



Faculty of Arts and Social Sciences
Information Systems

Syllabus

Information Systems and IT

Course Code:	ISGA01
Course Title:	Information Systems and IT <i>Informationssystem och IT</i>
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 2017-03-02, and is valid from the Autumn semester 2017 at Karlstad University.

Prerequisites

General admission requirements.

Learning Outcomes

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

- give an account of the components of a computer and their interaction,
- describe the role of software in relation to the hardware,
- give an account of different ways to develop software,
- explain how a computer network is structured,
- give an account of and apply the basic principles of computer security,
- discuss the human-computer interaction,
- describe the role of an information system in enterprise activities, and
- describe the structure and function of an enterprise system in an organisation.

Content

The course treats the basics of the physical and logical construction and function of information systems and their relation to humans and their enterprises. Aspects dealt with are the smallest computer components, equipment, computer types, memory, networks, communication and security, along with the analysis, design and construction of information and enterprise systems and their relation to fundamental administration and information needs. Also treated is the way the enterprise system constitutes a central unit in the company and can give management important information on which to base decisions and realize company strategies and goals.

Reading List

See separate document.

Examination

Assessment is based on a written exam, and oral and written presentations of a group report. Two mandatory laboratory sessions are included on the use of an enterprise system and on information search.

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.