



Faculty of Arts and Social Sciences
Information Systems

Syllabus

Business Simulation and Analytics

Course Code:	ISGB25
Course Title:	Business Simulation and Analytics <i>Affärssimulering och dataanalys</i>
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 2024-03-07, and is valid from the Autumn semester 2024 at Karlstad University.

Prerequisites

30 ECTS credits completed in Information Systems or 30 ECTS credits completed in Business Administration, or a total of 30 ECTS credits completed in a combination of Information Systems and Business Administration, or equivalent

Learning Outcomes

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

1. give an account of basic concepts used for business processes in business systems and in analytics,
2. perform business transactions in business systems in practice and explain them theoretically,
3. account for business processes at the operational level,
4. give an account of how business analytics is used to formulate, analyze, and solve business problems,

5. conduct data analytics and interpret the results in an analytics system in order to improve a business situation,
6. reflect upon how analytics can influence decision-making in an organization, and
7. critically reflect upon ethical issues related to business transactions and data processing.

Content

The course covers the theoretical and practical management of operational business processes and data analyses produced in various systems.

The course examines business systems from technical and business perspectives, including data management and analytics.

Instruction is in the form of lectures, laboratory sessions, workshops, and a group project which includes several supervision sessions.

Reading List

See separate document.

Examination

Learning objectives 1, 3, 4 and 6 are examined through the classroom exam.

Learning objective 3 is also examined through individual written assignments.

Learning objectives 2 and 7 are examined through individual written assignments.

Learning objective 5 is examined through written group work which is presented in a mandatory seminar.

Learning objective 7 is examined through an individual written assignment.

If there are special reasons, or if the student misses the group work seminar, the oral presentation can be replaced with an alternative task after approval by the examiner.

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.