



**Karolinska
Institutet**

Course syllabus for

Industrial Management, 6 credits

Industriell ekonomi, 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:

Autumn2016 , [Autumn2017](#) , [Autumn2018](#) , [Autumn2019](#)

Course code	4BP036
Course name	Industrial Management
Credits	6 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Bioentrepreneurship
Level	G2 - First cycle 2
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Learning, Informatics, Management and Ethics
Decided by	Programme Committee 7
Decision date	2016-03-23
Course syllabus valid from	Autumn 2016

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. And proficiency in English equivalent to English B/English 6.

Objectives

The course aims to provide an overview of the fundamentals of business economics.

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

Regarding knowledge and understanding

- explain how a business as well as leadership, organizing, strategic planning, and management control functions in an industrial organisation,
- explain the structure of the industrial company's stream of payments,

Regarding skills and ability

- interpret an annual report from an industrial organisation, as well as be able to calculate and

- design the different parts of it at a basic level,
- construct, interpret and use cost calculations as part of the decision support for the industrial company's different situations,

Regarding judgement and approach

- connect industrial management to his/her future area of work,
- based on his/her own view of industrial management, explain how the different parts of the area fit together related to the objectives of the industrial organisation.

Content

The course includes understanding and analyzing markets, competition and profitability, and domestic as well as global economics. It also includes:

- industrial dynamics and the interplay with competitors and stakeholders (customers, suppliers, employees, the society at large etc),
- the distinctive character of industrial operations,
- organization & human resource management,
- innovation & entrepreneurship,
- leadership,
- strategic planning,
- marketing,
- cost-volume-profit analysis,
- accounting & bookkeeping,
- finance (acquiring and using capital),
- cash-flow analysis,
- investment appraisal,
- management control,
- costing.

Sustainability, gender, communication, and teamwork are also covered in relation to the topics

Teaching methods

The course consists of lectures, exercises, student project work, and class discussions.

Examination

The examination consists of

- a written exam (fail/pass/pass with distinction).

Limitation of number of occasions to write the exam:

A student who does not pass the examination on the first occasion is offered a maximum of five additional opportunities to sit the examination. A student who fails the examination on six occasions is not permitted to sit the examination again or to retake the course.

Participation in an examination is defined as an occasion on which a student attends an examination, even if the student submits a blank examination paper. If a student has registered to sit an examination, but does not attend the examination, this is not defined as participation in the examination.

Transitional provisions

After each course there will be at least 5 opportunities to sit the examination within a two-years period.

Other directives

The course language is English.

A course evaluation will be conducted according to guidelines decided by the Board of Higher Education.

Literature and other teaching aids

There is no literature specified for this course. Please contact the department for more information.