Interaktionsdesign 2

The overall aim is for the student to acquire a deepened ability to analyse interaction design in cross-channel settings, critically evaluate and judge their own and others’ work in the course’s discipline, and be able to deploy a sound design practice to apply the design of digital and digital / physical artifacts.

Upon completion of the course, the student is expected to be able to:

Knowledge and Understanding
1. describe the principles, techniques, methods and tools that can be applied to the area of interaction design and user experiences;
2. explain the main features of human cognitive and social processes in relation to design criteria,
3. account for a holistic approach to the design of digital or digital / physical artifacts,
4. communicate theories related to the course’s discipline even to people without expertise in the area, and
5. account for the selection of appropriate evaluation methods in various design phases.

Skills and Abilities
6. analyze techniques, methods and tools for interaction in multi-channel environments,
7. using sound and well-documented techniques, methods and tools to create a qualified design
8. critically analyze and evaluate research, techniques, methods and tools in order to use the most appropriate for a particular task and
9. carry out a design assignment for interaction design.

Judgement and Approach
10. reflect on your own design based on previously identified criteria,
11. evaluate the effects of design results and
12. design a sufficiently detailed strategy for the design of digital and digital / physical artifacts

Content

- The relationship between interaction design user experience information architecture
- Current research in the scientific and professional areas
- Techniques, methods and tools for cross-channel interaction design
- Theories for interface design, behaviour design, conceptual design
- Data gathering methods
- Evaluation methods

Prerequisites
Passed courses of at least 30 Credits in Informatics. Interaction design, 7.5 Credits, or equivalent has to be included. Verified knowledge of English corresponding to the course English B in the Swedish Upper Secondary School.

Goal

The Education Cycle: Second cycle
Main Field of Study (Progressive Specialisation): Informatics (A1N)
Disciplinary Domain: Natural sciences
Subject Area: Informatics/Computer and Systems Sciences
Practical applications

Forms of Teaching
Tuition consists of lectures, seminars, project work and supervision. Tuition is conducted in English. Literature is in English.

Forms of Examination and Grading Scale
The examination consists of three parts:
- a mandatory design project that is solved in teams, documented in a written report and in appropriate deliverables presented at a project showcase with compulsory attendance (learning outcomes 4, 5 and 7-12), and
- a series of seminars, where papers are discussed, and presentations on current topic for the next seminar (learning outcomes 1-3, 6 and 8), and
- a written exam that covers the concepts and theories discussed in lectures, seminars, tutorials and literature (learning outcomes 1-3, 5-6, 7-8 and 10-12).

Group work will account for 73% of the final assessment while the written examination accounts for the remaining 27%

The combined score gives the following course grade:
1. Greater than or equal to 60% but less than 65% gives the grade of E
2nd Greater than or equal to 65% but less than 70% gives the grade of D
3rd Greater than or equal to 70% but less than 80% gives the grade of C
4th Greater than or equal to 80% but less than 90% gives the grade of B
5th Greater than or equal to 90% gives the grade of A

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås

The grading scale for the course is: ECTS-credits

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Literature and Other Teaching Methods
Scientific papers in consultation with the teachers.
Lecture notes and compendium material.

Student Influence and Evaluation
The course is evaluated in accordance with the school's guidelines, in which students' views will be obtained. The results of the evaluation will be published and fed back to participating and prospective students in accordance with the school's guidelines, and will provide the basis for future course and program development.

Miscellaneous
The course is given in the Master programs in Informatics, as well as for international students and as a separate course.