



School of Economics and Management

## INFN60, Information Systems: Designing Digitalisation, 7.5 credits

*Information Systems: Designing Digitalisation, 7,5 högskolepoäng*  
Second Cycle / Avancerad nivå

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### Details of approval

The syllabus was approved by The Board of the Department of Informatics on 2018-10-10 and was last revised on 2024-09-18. The revised syllabus comes into effect 2024-09-18 and is valid from the spring semester 2025.

### General information

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

*Language of instruction:* English

*Main field of study Specialisation*

Information Systems      A1N, Second cycle, has only first-cycle course/s as entry requirements

Informatics                A1N, Second cycle, has only first-cycle course/s as entry requirements

### Learning outcomes

There are few organisations today, private and public, that are not somehow affected by digitalisation.

The work to manage and develop today's organisations requires knowledge and tools to handle the digitalisation that permeates the ongoing restructuring of today's organisations.

Digitalisation has different meanings for organisations' different stakeholders, ranging from automation to transformation of business processes. Digitalisation can change established business models, as well as create new unforeseen business models. The course aims to provide an in-depth insight into the technological and organisational landscape currently formed by IS/IT.

On completion of the course, the student shall have achieved a thorough understanding of how management and development of organisations are affected by digitalisation.

## 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 IT from a local and global perspective
- Business Technology as a perspective on IS/IT

## 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
- evaluate and argue for different digitally enhanced business models
- critically discuss and evaluate social aspects of digitalisation of organisations

## Judgement and approach

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

- assess and evaluate the effects of digitalisation on organisations
- assess and evaluate the role that technology plays in digitalisation of organisations
- assess and relate to the application of different digital technologies

## Course content

The course focuses on the challenges that digitalisation poses in the modern organisation. To control and design digitalisation, both technological and organisational 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

Teaching consists of lectures and case-seminars.

## Assessment

The assessment is based on 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*

- Assignments, 7,5 cr, grading scale: U-A, individual and 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 English 6 and the courses: "Informatics: Introduction to Information Systems, 1-30 cr", "Informatics: Information Systems and Business Development, 31-60 cr" and "Informatics: Bachelor Degree Project (Thesis), 15 cr" and further 15 cr informatics/information systems at Bachelor level (G2F) or the equivalent.

## **Further information**

The course overlaps with INFE01, INFE02 and INFN61.

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 his/her 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.