School of Economics and Management

INFE01, Information Systems: Managing Digitalisation, 5 credits

Information Systems: Managing Digitalisation, 5 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by The Board of the Department of Informatics on 2017-10-11 and was last revised on 2026-06-03. The revised syllabus comes into effect 2026-09-15 and is valid from the spring semester 2027.

General information

The course is compulsory within the Bachelor's Programme in International Business.

Language of instruction: English

Main field of study	*Specialisation*
Informatics	G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Learning outcomes

There are few organisations today, private and public, that are not somehow affected by digitalisation. Most of today's managerial work requires knowledge and toolsets to manage the different aspects of the omnipresent reshaping of the organisational landscape that is digitalisation. Digitalisation, however, has different meanings for different stakeholders in any given organisation and it may span from automation to transformation of core processes. Digitalisation has the power to disrupt established business models and to create new, never-before-seen, business models. This course aims to provide an insight into the technological and managerial landscape that information technologies are building today.

On completion of the course, the student shall have achieved a thorough understanding of how digitalisation affects organisations.

Knowledge and understanding

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

- the forces driving the digitalisation of society, industry and organisations
- digitalisation and ICT from a local and global perspective
- social aspects of digitalisation in organisations

Competence and skills

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

- critically discuss and evaluate different computer-supported information systems
- critically discuss and evaluate the role of technology in digitalisation of organisations
- evaluate and argue for different internet-based business models

Judgement and approach

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

- assess and evaluate the effects of digitalisation on organisations

Course content

The course focuses on the challenges that digitalisation poses in the modern organisation. To manage digitalisation, both managerial and technological aspects must be considered in conjunction. By studying theories on digitalisation and analysing cases, the course focuses on how information technology alters internal and external processes within and across organisations and society.

Course design

The teaching consists of lectures and case-seminars.

Assessment

The assessment is based on assignments, individual examination and project work.

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

- Assignments, 1.5 cr, grading scale: U-G, group examination

- Individual examination, 2.0 cr, grading scale: U-A, individual examination
- Project, 1.5 cr, grading scale: U-A, group 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.

U (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 general requirements and English 6 as well as courses of 30 cr in a business-related subject area or the equivalent.

An exception for the general entry requirement in Swedish will be granted when the course is given in English.

Further information

The course overlaps with INFE02, INFN60 and INFN61.

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.