



## DEPARTMENT OF BUSINESS ADMINISTRATION

### **FEK210 Digitalization and Management, 15 credits**

Digitalisering och styrning, 15 högskolepoäng

*First Cycle*

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#### **Confirmation**

This course syllabus was confirmed by Department of Business Administration on 2019-12-06 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) Programme in Business and Economics (S1EPG) and 2) Bachelor's Programme in Business and Economics (S1EKA)

#### *Main field of studies*

Business Administration

#### *Specialization*

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

#### **Entry requirements**

Admission to the course requires a pass of at least 45 credits from 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, FEK201 Business Administration, Strategic Marketing Management, 7.5 credits, FEK202 Business Administration, Strategy, 7.5 credits, FEK203 Business Administration, Economic and Financial Management, 7.5 credits, FEK204 Business Administration and Operations Management, 7.5 credits, or from FEG100 Business Administration 1, 30 credits and FEG200 Business Administration 2,

30 credits or equivalent.

### Learning outcomes

For each sub-course, learning outcomes are stated under "Course content".

### Course content

The Digitalization and Management course, 15 credits, comprises two sub-courses. One of these covers digitalization and its impact on organisations and management in general, and one where the student chooses specialization in a specific field of application. The fields of application offered in this course are logistics and management accounting.

- Sub-course 1 Digitalization and Management, 7.5 credits is studied by all students. The student chooses which field of application he/she would like to specialise in and studies one of the sub-courses below:

- Sub-course 2 Logistics, 7.5 credits
- Sub-course 3 Management Accounting, 7.5 credits

Within the framework of these sub-courses, there are: visiting lecturers from trade and industry; and/or study visits to companies/workplaces; and, laboratory sessions. Issues concerning sustainable development and ethical aspects of information systems are also touched on in the course.

### *Sub-courses*

#### **1. Digitalization and Management** (*Digitalisering och styrning*), 7.5 credits

Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F)

#### *Content*

This sub-course comprises two parts – a theoretical part and a practical part. The theoretical part focuses on giving students increased understanding of the significance of digitalization and its impact on organizations and management in general. The sub-course also aims to develop a knowledge and understanding of the complexities in the evaluation and implementation of digital techniques. The practical part comprises the students using enterprise systems to solve simple tasks that may arise in an organization.

#### *Learning outcomes*

On successful completion of the sub-course, students should be able to:

1. Explain how and why digitalization affects organizations and their governance.
2. Explain essential aspects of information systems evaluation and implementation.
3. Use enterprise systems to solve simple tasks arising in an organization.
4. Take a stance on definitions and current issues discussed in the course.

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

Qualitative targets	Learning outcomes
<i>Knowledge and understanding</i>	1+2+3+4
<i>Competence and skills</i>	1+2+3
<i>Judgement and approach</i>	4

#### *Form of teaching*

Lectures, lectures by visiting speakers, seminars and laboratory sessions.

#### *Assessment*

Learning outcomes 1 and 2 are examined via a written exam.

Learning outcome 3 is examined via two laboratory sessions.

Learning outcome 4 is examined via an individual written exam and a project work (carried out as a team). All students must be individually prepared to present a solution to the group/groups at the seminar.

During the course, there may be lectures by visiting speakers and laboratory sessions where attendance is compulsory. A student who does not participate needs to complete a special make-up assignment within the prescribed time.

Due to resource constraints, project work and laboratory sessions can only be performed and assessed within the course dates.

#### *Grades*

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

To pass the sub-course, a student must have achieved all learning outcomes. This means a passing grade (A-E) on the written exam, a passing grade (A-E) for the project work and Pass (G) for laboratory sessions. The compulsory elements of the sub-course must also be completed. Points on the written exam and the project work

are added together and translated into grade A-F for the sub-course.

## 2. **Logistics** (*Logistik*), 7.5 credits

Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F)

### *Content*

This component deals with IT applications in the field of logistics. It gives an overview of possible IT applications in the field. A number of applications are studied in detail.

### *Learning outcomes*

On successful completion of the sub-course, students should be able to:

1. Describe and explain: basic terminology and concepts in the IT field; central applications of IT support in the logistics field; and, how these applications can contribute to creating value in an organisation.
2. Describe and exemplify how IT support in the field of logistics can contribute to creating value in an organisation.
3. Conduct basic exercises in a selection of IT-support tools within the logistics area.
4. Analyse and assess (starting from relevant theory) ethical aspects of information systems.

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

<b>Qualitative targets</b>	<b>Learning outcomes</b>
<i>Knowledge and understanding</i>	1+2+3+4
<i>Competence and skills</i>	1+2+3
<i>Judgement and approach</i>	4

### *Form of teaching*

Lectures, seminars, study visits and laboratory sessions.

### *Assessment*

Learning outcome 1 is examined via a written exam.

Learning outcome 2 is examined via one case study, which is presented orally and in writing.

Learning outcome 3 is examined via two laboratory sessions.

Learning outcome 4 is examined via a written exam and one case study.

During the course, there may be lectures by visiting speakers and laboratory sessions where attendance is compulsory. A student who does not participate needs to complete a special make-up assignment within the prescribed time.

Due to resource constraints, case studies, study visits and laboratory sessions can only be performed and assessed within the course dates.

### *Grades*

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

To pass the sub-course, a student must have achieved all learning outcomes. This means a passing grade (A-E) on the written exam and Pass (G) in all laboratory sessions and case studies. The compulsory elements of the sub-course must also be completed. Points on the case and the written exam are added together and translated to grade A-F for the sub-course.

### **3. Management Accounting** (*Ekonomistyrning*), 7.5 credits

Grading scale: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F)

### *Content*

This component deals with advanced financial control solutions in modern environments. Via models and frameworks for breaking down strategies into numerical values, students are provided the opportunity to analyse and design IT based applications in the field of financial control.

### *Learning outcomes*

On successful completion of the sub-course, students should be able to:

1. Explain relevant aspects of management accounting and decision-support systems; everything from functionality and modelling to the design to aspects of use in implementation and integration in an organisation's operations.
2. Design and use at least one decision-support system to solve a simple task in

an organisation.

3. Take a stance on definitions and current issues in the field of decision-support systems (as defined in the course).

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

Qualitative targets	Learning outcomes
<i>Knowledge and understanding</i>	1+2+3
<i>Competence and skills</i>	1+2
<i>Judgement and approach</i>	3

#### *Form of teaching*

Lectures, guest lectures, seminars, lab workshops and project supervision.

#### *Assessment*

Learning outcome 1 is assessed via a written exam and a project work.

Learning outcome 2 is assessed via three laboratory sessions.

Learning outcome 3 is assessed via a written exam, seminar participation and a group project. Seminar participation includes presenting written preparation.

During the course, there may be lectures by visiting speakers and laboratory sessions where attendance is compulsory. A student who does not participate needs to complete a special make-up assignment within the prescribed time.

Due to resource constraints, project work and laboratory sessions can only be performed and assessed within the course dates.

#### *Grades*

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

To pass the sub-course, a student must have achieved all learning outcomes. This means a passing grade (A-E) on the written exam, a passing grade (A-E) for the project work and Pass (G) for laboratory sessions and seminar work. The compulsory elements of the sub-course must also be completed. Points on the written exam and the project work are added together and translated into grade A-F for the sub-course.

### **Form of teaching**

See “Course content” (above) for each sub-course.

*Language of instruction:* Swedish  
Teaching in English may occur.

### **Assessment**

See each sub-course.

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. The same applies to placements 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).

All points from sub-course 1 Digitalization and Management and one of the sub-courses 2 Logistics or 3 Management Accounting are added together and translated to grade A-F for the course. For a passing grade of the course, a passing grade must be also received for both sub-courses (A-E).

### **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 course cannot be part of the 90 higher education credits (with successive specialisations) that is required in the bachelor's degree in business administration main field of study.