User Centred Systems Design

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Agenda
- Human Computer Interaction
- Goals with the Course
- Introducing the Teachers
- Practicalities about the Course

Goal of the Course
- About the Course
  The aim of this course is to provide practical knowledge in how one applies theories from human-computer interaction in the process to develop prototypes and systems that focuses on usability.
  - The course looks at how to explain and apply the usability concept in specification - design and evaluation work.
  - It also deals with how to account for, categorise and compare different software engineering models.

Content according to Course Syllabus, 5 credit course, page 1(2)
- Introduction to usability and user centred design.
- Introduction to software engineering and software engineering processes.
- Commercial software engineering processes and Rational Unified Process
- Agile development
- Analysis of the context of use
- Requirement specifications and analysis

Content according to Course Syllabus, 5 credit course, page 2(2)
- Use cases
- Techniques for observation interview, contextual design, prototyping and participatory design. Interaction Design from a process perspective
- Evaluation methods and the use of a usability lab.
- Specification of roles and processes for user centred system design.
- Project management and project work
Introduction of teachers

Asa Cajander

Course responsible
Asa has a PhD in HCI. Previously IT consultant 14 years experience of IT, usability and system development.

Rebecka Janols

Rebecka is a PhD student at the department and will show up here and there during the course. Rebecka is course assistant at the course.

Can Kultur

Can works at Bilkent University, Turkey. Can will give a lecture on project management and assist in the project work, and in the examination of the project work in week 11.

Bengt Sandblad

Bengt is professor in Human Computer Interaction and will give an introductory lecture about usability and usability work.

Bengt Göransson

Bengt has a PhD in HCI from Uppsala. He works as a usability designer and has practiced UCSD since 1984. Has written one of the course books.
Lars Oestreicher

Lars has a PhD in HCI from Uppsala University. Lars will give a lecture on evaluation methods in HCI.

Joakim Lööv

Joakim is very experienced and works as a usability expert at Maxwell. Joakim will give a lecture on Agile systems development.

Neil Maiden

City University, London, U.K.
v. 10 mandatory requirements engineering course

Nils-Erik Gustafsson

Very experienced usability expert. Will give lecture on techniques for observation interview, contextual design, prototyping, and participatory design.

Roland Bol

Roland is from the Dep. of IT and will talk about Software Engineering.

Course Literature

- The literature in the course will mainly be scientific articles presented and linked to at the schedule page.
- For those of you that read and understand Swedish a good guide through the course is the book *Användarcentrerad systemdesign* by Jan Gulliksen and Bengt Göransson, Studentlitteratur, 2002.
- One of the following books:
Ms Visio

• You will be using the Visio tool to model your requirements. These requirements can be downloaded from here: http://hcid.soi.city.ac.uk/research/redepend/index.html
  username = redepend; password = redepend123. To get this to work they may have to install the following certificate: http://www.it.uu.se/datordrift/programvara/msdn.asp.
  • The requirements engineering module will be examined by a specific assignment that will be submitted directly to Neil and corrected by him.

Examination

• To be approved for the credits of this course you need to
  – Actively participate in the lectures
  – Read the course literature
  – Perform the assignments
  – NB. No written examination

<table>
<thead>
<tr>
<th>Examination</th>
<th>Project 1 – Customer from Metso</th>
<th>Project 2 – Customer from Uppsala University</th>
<th>Project 3 – Customer from Softw</th>
<th>Project 4 – Customer from Headlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software for use – Constantine &amp; Lookwood</td>
<td>Group 1</td>
<td>Group 4</td>
<td>Group 7</td>
<td>Group 10</td>
</tr>
<tr>
<td>Contextual Design – Beyer and Holzblatt</td>
<td>Group 2</td>
<td>Group 5</td>
<td>Group 8</td>
<td>Group 11</td>
</tr>
<tr>
<td>Usability Engineering – Meyhew</td>
<td>Group 3</td>
<td>Group 6</td>
<td>Group 9</td>
<td>Group 12</td>
</tr>
</tbody>
</table>