

Course Program

Subject code IFI7174	Subject Name: Web Workshop		
Study load – credit points (ECTS/EAP) (1 ECTS equals to 26 hours or one week of studies and contain up to 13 hours of lectures and at least 13 hours of independent study work.) 4 ECTS	Load of contact hours: lectures/ workshops/ seminars e-supported course, 40 hours contact, 68 hours independent work	Study semester: Fall/ Spring A2 – Second half of the fall semester;	Exam or Assessment Graded
Objectives:	This course enables students to develop responsive Web prototypes. It recaps HTML, CSS and JavaScript principles and introduces the responsive Web building blocks. The course, also allows students to develop their first responsive Web prototypes.		
Course Outline	<p>Web development</p> <ol style="list-style-type: none"> (1) HTML; (2) Coding HTML. (3) CSS; (4) Coding CSS; (5) JavaScript; (6) Coding JavaScript. <p>Design challenges</p> <ol style="list-style-type: none"> (1) Responsive Web design; (2) Coding the responsive Web. 		
Learning Outcomes:	Having successfully completed the course, students will be able to code responsive Web prototypes.		
Assessment Methods:	<p>Assessment quotation is distributed as follows:</p> <p>The small exercises performed in class (35%), a project (45%) and the presentation and defence of the projects (15%), participation (5%).</p>		
Teacher(s):	Sónia Sousa		
Subject name in Estonian	Veebiarenduse töötuba		
Prerequisite subject(s):	None specific.		
Compulsory Literature	<ol style="list-style-type: none"> (1) Study material will be published in the beginning of the course. (2) Duckett, Jon. HTML&CSS design and build websites. John Wile & 		

	<p>Sons, ISBN: 978-1.118-00818-8, 2011.</p> <p>(3) Marcotte, Ethan. Responsive Web Design, ISBN 978-0-9844425-7-7, 2011.</p> <p>(4) JavaScript W3Schools tutorials.</p>
<i>Replacement Literature</i>	<p>(1) Keith, Jeremy. HTML5 for web designers, ISBN 978-0-9844425-0-8, 2010.</p> <p>(2) Cederholm, Dan. CSS3 for Web Designers, ISBN 978-0-9844425-2-2, 2010.</p> <p>(3) W3Schools tutorials</p>
<i>Participation and Exam requirements</i>	<p>Max number of participants (depending on the workspaces in lab).</p> <p>Conditions for taking re-assessment:</p> <p>(1) Students are required to participate in 30% out of the foreseen contact hours.</p> <p>(2) Students are required to participate in a group project.</p>
<i>Independent work</i>	<p>Students will be expected to:</p> <p>(1) work on exercises (performed in class);</p> <p>(2) to do individual and collaborative work tasks.</p> <p>Students should, also expect to:</p> <p>(1) participate in feedback sessions during the course (those will be used mainly to consolidate and structure problem-oriented learning sessions).</p> <p>Students will be asked to:</p> <p>(1) develop a small project and it is expected that they spend about three times as long doing it as they spend doing the exercises in class. The amount of independent work expected is equivalent to 68 hours.</p>
<i>Grading criteria scale or the minimal level necessary for passing the subject</i>	<p>Grading criteria (on the acquisition of conceptual and technical and practical skills):</p> <p>A - excellent: fully designed and implemented the exercises and project tasks. Show enough confident in their coding skills.</p> <p>B - very good: partially designed and implemented the exercises and project task. Show some confident in their coding skills.</p> <p>C - good: partially designed but partially implemented the projects. Show a generic comprehension in coding skills.</p> <p>D - satisfactory: partially designed but partially implemented the projects. Show a elementary comprehension in coding skills.</p> <p>E - sufficient: partially designed but partially implemented the projects. Show basic comprehension in coding skills.</p> <p>F - fail: - less than 50% of the work is done. More work is required before the credit can be awarded.</p>

<p><i>Information about the course</i></p>	<p>Tentative Course Schedule</p> <p>October 3 – from 12:30 until 15:30</p> <ul style="list-style-type: none"> (1) HTML recap: text, lists, links, images, tables, and forms. (2) Examples. (3) Coding by example. <p>October 4 – from 12:30 until 15:30</p> <ul style="list-style-type: none"> (1) CSS recap: color, text, boxes, lists, tables, forms, layout and images. (2) Examples. (3) Coding by example. <p>October 17 - from 12:30 until 15:30</p> <ul style="list-style-type: none"> (1) JavaScript recap: statements, comments, variables, data types, objects, functions, operators, conditions, loops, breaks and validation. (2) The DOM. (3) Examples. (4) Coding by example. <p>October 18 - from 12:30 until 15:30</p> <ul style="list-style-type: none"> (1) Coding by example in HTML, CSS and JavaScript. <p>October 31 - from 12:30 until 15:30</p> <ul style="list-style-type: none"> (1) Responsive Web: the flexible grid, flexible images and media queries. (2) Examples. <p>November 1 - from 12:30 until 15:30</p> <ul style="list-style-type: none"> (1) Coding the responsive Web by example. <p>November 14 - from 12:30 until 15:30</p> <ul style="list-style-type: none"> (1) An initial responsive web prototype. <p>November 15 - from 12:30 until 15:30</p>

	<p>(1) Prototype development.</p> <p>November 28 - from 12:30 until 15:30</p> <p>(1) Prototype development.</p> <p>November 29 - from 12:30 until 15:30</p> <p>(1) Prototype presentations.</p> <p>December</p> <p>(1) Exam evaluation [exercises performed in class (35%) + project (45%) + presentation and defence of the projects (15%) + participation (5%)]</p>
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