



Faculty of Arts and Social Sciences  
Information Systems

## Syllabus

### User tests, prototyping and evaluation

<b>Course Code:</b>	ISGC16
<b>Course Title:</b>	User tests, prototyping and evaluation <i>Användartester, prototyping och utvärdering</i>
<b>Credits:</b>	7.5
<b>Degree Level:</b>	Undergraduate level
<b>Progressive Specialisation:</b>	First cycle, has at least 60 credits in first-cycle course/s as entry requirements (G2F)

**Major Field of Study:**  
IKA (Information Systems)

#### Course Approval

The syllabus was approved by the Faculty of Arts and Social Sciences 2018-09-19, and is valid from the Autumn semester 2019 at Karlstad University.

#### Prerequisites

Information Systems 60 ECTS credits, or Computer Science 30 ECTS credits plus Project Management 30 ECTS credits, or equivalent.

#### Learning Outcomes

Upon completion of the course, students should be able to

- explain and discuss the concept of design as used in the fields of multimedia and human-computer interaction,
- evaluate complete web and multimedia products from a user perspective,
- present evaluation results orally and in writing,
- apply user-oriented interaction design methods including various types of prototyping,
- act professionally in their role as interaction designer, which involves the ability to make ethical decisions in connection with user-oriented development activities, and
- evaluate and argue for the needs of the client and the user of websites as well as balance needs against budget.

#### Content

This is a specialisation course on user test methodology. Students practise evaluating design proposals through prototyping and user tests. Special emphasis is on formulating reliable and valid evaluation reports.

Course components:

- user testing in laboratory and home environments,
- practice in using screen recording, sound recording, Ozlab and eye-tracking as evaluation tools,
- evaluating interaction design proposals through the questionnaire method including video file

demonstrations of interaction design proposals

- presenting evaluations to teachers, fellow-students, researchers and practitioners and developing skills in report writing.

Instruction is based on lectures, seminars and laboratory sessions.

### **Reading List**

See separate document.

### **Examination**

Assessment is based on active participation in seminars, group laboratory sessions and group presentations orally and in writing, and a written exam. The written exam involves correcting a faulty test report.

### **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.