



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 6 April 2011, and is valid from the Autumn semester of 2011 at Karlstad University.

**Course Code:** ISGB03

**Object-Oriented Modeling, 7.5 ECTS Credits**

**(Objektorienterad modellering, 7.5 Swedish credit points)**

**Degree Level:** Bachelor

**Progressive Specialisation:** G1F (First cycle, has less than 60 credits in first-cycle course/s as entry requirements)

### Language of Instruction

Swedish

### Prerequisites

Information Systems 1-30 ECTS credits

### Major Field of Study

IKA (Information Systems)

### Learning Outcomes

Upon completion of the course students should be able to use Unified Modeling Language (UML) to define static and dynamic systems aspects by applying object-oriented concepts for modelling and design.

### Content and Form of Instruction

The course integrates system analysis, systems design and implementation design. The first part of the course deals with the semantics of a graphic language to express object-oriented concepts. Content is based on the class, status and interaction of the models. The second part focuses on the systems design process and develops the student's skills in object-oriented modelling. Instruction is in the form of lectures, seminars and laboratory work.

### Reading List

See separate document.

### Examination

Assessment is based on hand-in assignments, mandatory seminars and a written exam. All laboratory work must also be completed before a course grade is awarded.

### 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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