



**Karolinska
Institutet**

Course syllabus for

Industrial Management, 6 credits

Industriell ekonomi, 6 hp

This course syllabus is valid from autumn 2020.

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

Autumn2020 , [Autumn2022](#) , [Autumn2024](#)

Course code	4BP039
Course name	Industrial Management
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	Utbildningsnämnden LIME
Decision date	2020-03-04
Revised by	Education committee LIME
Last revision	2020-04-02
Course syllabus valid from	Autumn 2020

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

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

Regarding knowledge and understanding

- Explain and describe various technology-based business models and the dynamics of value creation, value proposition, and value capture in industrial enterprises
- Explain and describe how industrial activities are managed and organized.
- Understand the basic principles of financial accounting and reporting
- Understand and explain the activities of an industrial enterprise from different perspectives, based on concepts from the subject of industrial management

Regarding skills and ability

- Produce and analyse financial reports, on a basic level.

Regarding judgement and approach

- Select, interpret and use different costing techniques as a basis for decisions in various business situations.

Content

The course includes the following main areas in industrial management: industrial value creation, K / I analysis, product calculation, investment assessment, accounting, financial analysis, cash flow analysis, and financing.

Teaching methods

The course consists of lectures and exercises. During the course, three partial exams and a project assignment will be offered on a voluntary basis.

Compulsory participation

The examiner assesses if and how absence from compulsory parts can be compensated. Before the student has participated in compulsory parts or compensated absence in accordance with the examiner's instructions the student's course results will not be reported. Absence from a compulsory part may result in the student having to wait to compensate until the next time the course is given.

Examination

The examination consists of

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

A limited number of examinations

Students who have not passed the regular examination are entitled to participate in five more examinations. If the student has failed six examinations/tests, no additional examination or new admission is provided.

The number of times that the student has participated in one and the same examination is regarded as an examination session. Submission of a blank exam is regarded as an examination session. An examination for which the student registered but not participated in, will not be counted as an examination.

If there are special grounds or a need for adaptation for a student with a disability, the examiner may decide to deviate from the syllabus's regulations on the examination form, the number of examination opportunities, the possibility of supplementation or exemptions from the compulsory section/s of the course etc. Content and learning outcomes, as well as the level of expected skills, knowledge and abilities, may not be changed, removed or reduced.

Transitional provisions

Examination will be provided during a time of two years after a possible cancellation of the course. Examination can take place according to an earlier literature list during a time of one year after the date when a major renewal of the literature list has been made.

Other directives

The course language is English.

Course evaluation is carried out according to the guidelines that are established by The Committee for Higher Education.

Literature and other teaching aids

Mandatory literature

Modern industrial management

Engwall, Mats; Jerbrant, Anna; Karlson, Bo; Storm, Per

First edition : Lund : Studentlitteratur, [2018] - 483 sidor

ISBN:9789144121024 LIBRIS-ID:4c10hj2n2d3x7vvg

[Library search](#)

Engwall, Mats; Karlson, Bo; Akhbari, Mohammad

Exercises for modern industrial management

First edition : Lund : Studentlitteratur, [2019] - 300 sidor

ISBN:9789144136103 LIBRIS-ID:2cgh3ck50xzqstd2

[Library search](#)