



ME1024 Bioentrepreneurship

2.5 credits

Bioentreprenörskap

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for ME1024 valid from Spring 2011

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

You must provide academic records of four semesters, 90 ECTS credits or equivalent within medicine, biomedicine, biotechnology, biology, chemistry or technology from an internationally recognized university. Proficiency in the English language should be documented by an internationally recognized test.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After this course you should be able to:

- analyze and discuss the context of entrepreneurship
- identify a business opportunity
- develop and explain a business idea
- use creativity techniques to extend and further a business idea
- develop and write a complete business plan
- demonstrate key skill sets for starting a venture
- develop and argue for a complete business model.
- describe the process and phases of launching a venture, its context and common pitfalls
- analyze and discuss the process of recruitment, team building and management in new ventures
- know how to approach key customers and gain visibility for a new venture
- argue for the importance of execution, decision making and action oriented management in entrepreneurship and innovation processes
- analyze and explain why firms grow and what it means for society as a whole
- explain different kinds of resources and its importance for firm growth
- explain the concept of competitive advantage and analyze the competitive advantages of high growth enterprises
- describe the concept of international growth and explain for whom and why it may be appropriate
- explain the concept of exit model, for whom and why a certain exit model would be appropriate

Course contents

The course is built on experience from entrepreneurs and follows the typical stages for new venture creation and includes:

- real-world examples and experience
- analysis emphasis is placed on the creative process surrounding the development of a sound business idea
- the identification of distinct market opportunities
- the development of a strong business model.
- teaching the students how to construct viable and feasible business plans for projects in any industry and business..

- the concept of "bootstrapping" and how to apply it to ventures in different contexts
- action -oriented decision-making
- the entrepreneur's their journey and process of solving specific growth-related issues.

Disposition

The course will incorporate lectures, exercises. lectures, workshops and group projects.

Course literature

For information about the reading list, please contact the responsible department.

Examination

- SEM1 - Oral Presentation, 0.5 credits, grading scale: P, F
- TEN1 - Written Exam, 2.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

The examination is based on a written report and an oral presentation. Attendance at seminars/workshops and presentations is mandatory. Failure to attend can be compensated by an additional assignment chosen together with faculty and assessed individually.

Other requirements for final grade

The course is given together with the KI course 1QA103 and a grade will be given to students how take and pass both courses.

The examination will be provided during a period of two years after a close-down of the course.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.