



## Itä-Suomen ICT-polku

### COURSE DATA

#### BASIC INFO

<b>Name</b>	Programming II – User Interaction		
<b>Code</b>	Savonia: ETA7100 Karelia: LTD6007 UEF: 3621252		
<b>Name in Finnish</b>	Ohjelmointi II – Käyttöliittymäohjelmointi		
<b>Credits</b>	5	<b>Grading</b>	0 - 5
<b>Teaching period</b>	1S		
<b>Language</b>	Finnish		
<b>Type</b>	Savonia: compulsory course Karelia: compulsory course UEF/TKT: compulsory course		



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### COURSE DESCRIPTION

<b>Objectives</b>	After completing the course, the student can design and implement a simple program with graphical user-interface with programming language.
<b>Content</b>	Essential components of graphical user-interface, event-driven programming, record type, storing and reading data, error handling with exceptions, file handling.
<b>Modes of study</b>	Project work
<b>Study materials</b>	Learning material distributed in the course
<b>Teaching methods</b>	Contact teaching in computer class 45 hours; video lectures
<b>Prerequisites</b>	Programming I – Elementary Programming
<b>Other issues</b>	