



Itä-Suomen ICT-polku

COURSE DATA

BASIC INFO

Name	Programming I - Elementary Programming		
Code	Savonia: ETA7000 Karelia: Elementary Programming, LTD6056 UEF: 3621251		
Name in Finnish	Ohjelmointi I - Ohjelmoinnin perusteet		
Credits	5	Grading	0 - 5
Teaching period	1S		
Language	Finnish		
Type	Savonia: compulsory course Karelia: compulsory course UEF/TKT: compulsory course		



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DESCRIPTION

Objectives	After completing the course, student can solve simple problems and implement a problem solving program with programming language. The student knows the basic parts of programming process, and also the basic concepts of programming and basic programming structures (sequence, condition, selection). The student knows when to use which structure and knows how to use them with programming language. The student is able to inspect programs, which others have made, can change them and test them. The student is able to find, identify and fix programming errors with debugger.
Content	Introduction to programming: inspection of programs, basic programming structures (sequence, condition, selection) and their use, input, output and use of fields, variables, arrays and their use, strings, modularity and functions and debugging.
Modes of study	Exercises, exam with a computer
Study materials	Material distributed in the course.
Teaching methods	Contact teaching in computer class 45 hours; video lectures
Prerequisites	
Other issues	