UNIVERSITY OF GOTHENBURG

DEPARTMENT OF BUSINESS ADMINISTRATION

FEK204 Business Administration, Operations Management, 7.5 credits

Företagsekonomi, Operativ styrning, 7,5 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Department of Business Administration on 2019-09-10 and was last revised on 2022-05-24 to be valid from 2022-08-29, autumn semester of 2022.

Field of education: Social Sciences 100%
Department: Department of Business Administration

Position in the educational system

The course is offered as a freestanding course.

The course can be part of the following programmes: 1) European Studies Program (S1EUR), 2) Bachelor's Programme in Logistic management (S1LOG) and 3) Program in Environmental Social Science (S1SMI)

Main field of studies	*Specialization*
Business Administration	G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Entry requirements

Admission to the course requires the student to have completed FEK101 Business Administration, Organization and Leadership, 7.5 credits, FEK102 Business Administration, Marketing, 7.5 credits, FEK103 Business Administration, Financial Accounting, 7.5 credits and FEK104 Business Administration, Management Accounting, 7.5 credits or FEG100 Business Administration 1, 30 credits, or equivalent.

Learning outcomes

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

1. Describe and explain basic quantitative methods and models for managing a company's operating activities; and, be able to discern if, when and how quantitative methods and models are suitable for managing the company's operating activities.
2. Apply basic scientific quantitative methods in the field of operations management, use these as a basis for interviewing leaders and to analyse collated empirical materials, draw up a scientific project report and publicly discuss and examine a project report.

Specific learning outcomes for students enrolled in a study programme: Since autumn 2013, all students enrolled in a study programme offered by the School of Business, Economics and Law are required to attend School-wide socalled sustainability days.

3. To identify, illustrate and problematise global and local work with responsible business, ethics and follow-up related to environmental, social and economic sustainability issues.

The qualitative targets for a Degree of Bachelor of Science are related to the course's learning outcomes.

Qualitative targets	**Learning outcomes**
Knowledge and understanding	1
Competence and skills	2
Judgement and approach	1 + 3

The course is sustainability-related, which means that at least one of the learning outcomes clearly shows that the course content meets at least one of the University of Gothenburg's confirmed sustainability criteria.

Course content

An organisation's operating activities create added value by transforming input¨resources into goods and services. This course contains methods and models, mainly based on a quantitative approach, that can be used for managing operating activities with the aim of getting these to function as efficiently as possible.

The course covers the main themes that are traditionally included in basic operations management courses. Forecasting methods, linear programming, capacity planning, quality management, project management, timetabling, inventory management and general production planning are some of these. The course also uses computerised software in the resolution of mathematical problems.

The course also includes elements that will strengthen the student's generic knowledge. Analytical ability, written communication skills and critical review of project reports are trained in a scientific project.

Form of teaching

The course consists of lectures, lessons, math labs and seminars.

Language of instruction: Swedish
Teaching in English may occur.

Assessment

Learning outcome 1 is examined via a written exam.
Learning outcome 2 is examined via a scientific project that is reported on in a project report and via a review of another's project report.

Learning outcome 3 is examined via a written group assignment in connection with the compulsory sustainability day titled Sustainability Day: Responsibility. In order to receive a pass grade for the course, students enrolled in a study programme who are absent this day must complete a special supplementary assignment.

Attendance at the final seminar is compulsory. Due to resource constraints, the scientific project and seminar can only be performed and assessed within the course dates. Students that fail to attend the compulsory seminar are required to carry out an individual supplement task within a prescribed time in order to reach a Pass. Scientific project and review that does not pass can be revised in the prescribed time to achieve a Pass grade.

Attendance is required of students enrolled in a study programme at the day titled Sustinability Day: Responsibility.

If a student who has twice received a failing grade for the same examination component wishes to change examiner ahead of the next examination session, such a request should be made to the department in writing and 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 study support for students with disabilities, the examiner may, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, 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. The same applies to internships and professional placements (VFU), although this is restricted to just one additional examination session.

Grades

The grading scale comprises: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F).
To pass the course, a student must have achieved all learning outcomes. This means a passing grade (A-E) on the written exam, Pass (G) in the written project report and Pass (G) in the written review of another's project report. The compulsory elements of the course must also be completed. The course grade (A-F) is based on the written exam. For students enrolled in a programme, Pass (G) on the written group assignment (Sustainability Day: Responsibility) and compulsory attendance at that day is also required.

Grade (Definition) Characteristic:

A (Excellent) A distinguished result that is excellent with regard to theoretical depth, practical relevance, analytical ability and independent thought.

B (Very good) A very good result with regard to theoretical depth, practical relevance, analytical ability and independent thought.

C (Good) The result is of a good standard with regard to theoretical depth, practical relevance, analytical ability and independent thought and lives up to expectations.

D (Satisfactory) The result is of a satisfactory standard with regard to theoretical depth, practical relevance, analytical ability and independent thought.

E (Sufficient) The result satisfies the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought, but not more.

F (Fail) The result does not meet the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought.

Some occasional examination elements of the course may have the grading scale UG (Fail/Pass).

Course evaluation

A course evaluation is conducted anonymously either digitally via the course website or via a written questionnaire handed out at the last scheduled meeting of the course or in connection with the exam. The results of the evaluation are to be communicated to

students via the course committee and course website.

The results of and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.

Additional information

The following upper secondary elements from Mathematics 3b / 3c are used in the course: Elementary algebra, equations, systems of equations, derivatives, derivation rules for power functions, polynomial functions, max / min of functions, powers and logarithms, variance and standard deviations. (Mathematics 3b / 3c is a prerequisite for Business Administration 1). Opportunity for repetition is available on the course's learning platform.