



Faculty of Economic Sciences, Communication and IT
Information Systems

Syllabus

Course Approval

The syllabus was approved by the Faculty Board of Economic Sciences, Communication and IT on 5 December 2012, and is valid from the Autumn semester of 2013 at Karlstad University.

Course Code: ISGA01

Information Systems and IT, 7.5 ECTS Credits

(Informationssystem och IT, 7.5 Swedish credit points)

Degree Level: Bachelor

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

Language of Instruction

Swedish

Prerequisites

General admission requirements.

Major Field of Study

IKA (Information Systems)

Learning Outcomes

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

- describe the components of a computer and their interaction,
- perform basic hardware and software installations,
- describe the role of software in relation to the hardware
- demonstrate familiarity with different software development processes,
- explain how a computer network is structured,
- apply basic computer security,
- explain the computer-human interaction,
- describe the role of an information system in enterprise activities,
- describe the relation of a business system to an enterprise,
- give an account of how the concepts supply chain and controlling customer relations relate to an information system,
- report, discuss and critically review issues relevant to the course orally and in writing.

Content and Form of Instruction

The course treats the basics of the physical and logical construction and function of computer systems, as well as information systems and their relation to humans and their enterprises. Aspects dealt with are the smallest computer components, equipment, computer types, memory, networks, communications 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

Examination is in the form of a written test and oral and written presentations of a report.

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 assessment is based on student views and experiences as reported in written course evaluations and/or group discussions. Students will be informed of the result of the evaluation and of the measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional Information

Students who enrolled before 1 July 2007 will complete their studies in accordance with the requirements of the earlier admission. Upon completion students may request degree and course certificates to be issued under the current ordinance if they meet its requirements.

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

Karlstads universitet 651 88 Karlstad, Sweden
Tel +46-54-700 10 00 Fax +46-54-700 14 60
information@kau.se www.kau.se