



## Itä-Suomen ICT-polku

### COURSE DATA

#### BASIC INFO

<b>Name</b>	Software Engineering I		
<b>Code</b>	Savonia: ETA7500 Karelia: LTD6039 UEF: 36211427		
<b>Name in Finnish</b>	Ohjelmistotuotanto I		
<b>Credits (ECTS)</b>	5	<b>Grading</b>	0 - 5
<b>Teaching period</b>	1K		
<b>Language</b>	Finnish		
<b>Type</b>	Savonia: mandatory course Karelia: mandatory course UEF/TKT: mandatory course		



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### COURSE DESCRIPTION

<b>Objectives</b>	After completing the course, student understands the importance of documentation in software projects. Student is able to produce a project card; is able to keep record of your use of time in a software project; is able to produce a final report of a software project, and is able to arrange a quality inspection session. Student is familiar with meeting practices in a project; is able to keep minutes in a project meeting or an inspection; is able to arrange project meetings or inspections. Student knows ways of defining and describing user requirements.
<b>Content</b>	Theory (2 ECTS) and project work (3 ECTS). Requirements engineering. Life cycle models in software engineering. Managing software projects. Introduction to concepts and problems in software engineering. Documentation In the project: project card – estimated project schedule, tracking the project schedule – keeping track of own time use, implementation, final report, inspections and meeting practices, architectural design will be given.
<b>Modes of study</b>	Pre-recorded theory lectures, demo sessions, group work.
<b>Study materials</b>	To be announced at the start of the course.
<b>Teaching methods</b>	Lectures 4h, videos 5h, demos 14h, exam 4h, independent work approx. 80h, group work approx. 20h.
<b>Prerequisites</b>	Programming I - Elementary Programming
<b>Other issues</b>	