



**Karolinska  
Institutet**

Course syllabus for

## **Entrepreneurship in the life sciences, 6 credits**

Entreprenörskap inom livsvetenskaperna, 6 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

Please note that the course syllabus is available in the following versions:

[Autumn2012](#) , [Autumn2013](#) , [Autumn2014](#) , [Autumn2015](#) , [Autumn2016](#) , [Autumn2018](#) , [Autumn2019](#)

Course code	4BP024
Course name	Entrepreneurship in the life sciences
Credits	6 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Bioentrepreneurship
Level	AV - Second cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Learning, Informatics, Management and Ethics
Decided by	Programnämnd 7
Decision date	2012-03-30
Revised by	Programnämnd 7
Last revision	2013-03-21
Course syllabus valid from	Autumn 2013

## **Specific entry requirements**

A Bachelor's degree or a professional degree equivalent to a Swedish Bachelor's degree of at least 180 credits in health care, biomedicine, biology, cellular and molecular biology, pharmaceuticals, chemistry, medicine or biotechnology. English language skills equivalent to English B at Swedish upper secondary school.

## **Objectives**

The course introduces the concepts of innovation and entrepreneurship within the life science sector. The course also creates a basis for the rest of the programme regarding the pedagogic model and the learning activities.

Upon completion of the course, the student should be able to:

- explain bioentrepreneurship and describe its market and innovation system,
- design a business idea and apply basic business tools,
- show understanding for and apply feedback.

## Content

The course deals with the phenomenon of innovation and entrepreneurship, and the creation of life science companies and projects. The course contains the following themes; bioentrepreneurship, business planning, and entrepreneurial approach.

A brief business plan will be written as a project work in groups. The focus for the business plan will be to find a need, solve a real problem and sell an idea. The students will also design a scientific poster and work on their peer-to-peer feedback skills.

## Teaching methods

The course consists of lectures, seminars, interactive workshops, a case exercise and a group project.

## Examination

The examination consists of a written group project including a individual reflection (Fail/Pass/Pass with distinction), an oral presentation of that project, as well as a critical review on another project (Fail/Pass), a scientific poster (Fail/Pass/Pass with distinction) and a peer-to-peer review (Fail/Pass/Pass with distinction).

In order to pass the course the student needs to get the grade pass on all examinations. To get a “pass with distinction” on the entire course, the student needs to get the grade “pass with distinction” on the written project, the scientific poster, and the peer-to-peer review.

Compulsary attendance

Attendance on seminars and presentations are compulsory. The course director assesses if and, in that case, how absence can be compensated. Before the student has participated in all compulsory parts or compensated absence in accordance with the course director's instructions, the student's results for respective part will not be registered in LADOK.

## Transitional provisions

After each course occasion there will be at least six occasions for the examination within a two-year period from the end of the course.

## Other directives

The course language is English.

Course evaluation will be carried out in accordance with the guidelines established by the Board of Higher Education.

Oral evaluation in the form of course council meetings will be carried out during the course.

## Literature and other teaching aids

### Mandatory literature

*Osterwalder, Alexander; Pigneur, Yves*

**Business model generation : a handbook for visionaries, game changers, and challengers**

*Clark, Tim*

Hoboken, N. J. : Wiley, cop. 2010 - 278, [3] s.  
ISBN:978-0-470-87641-1 (pbk.) LIBRIS-ID:11901379

[Library search](#)

*Løwe Nielsen, Suna*

**Entrepreneurship in theory and practice : paradoxes in play**

Odense : Syddansk Universitetsforlag, 2009 - 260 s.  
ISBN:978-87-7674-380-2 LIBRIS-ID:11715377

[Library search](#)

**Recommended literature**

*Stickdorn, Marc; Schneider, Jakob*

**This is service design thinking : basics, tools, cases**

1. paperback ed : Amsterdam : BIS Publ., 2011 - 373 S.  
ISBN:978-90-6369-279-7 LIBRIS-ID:13863372

URL: [Länk](#)

[Library search](#)