



Itä-Suomen ICT-polku

COURSE DATA

BASIC INFO

Name	Programming III – Object Orientation		
Code	Savonia: ETA7300 Karelia: LTD6035 UEF: 3621412		
Name in Finnish	Ohjelmointi III – Olio-ohjelmointi		
Credits	5	Grading	0 - 5
Teaching period	1K		
Languge	Finnish		
Type	Savonia: compulsory course Karelia: compulsory course UEF/TKT: compulsory course		



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DESCRIPTION

Objectives	This course deepens the subjects of Programming I and Programming II courses and introduces to programming with Java programming language. After the course students can use object-oriented programming techniques and concepts and also library classes.
Content	Object-oriented paradigm and modelling, classes and instances, data encapsulation, static and dynamic attributes and methods, accessors and mutators, inheritance, polymorphism, abstract classes, interfaces, aggregation and composition, threads, exceptions.
Modes of study	Exercises, exam with computer
Study materials	Learning materials distributed in the course.
Teaching methods	Contact teaching in computer class 45 hours; video lectures
Prerequisites	Programming I - Elementary Programming
Other issues	