



Faculty of Arts and Social Sciences
Information Systems

Syllabus

Introduction to IT Design

Course Code:	ISGA90
Course Title:	Introduction to IT Design <i>Introduktion till IT-design</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 module, students should be able to:

- describe the components of a computer and their interaction,
- perform basic hardware installations,
- describe the role of software in relation to the hardware,
- explain how a computer network is structured,
- give an account of and apply the basic principles of computer security,
- give an account of central concepts such as business, organisation, and IT,
- explain the development process of an information system,
- describe the structure of an information system and its role in the business, 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 computer systems in lectures, and in laboratory students build a computer from components. Aspects dealt with are the smallest computer components, equipment, computer types, memory, networks, communications and security along with the design, analysis and structure of information systems and enterprise systems and how these relate to the basic administration of an organisation and demands for information. Basic theories in 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 group reports.

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.