

## Course programme – IFI6056 Creating Web Pages

Course code IFI6056	Creating Web Pages		
ECTS credits: 3	Contact hours: 28	Semester: Autumn	Exam
Course objective:	The objective of the course is to provide theoretical knowledge (basics of design etc) and practical skills to help students to develop ability to design, create and modify web pages.		
Brief description of course content:	<p>History of the web. How web Works. Tools for creating web pages. HTML language. Preparation of graphics for web. Basic principles of web design. Using CSS styling sheets. Simple interactivity using Javascript. Media clips on web.</p> <p>Course consists of seminar type lectures and practical classes where students are expected to be actively involved.</p> <p>Independent work: In addition every student must submit individual assignment, where (s)he demonstrates the ability and skill of creation of web pages.</p>		
Learning outcomes:	<p>After this course student</p> <ul style="list-style-type: none"> <li>• knows and understands how web works, how web pages are created;</li> <li>• is able to create static web pages using HTML language;</li> <li>• is able to format web page using CSS language;</li> <li>• is able to prepare graphics for web;</li> <li>• is able to add different media elements to web page;</li> <li>• is able to add simple interactivity to web page using Javascript.</li> </ul>		
Assessment methods:	Exam. Prerequisite for access to exam is active participation at lectures and submission of all individual assignments.		
Responsible lecturer:	Andrus Rinde		
Title in Estonian:	Veebilehtede loomine		
Prerequisite course:	-		
Compulsory literature:	Lecturer's notes		
Replacement literature:	To pass this course student must participate in classes.		
Subscription to the course and exam:	<p>Number of participants depends on size of computer lab.</p> <p>To access to exam student must submit all homework for deadline.</p>		
Requirements for independent work:	<p>Students must submit individual assignments, where he/she demonstrates the ability and skill of design and creation of static web pages.</p> <p>Homework descriptions and deadlines are available on web page:</p>		

	<p><a href="http://www.cs.tlu.ee/~rinde/oppetoo/2013/www/group">www.cs.tlu.ee/~rinde/oppetoo/2013/www/group</a>).</p> <p>Each individual assignment must be at least 60% completed.</p>
<p>Assessment criteria:</p>	<p>Each higher level includes all the lower levels.</p> <p>1. Creating web page using online tools</p> <p>A – Is able to add resources from other web pages to his/her web page.</p> <p>B – Is able to add different widgets and resources to his/her web page (calendar, map, image gallery etc) offered by online environment.</p> <p>C – Is able to modify the appearance of her/his web page.</p> <p>D – Is able to create web site containing multiple pages, add or remove pages.</p> <p>E – Is able to create account to online environment offering free web hosting and web creation tools. Is able to create simple template based web page.</p> <p>2. HTML language</p> <p>A – Is able to link elements from other web pages/environments to her/his web page, add Javascript and RSS feed.</p> <p>B – Is able to link CSS stylesheets to his/her web page, add content from other web pages.</p> <p>C – Is able to add tables to web page, add hyperlinks to different areas of images, validate web page.</p> <p>D – Is able to add hyperlinks and lists to her/his web page.</p> <p>E – Is able to create basic static web page with title(s), text and graphics.</p> <p>3. CSS styling sheets</p> <p>A – Is able to use inline style sheets, combine different css files, classes, use pseudo classes and different selectors.</p> <p>B – Is able to determine the size and position of elements of web page.</p> <p>C – Is able to use css classes, combine multiple styles.</p> <p>D – Is able to create format for hyperlinks, lists, tables.</p> <p>E – Is able to use css to apply basic formatting to the background and text on web page. Is able to link css file to html document.</p>
<p>Information about the content of the course:</p>	<p>The classes take place on Tuesday's at 10:15 – 11:45</p>

Week 1 – September 3	Lecture: Introduction to course, history of web, how it works. Ways of creating web pages. Exercise: Creating web page using online tools.
Week 2 – September 10	Lecture: HTML language, syntax, standards. Exercise: Creating simple static web page. Using FTP to upload html file to web server.
Week 3 – September 17	Exercise: Lists, images and hyperlinks on web page. Some formatting elements. Document type declaration, validation of web page.
Week 4 – September 24	Exercise: Tables on web page. Interactive image.
Week 5 – October 1	Exercise: Elements for organizing content on the web page. Using media clips on web.
Week 6 – October 8	Lecture: Basic design principles for web.
Week 7 – October 15	Lecture: principles and syntax of CSS. Exercise: CSS basic tools for background and text.
	WEEK FOR INDIVIDUAL WORK. NO CLASSES.
Week 8 – October 29	Exercise: CSS classes. CSS tools for size and position of elements of web page.
Week 9 – November 5	Exercise: Preparation of graphics for web. Image Slice.
Week 10 – November 12	CSS tools for different elements of web page.
Week 11 – November 19	CSS3 and HTML5 additional tools, new selectors in CSS3.
Week 12 – November 26	Exercise: Transformations and animations with CSS3.
Week 13 – December 3	Exercise: Adding interactivity with Javascript. RSS.
Week 14 – December 10	Exercise: Q & A.

Õppeainet kureeriv üksus:	Informaatika Instituut
Kursuseprogrammi koostaja	lekt. Andrus Rinde
Allkiri:	

Kuupäev:	19.08.2013
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Kursuseprogramm registreeritud akadeemilises üksuses

Kuupäev	
Õppeassistendi nimi	Jana Tomson
Allkiri	