



Itä-Suomen ICT-polku

COURSE DATA – STUDY YEAR 2018-2019

BASIC INFO

Name	Introduction to Computing		
Code	Savonia: ETX7400 Karelia: LTD6002 UEF: 3621250		
Name in Finnish	Johdatus tietojenkäsittelyyn		
Credits (ECTS)	5	Grading	0 - 5
Teaching period	1S		
Language	Finnish		
Type	Savonia: mandatory course Karelia: mandatory course UEF/TKT: mandatory course		



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DESCRIPTION

Objectives	After completing the course, student knows what computing is and knows different professional roles for computer scientists, and understands the responsibility and risks of IT professional. Student understands how information is presented, stored and processed using computers, and knows what types of problems can be solved by means of computing.
Content	Information, how it is presented and stored, as well as automatization of information processing. Programming, programming languages, and how programming languages are used to create programs and software. Modelling of information, databases and how information is managed. Limits of computation. Development, design and intelligent systems. Roles and responsibilities of Information Technology professionals.
Modes of study	Exercises, exam
Study materials	Materials distributed during the course. J. Glenn Brookshear: Computer Science: An Overview
Teaching methods	Multi-modal teaching
Prerequisites	
Other issues	