



Itä-Suomen ICT-polku

COURSE DATA

BASIC INFO

Name	Human Factors of Interactive Technology		
Code	Savonia: ETX7000 Karelia: LTD6040 UEF: 3621314		
Name in Finnish	Ihminen ja vuorovaikutteinen teknologia		
Credits (ECTS)	5	Grading	0-5
Teaching period	1K		
Language	Finnish		
Type	Savonia: mandatory Karelia: mandatory UEF/TKT: mandatory		



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COURSE DESCRIPTION

Objectives	<p>The student understands how to take usability into account in software engineering processes. The student is capable to design simple user interfaces and knows how to evaluate them with general design guidelines and principles.</p> <p>Course aims to give basic understanding and skills that a designer of interactive technologies needs in the job market. After the course, the student can:</p> <ul style="list-style-type: none">- Analyse human-computer interaction from usability and user experience point of views- Comprehend how usability and user experience measures could be reached with user-centred design approaches- Classify different kinds of devices and interaction styles between a human and a computer- Apply course content when designing and evaluating simple graphical user interfaces
Content	<p>Introduction to human-computer interaction and user-centred design methods</p> <p>Basic concepts, methods, and devices for interaction</p> <p>Usability and user experience</p> <p>Interaction devices and different types of user interfaces</p> <p>Design principles for user interfaces</p> <p>Design and evaluation principles of graphical user interfaces</p>
Modes of study	Mandatory exercises and project
Study materials	Accounted in the beginning of the course
Teaching methods	Online course
Prerequisites	
Other issues	