
- design and report on a project in bioentrepreneurship that intends to solve a biomedical issue related to one of the global sustainable development goals
- orally communicate an idea or project in a selling and engaged way according to preset conditions
- behave with a professional approach, respect others' opinions in discussions of bioentrepreneurship and meet set deadlines.

Judgement and approach

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

- reflect on their own developed strategies for leadership ability and their own influence on group dynamics
- reflect on the ethical and legal implications of patents for biological materials and biomedical processes
- evaluate the global sustainable development goals that biomedical projects and product development should focus on

Course content

During the course, the students work in groups on a bioentrepreneurship project in which they develop a plan from idea to product. Even if the product is not completed, the plan is to contain, among other things, strategies for funding, patents and application areas connected to one of the UN's global sustainable development goals. Individual contributions to the plan are to be clearly evident.

Training is given in leadership and group dynamics and reflections on strategies to develop their own skills. A strong curriculum vitae (CV) will be required in the future profession and the students train during the course to create and assess CVs and to network and market themselves in a way that can be of help to future services in academia, the pharmaceutical industry or project funding.

Course design

The working methods in the course are mostly based on active learning, requiring the students to prepare before each teaching component. The students are expected to behave professionally and, just as in a future work situation, participate constructively in the working group to achieve joint progress. The course contains several practical components that entail both individual training and cooperation in groups to solve problems.

Assessment

The assessment consists of a course portfolio that includes two reflections on their own contribution to, and development of, the project group, a reflection on contact networks in a biomedical profession, two oral presentations and a written group assignment. Furthermore, there are two tests based on multiple-choice questions that aim to assess learning outcomes for knowledge and understanding .

1. Course portfolio 6 credits, (Fail/Pass/Pass with distinction)
2. Multiple-choice questions 1.5 credits (Fail/Pass)

If there are special reasons, other forms of assessment may apply.

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, Pass with distinction.
To achieve the grade of Pass as a final grade, the grade of Pass is required on all components. To achieve the grade of Pass with Distinction as a final grade, the grade of Pass with Distinction is required on the course portfolio.

Entry requirements

Passed examinations and course components in semester 1 of the programme (30 credits) and at least 15 credits from semester 2.

Subcourses in BIMM03, Biomedicine: Innovation and Entrepreneurship

Applies from H21

2101 Course portfolio, 6,0 hp
Grading scale: Fail, Pass, Pass with distinction
2102 Multiple-choice questions, 1,5 hp
Grading scale: Fail, Pass