



Faculty of Arts and Social Sciences
Business Administration

Syllabus

Digitalisation

Course Code: IEAD09

Course Title: Digitalisation
Digitalisering

Credits: 7.5

Degree Level: Master's level

Progressive Specialisation: Second cycle, has second-cycle course/s as entry requirements (A1F)

Major Field of Study:

IEA (Industrial Management)

Course Approval

The syllabus was approved by the Faculty of Arts and Social Sciences 2025-09-02, and is valid from the Spring semester 2026 at Karlstad University.

Prerequisites

A degree of Bachelor with Industrial Engineering and Management as the main field of study, or 105 ECTS credits completed from semesters 1-4 and 22.5 ECTS credits from semester 5 in the Industrial Engineering and Management (TACIE) programme, and IEAD03 Innovation Management, 7.5 ECTS credits, or equivalent

Learning Outcomes

Upon completion of the course, students should be able to:

1. give an account of key concepts and theories of organisational development and digitalisation,
2. describe, explain, and critically reflect upon digitalisation from different perspectives,
3. assess and critically reflect upon how digitalisation can be implemented in practice, with support from relevant theories, and
4. analyse and explain how businesses can create value for customers and themselves

through digitalisation.

Content

The course is based on a view of digitalisation as a process of change and covers concepts and theories of organisational development and digital transformation. Students acquire a broad understanding of digitalisation, digitally-driven organisational development, and how change management can be conducted. The course covers different perspectives on digitalisation, discussed in terms of both research and practice. Theoretical frameworks and models are discussed and applied, and students practise analysing concrete cases of digitalisation. The course aims for students to develop their ability to analyse digitalisation and their understanding of how change can be implemented.

Students participate actively in lectures and exercises. The coursework requires students to read the course literature, attend lectures, submit written assignments, and carry out practical exercises and presentations.

Reading List

See separate document.

Examination

Assessment is based on written and oral, individual and group assignments presented and discussed in seminars, and a written exam.

Submissions for assessment must clearly indicate individual contributions.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades 5 (Pass with Distinction), 4 (Pass with Some Distinction), 3 (Pass), U (Fail) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.