



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 9 March 2011, and is valid from the Autumn semester of 2011 at Karlstad University.

Course Code: ISGA90

Introduction to IT Design, 7.5 ECTS Credits

(Introduktion till IT-design, 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

The aim of the course is that students acquire basic knowledge of theories and methods in the fields of computer science, information systems and business administration, and develop the written and oral skills needed for further studies.

Upon completion of the module, 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
- explain central concepts such as enterprise, organisation and IT,
- explain the meaning of IT-projects as a work method and describe methods for developing IT,
- explain the development process of an information system,
- describe the structure of an information system and its role in the enterprise,
- relate course content to current trends and professional roles in the IT-field,
- report, discuss and critically review issues relevant to course content 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 the structure and role of information systems/enterprise systems in organisation. Aspects dealt with are the smallest computer components, equipment, computer types, memory, networks, communications and security along with the design and construction of information systems and the project as a IT-development method. The basic theories of enterprise, enterprise systems and business administration are treated in relation to IT design.

Reading List

See separate document.

Examination

Assessment is based on a written exam and written and oral presentations of a report. A number of mandatory laboratory sessions are included.

Examination based on this syllabus may be completed up to one year after the syllabus is replaced. Two examination opportunities are provided during the first academic year in which the course is not offered, and one in the second year.

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.

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