School of Economics and Management

INFN40, Informatics: Strategic Management and Information Systems, 7.5 credits

Informatik: Strategisk ledning och informationssystem, 7,5 högskolepoäng

Second Cycle / Avancerad nivå

Details of approval

The syllabus was approved by The Board of the Department of Informatics on 2013-09-20 and was last revised on 2024-09-18. The revised syllabus comes into effect 2025-03-15 and is valid from the autumn semester 2025.

General information

The course is compulsory within the Master's Programme in Information Systems.

Language of instruction: English

Main field of study	*Specialisation*
Informatics	A1N, Second cycle, has only first-cycle course/s as entry requirements
Information Systems	A1N, Second cycle, has only first-cycle course/s as entry requirements

Learning outcomes

The overall aim of the course is for the student to achieve greater understanding of the technological and organisational factors that influence the strategic significance of information systems for organisations.

Knowledge and understanding

To pass the course, the student must demonstrate knowledge of and understanding of

- key elements of different schools of strategy theory
- different strategy theory viewpoints
- the underlying arguments for a certain strategy theory viewpoint
- the relation of business strategies to organisations and their activities

Competence and skills

To pass the course, the student must demonstrate competence and skills individually or in groups to

- participate in group work where strategic problems in different company case studies are analysed
- give examples of situations in industry where the theories discussed in the course can be applied
- analyse an enterprise in order to explore and select an appropriate information system for a specific type of activity and its future development
- critically analyse the use of different information systems in an organisational context

Judgement and approach

To pass the course, the student must demonstrate the ability to

- describe, explain and evaluate different strategy theories from a sustainability perspective on society
- evaluate the pros and cons of different information systems as support for a specified enterprise
- motivate an appropriate choice of business strategy for the development of a specified organisation

Course content

The course addresses central ideas within the area of strategic management and information systems. The knowledge acquired during the course is general and can be applied in practice without being tied to any specific supplier of information systems or a specific company within a particular branch.

The following topics will be covered:

- enterprises and their organisation
- theories of strategic management
- activity and business models
- strategy-related information systems
- some trends in the development of information systems

Course design

The teaching consists of lectures, guest lectures, seminars, group case studies, workshops and supervision.

Assessment

The assessment is based on a take-home exam, case reports and assignments.

Re-examinations are offered in close conjunction with the first examination.

The test and course grades are determined by the course examiner. The examiner is entitled to change the grades given by the teachers on the course if this does not violate Chapter 6, Section 24 of the Higher Education Ordinance (1993:100).

Academic misconduct such as cheating, plagiarism, fabrication and falsification is considered a serious offence in higher education (see Chapter 10 of the Higher Education Ordinance). The disciplinary measures that may be taken as a result of such offences are caution or suspension for a limited period of time from the university (and all the faculties of the university).

Examinations

- Individual Assignments, 1.0 cr, grading scale: U-G, individual examination
- Case Papers, 3.0 cr, grading scale: U-A, group examination
- Take-home exam, 3.5 cr, grading scale: U-A, individual examination

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Grades

Grading scale includes the grades: U=Fail, E=Sufficient, D=Satisfactory, C=Good, B=Very Good, A=Excellent

Grade (Definition) Points or percentage out of maximum points. Characteristic.

A (Excellent) 85-100. A distinguished result that is excellent with regard to theoretical depth, practical relevance, analytical ability and independent thought.

B (Very good) 75-84. A very good result with regard to theoretical depth, practical relevance, analytical ability and independent thought.

C (Good) 65-74. 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) 55-64. The result is of a satisfactory standard with regard to theoretical depth, practical relevance, analytical ability and independent thought.

E (Sufficient) 50-54. The result satisfies the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought, but not more.

F (Fail) 0-49. The result does not meet the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought.

To pass the course, the student must have been awarded the grade of E or higher.

Grading rules and definitions

Examination grades

Examinations are graded according to the grading scale U-A or the grading scale U-G (Fail-Pass).

Course grade

A passing grade on all examinations is required to pass the course.

1. For each examination with the grading scale U-A, the obtained points are multiplied by the number of credits for the examination. Grades without points are converted as follows: A = 92, B = 80, C = 70, D = 60, E = 52.
2. The products of the included examinations are summed up and divided by the total number of credits of the included examinations.
3. This results in a weighted average which determines the course grade. 85–100 gives the grade A, 75-84 gives the grade B, 65-74 gives the grade C, 55–64 gives the grade D, 50–54 gives the grade E.

Examinations with the grading scale U-G are not included in the calculation of the course grade.

Entry requirements

Admission to the course requires English 6 as well as the courses: ”Informatics: Introduction to Information Systems, 1-30 cr”, ”Informatics: Information Systems and Business Development, 31-60 cr” and "Informatics: Bachelor Degree Project, 15 cr" and further 15 cr informatics/information systems at Bachelor level or the equivalent.

Further information

It is compulsory to attend the introduction meeting, where a roll call will be taken. Absence without notification means that the admitted student will lose their seat on the course.

For transitional provisions with regard to previous courses, please contact the study advisor for an individual assessment.

If the course is discontinued, there may be limited opportunities for re-examination. Please contact the study advisor for information.