



ME2310 Biotechnology - Business - Leadership 15.0 credits

Bioteknik - Ekonomi - Ledarskap

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

Establishment

Course syllabus for ME2310 valid from Spring 2017

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Biotechnology, Industrial Management

Specific prerequisites

Course is only open for students in the master program TIEMM2-BII

Language of instruction

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

Intended learning outcomes

After the course, the students should:

- Have an experience about using their knowledge (both their biotechnological and industrial management) in practice
- Have assimilated deepening theoretical knowledge within some areas in both subjects of Biotechnology and industrial management
- Have received experience of project work that is driven in collaboration with an external stakeholder and with other group members
- Be able to integrate earlier studies in biotechnology, economics and leadership
- Receive an increased knowledge about how biotechnology, economics and leadership issues work together
- Be able to analyze and deal with differences within industrial economics and management with special focus on the biotech industry and its practice.
- Develop a skill to, in writing, reflect over the knowledge that has be learned and delimit and deal with a complex research question
- Couple theory, methods and results, do methodological considerations and a theoretical based analysis of the empirical findings
- Describe and discuss different perspectives on relevant sustainability challenges, and how these in different ways can contribute to new opportunities for the business development.

Course contents

The course consists of several parts. The first is a literature and seminar part, the second is a systematic and theory based exploration, and the third is a project part. The literature part comprises of seminars with deepening within both biotechnology and industrial economics and management and an essay within an own subject that has connection to the project that is conducted in the course. The project is conducted in collaboration between the Biotechnology school, the Industrial economics and management department, and company or organization in which the project is placed.

The project is conducted by a group of technology students. A systematic theoretical methodology is applied. Problem formulations and half time seminars are included together with a final presentation in the form of one or two reports and a verbal presentation for the external partner.

Course literature

Meddelas vid kursstart.

Is announced at the start of the course.

Examination

- SEM1 - Seminars, 5.0 credits, grading scale: P, F

- PRO1 - Project, 10.0 credits, grading scale: A, B, C, D, E, FX, 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.

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.