

## Course programme

IFI7184	Programming Workshop		
ECTS credits: 4ECTS	Amount of contact lessons: 32	Teaching semester: Fall	Assessment form: Pass/Fail
Course objectives:	The goal of the course is to bring particular computer and programming skills to the level required by the studies. To create opportunities for the development of Java-based applications. To introduce programming basis and object-oriented principles using Java programming language.		
Brief description of course content:  (including the description of the independent work)	<p>The course is an update to particular software skills, hardware and network know-how for students outside of computer science. Includes introduction to basic programming, especially Java, with development of applications for small problems.</p> <p>Students are expected to perform small practical exercises and homework assignments during this course. Equivalent to 68 hours of independent.</p>		
Learning outcomes:	Having successfully completed the course, students will be able to improve their basic skills in programming.		
Assessment Methods:	Pass/Fail assessment.		
Lecturer(s):	Sonia Sousa, PhD Romil Rõbtšenkov		
Course title in Estonian:	Programmeerimise töötuba		
Prerequisite course(s):	None specific		
Compulsory literature:	The course materials are available in the course cloud service (Gdrive)		
Replacement literature:	<p>Lewis, John and Logus, William (2011) Java Software Solutions: Foundations of Program Design, 7/E Addison Wesley. Boston. ISBN13: 9780132149181.</p> <p>Deitel, Deitel, Paul and Deitel, Harvey (2011) Java How to Program, 9/ e. Prentice Hall. Boston. ISBN-13: 9780132575669.</p>		
Participation and exam	For students to pass, each student is required to attend 70% of the		

requirements:	<p>lessons, present and defend orally his/her assignments and perform a practical exam.</p> <p>To pass the student has to be graded 60% or more.</p>
Independent work:	Students will be expected to do practical exercises performed in class; and homework assignments performed in-between lessons.
Grading criteria scale or the minimum level necessary for passing the subject:	Grading criteria: The homework assignments (35%), practical exam (50%), defence (15%).
<p>Information about the course:</p> <p>(Topics by contact session, deadlines of independent works and exams/assessments times)</p>	<p>Schedule:</p> <p>3.09.15 (4 hours): Programming languages, basic programming development and Variables and Types.</p> <p>17.09.15 (4 hours): Variables and Types</p> <p>1.10.15 (4 hours): Simple commands and syntax.</p> <p>15.10.15 (4 hours): Logical Operators.</p> <p>29.10.15 (4 hours): Logical Operators.</p> <p>12.11.15 (4 hours): Decision Structures.</p> <p>26.11.15 (4 hours): Decision Structures.</p> <p>10.12.15 (4 hours): Present his/her assignments + Exam</p>

Teaching Unit in charge:	Institute of Informatics
Course programme is prepared by:	Sonia Sousa
Date:	3.08.15

The course program is registered in the academic unit:

Date:	19.08.15
Name of academic coordinator:	Ingrid Sander