Course programme

Course code: IFI7314.DT	END-USER COMPUTING		
ECTS credits: 4	Amount of contact lessons: 24	Teaching semester: Fall	Assessment form: Pass/Fail
Course objectives:	The goal of the course is to bring computer and programming skills to the level required by the studies. It focus on object oriented language principles and guide end-users towards application development practices. Provides necessary software development foundations. As well creates the necessary skills to be confident in the developing interactive systems.		
Brief description of course content: (including the description of the independent work)	This course comprises of two main parts: 1. A technological part – related with implementing efficient applications. Specifically refers to the programming environments, language and standards. 2. The methodological part – necessary programming methods, techniques and processes to develop some interactive functionalities. As well as comprise of different approaches to tackle when developing applications. Students will be expected to do practical exercises performed in class; and homework assignments performed in-between lessons.		
Learning outcomes:	Having successfully completed the course, students will be able to demonstrate programming skills and will be confident to develop and/or reuse basic interactive applications.		
Assessment methods:	Pass or Fail assessment.		
Teacher(s):	Sónia Sousa, Ph.D. Amir Zare Pashai, MSc		
Subject name in Estonian:	Lõppkasutaja tarkvaraarendus		
Prerequisite subject(s):	None.		
Compulsory literature:	There is no required literature in the sense of a physical book. A list of reading materials will be assigned by the teachers and provided on the course blog.		
Replacement	To be discussed with teacher.		

<table>
<tr><td>literature:</td><td>Lewis, John and Logus, William (2011) Java Software Solutions: Foundations of Program Design, 7/E Addison Wesley. Boston. ISBN13: 9780132149181.
Deitel, Deitel, Paul and Deitel, Harvey (2011) Java How to Program, 9/e. Prentice Hall. Boston. ISBN-13: 9780132575669.</td></tr>
<tr><td>Participation and exam requirements:</td><td>For students to pass: each student is required to attend 70% of the lessons, do the assignments and perform a practical exam and be graded 60% or more.</td></tr>
<tr><td>Independent work:</td><td>Students will be expected to do practical exercises performed in class; and homework assignments performed in-between lessons.</td></tr>
<tr><td>Grading criteria scale or the minimum level necessary for passing the subject:</td><td>The grading criteria: Individual assignments (25%), practical exam (50%), in class exercises (25%).</td></tr>
<tr><td>Information about the course:

(Topics by contact session, deadlines of independent works and exams/assessments times)</td><td>
<table>
<tr><th>Date and time</th><th>Form of study and course content by topic</th></tr>
<tr><td>08.09 (12:15 - 15:45)</td><td>Building blocks of programing [4h]</td></tr>
<tr><td>22.09 (12:15 - 15:45)</td><td>Simple commands and syntax [4h]</td></tr>
<tr><td>06.10 (12:15 - 15:45)</td><td>Condition & Loops [4h]</td></tr>
<tr><td>03.11 (12:15 - 15:45)</td><td>Method and Class Anatomy [4h]</td></tr>
<tr><td>17.11 (12:15 - 15:45)</td><td>Method and Class Anatomy [4h]</td></tr>
<tr><td>01.12 (12:15 - 15:45)</td><td>Classes and Objects [4h]</td></tr>
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Teaching Unit in charge:	School of Digital Technologies
Course programme is prepared by:	Sónia Sousa
Date:	14.08.17

The course program is registered in the academic unit:

Date:	21.08.2017

Name of academic coordinator:	Kristi Oikimus