Faculty of Arts and Social Sciences
Information Systems

Syllabus

Acquisition of Information Systems

Course Code:	ISGA03
Course Title:	Acquisition of Information Systems *Anskaffning av IT-system*
Credits:	7.5
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has less than 60 credits in first-cycle course/s as entry requirements (G1F)

Major Field of Study:
IKA (Information Systems)

Course Approval
The syllabus was approved by the Faculty of Arts and Social Sciences 2025-09-09, and is valid from the Spring semester 2026 at Karlstad University.

Prerequisites
Registered for ISGA02 Enterprise and IT, 7.5 ECTS credits, or equivalent

Learning Outcomes
Upon completion of the course, students should be able to:
1. explain what a requirements specification is and how to use it,
2. explain the meaning of IT-related requirements in the form of functional and design/user demands,
3. explain methods and models used to collect, structure, prioritise, and document requirements in textual requirement specifications designed to acquire existing IT systems,
4. apply UML (Unified Modeling Language) to identify, analyse, and document requirements as support for the independent development of IT systems,
5. explain how enterprise needs and requirements specifications interact and the consequences for testing and maintaining requirements,
6. present a written requirements specification for procuring existing IT systems and specification of the architecture of the system as support for the independent development of IT systems, and
7. formulate test cases based on functional requirements.

Content
The course deals with various description and modeling techniques and principles of interaction used for requirement specifications. The course also treats how these can be used in the different stages of the procuring process and their role in acquiring IT solutions and business systems. The course highlights current trends and professional roles involved in establishing, using, and maintaining requirement specifications for the procurement of IT systems. Throughout the course, there is a focus on the importance of gender equality in relation to the course content.

Reading List
See separate document.

Examination
All learning outcomes are assessed based on written hand-in assignments completed in groups. Submissions for assessment must clearly indicate individual contributions.
Learning outcomes 1-5 and 7 are also assessed based on a written exam.

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.