



PROGRAMME IN BUSINESS AND ECONOMICS

EKF201 Industrial and Financial Management, 15 credits

Industriell och finansiell styrning, 15 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Programme in Business and Economics (ICU) on 2020-06-12 and was last revised on 2020-11-06 to be valid from 2021-01-18, spring semester of 2021.

Field of education: Social Sciences 100%

Department: Programme in Business and Economics

Other participating department

Department of Business Administration

Position in the educational system

The course is offered in the first cycle and is included in the fourth semester of the Bachelor's Programme in Business and Economics for students majoring in business administration.

The course can be part of the following programme: 1) Bachelor's Programme in Business and Economics (S1EKA)

Main field of studies

Business Administration

Specialization

G2F, First cycle, has at least 60 credits in first-cycle course/s as entry requirements

Entry requirements

To be eligible for the course 60 passed credits from the first three semesters of the Bachelor's Programme in Business and Economics or equivalent are required.

Learning outcomes

On successful completion of the course the student will be able to:

1. describe, explain, and use basic quantitative methods and models used in the field of industrial and financial management to facilitate decision-making in business firms and other organizations,
2. evaluate if, when and how quantitative methods are suitable for obtaining adequate decision support,
3. use computer support to solve standard problems in industrial and financial management,
4. show understanding for the role of technology in businesses and society, and demonstrate technology agility,
5. analyse unstructured decision problems in the field of industrial and financial management, as well as formulate and develop solutions by applying appropriate scientific quantitative and/or qualitative methods on relevant data collected.

Course content

The course consists of two parts: Financial management and Industrial management. The focus is on decision-making based on quantitative methods. This is especially relevant regarding efficient use of resources and value creating in firms and other organizations. Basic quantitative methods and models for decision-making in the field of industrial and financial management will be used.

The financial management part covers the quantitative methods and models for capital budgeting and corporate finance. Value creation is contingent on profitable investments being distinguished and pursued, but the financing of investments is also an important part. Investment and financing are two sides of the same coin, where risk is an essential analysis parameter. Here, the emphasis is on the net present value method and related methods used for evaluating “real” and financial decisions in both the short and the long term.

The industrial management part covers quantitative methods and models in operations and supply chain management. Operating activities of firms and organizations create value by efficiently transforming inputs into goods and services. The emphasis is on forecasting methods, linear programming, capacity planning, quality management, project management, timetabling, inventory management, and general production planning.

Throughout the course, students are being trained in formulating and solving problems analytically, as well as using computerized software in the resolution of mathematical problems. In addition, the course includes case assignments training students to collect and manage data both systematically and ethically, use different types of information technology and apply widely used statistical tools and techniques. The case studies

include elements that will strengthen students' technology agility, and their ability to make ethical assessments in a critical manner.

Form of teaching

Lectures and case assignments.

Language of instruction: English

Assessment

The course will be assessed through written exams and through case assignments.

Learning outcome 1, 2 are assessed through written exams (one in financial management and one in industrial management)

Learning outcome 3, 4 are assessed through case assignments.

Learning outcome 5 is assessed through case assignments and written exams.

In addition to compulsory examination elements there can be non-compulsory elements during the course which gives the student possibility to prepare for the individual written examinations. From these elements, it is possible to bring bonus points. Any points earned from the non-compulsory elements are only valid during the course instance (initial exam and two re-exams).

Individual take-home assignments and exams shall be written individually, cooperation in formulating text, tables, figures etc. is not allowed.

A student who has taken two exams in a course or part of a course without obtaining a pass grade is entitled to the nomination of another examiner. The student needs to contact the department for a new examiner, preferably in writing, and this should be approved by the department unless there are special reasons to the contrary (Chapter 6 Section 22 of the Higher Education Ordinance).

If a student has received a recommendation from the University of Gothenburg for special educational support, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, the examiner may decide to allow the student to sit an adjusted exam or alternative form of assessment.

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, but no more than two years, after the course has ceased/been changed.

Grades

The grading scale comprises: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F).

Pass is required on the written exam in financial management, pass is required on the written exam in industrial management as well as on each of the case assignments separately. To determine the final grade, points from non-compulsory assignments are combined with the points received from the written exams.

Failed case assignment can be supplemented to a pass grade.

Course evaluation

Upon completion, the course will be evaluated in accordance with the rules for course evaluations established by the Bachelor's Programme in Business and Economics at the School of Business, Economics and Law. The results of the evaluation, as well as any changes in the course, shall be communicated to the students who completed the evaluation and the students who are enrolled in the subsequent round of the course