



Faculty of Arts and Social Sciences  
Information Systems

## Syllabus

### Enterprise and Information Technology (IT)

**Course Code:**

ISGA02

**Course Title:**

Enterprise and Information Technology (IT)  
*Verksamhet och IT*

**Credits:**

7.5

**Degree Level:**

Undergraduate level

**Progressive  
Specialisation:**

First cycle, has only upper-secondary level entry requirements (G1N)

**Major Field of Study:**

IKA (Information Systems)

#### Course Approval

The syllabus was approved by the Faculty of Arts and Social Sciences 2025-08-26, and is valid from the Spring semester 2026 at Karlstad University.

#### Prerequisites

General admission requirements plus upper secondary level Mathematics 2a or 2b or 2c and Civics 1b or 1a1 +1a2, or Mathematics level 2a or level 2b or level 2c and Civics level 1b or level 1a1 +1a2, or equivalent

#### Learning Outcomes

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

1. give an account of how enterprise, information systems, and IT are related,
2. explain how IT can be used to support and develop different parts of a business,
3. describe the external and internal conditions that can promote or curb the use of IT,
4. apply methods and models for analysis, mapping, and assessment of needs in an organisation,
5. map out and model enterprise processes, suggest changes, and demonstrate the effects

of changed use of IT in businesses,

6. give an account of the prerequisites, challenges, and consequences of business development, for the organisation and for IT use,
7. present well-argued proposals for change and material for developing information systems,
8. identify and consider aspects of sustainability in relation to the implementation of digital technology in organisations,
9. identify current professional roles in the IT area.

### **Content**

The course covers approaches, methods, and models for business development. Key concepts such as organisation, information systems, IT, business process, method, and modelling are treated both theoretically and in practice.

Instruction is in the form of lectures/recorded lectures, supervision, practical cases, and seminars.

### **Reading List**

See separate document.

### **Examination**

Assessment is based on a written exam.

Learning outcomes 4, 5, 7, and 8 are also assessed based on a written hand-in assignment completed in groups.

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 Distinction (VG), Pass (G), or Fail (U) 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.