



**UNIVERSITY OF PRIZREN
FACULTY OF COMPUTER SCIENCE**

PROGRAM: TIT - BOS

Curriculum - – SYLLABUS							
<i>Level of studies</i>	Bachelor	<i>Program</i>	TIT-Bos	<i>Academic year</i>	2018/2019		
<i>SUBJECT</i>	Introduction to Web Languages and Technologies						
<i>Year</i>	I	<i>Status Of the subject</i>	Electoral	<i>Code</i>		<i>ECTS credits</i>	6
<i>Semester</i>	II						
<i>Teaching weeks</i>	15		<i>Hours teaching</i>		<i>Lectures</i>	<i>Exercises</i>	
<i>Teaching Methodology</i>	Lectures, exercises, consultations, tests, case studies					2	2
<i>Consultation</i>	1 hour a week						
<i>The teacher</i>	Fadil Novalić		<i>E-mail:</i>	fadilnovalic@gmail.com			
			<i>Tel.:</i>	+ 381 69 232 89 56			
<i>Assistant</i>	Mirsad Bajrami		<i>E-mail:</i>	mirsadbajrami@ymail.com			
			<i>Tel.:</i>				

Study goal and table of content	Benefits of student
<p>Students need to get acquainted with basic elements of Web technology and Web languages and learn how to create a website.</p> <p>HTML: create a web page, tag elements that make up a web page (header, background, paragraph, text, tables, images, links, forms).</p> <p>CSS: Linking HTML code with CSS code, background, text, fonts, lists, positioning elements, frame, work with transitions.</p>	<p>After the course, each student is expected to be able to:</p> <p>Design and implement web pages using HTML and CSS with simple interactivity and/or animation.</p> <p>Validate web pages for use with different browsers.</p>

Methodology for the implementation of educational topics:		
The learning outcomes are achieved through a combination of lectures, supervised practical work and independent study/practice. PowerPoint presentations are used in the lectures.		
Conditions for realization of educational topics:		
<ul style="list-style-type: none"> Classroom equipped with computer and projector; Computer laboratory with Internet connection 		
Ways of assessing of the student (in %) :	Evaluation in%	Final grade
<ul style="list-style-type: none"> 50% from 2 Lab. Projects 50% Final exam 	0-50	5 (five)
	51-60	6 (six)
	61-70	7 (seven)
	71-80	8 (eight)
	81-90	9 (nine)
	91-100	10 (ten)
	0-50	5 (five)
Total	100.00 %	
Obligations of student:		
Lectures	Exercises	
74	76	

Activities	Hour/ weeks	Days/Weeks		
Lectures	2	15	30	
Laboratory exercises	2	15	30	
Contacts with teachers / consultations	1	15	15	
Practical work	2	5	10	
Projects, presentations, etc.	0,5	10	5	
Own study time	3	14	42	
Preparation for final exam	2	6	12	
Time spent in the assessment (tests, final exam, etc.)	2	3	6	
Notice: 1 ECTS credits= 25 hour commitment, e.g. if the subject has 6 ECTS credits student must have 150 hours during the semester commitment.		Total load:	150	
Week	Lectures	Hour	Exercises	Hour
	Topic		Topic	
1	Basics of WEB: Web page, Web site, URL, Web browser Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.	2	Displaying Web Pages, Websites, Example URLs and Web Browsers (Google Chrome, Opera, Firefox) Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.	2
2	WEB Basics: Domain Name System - DNS, Hosting, Domain, Web Server, Web Searches Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.	2	An example of registration of domain and lease of Web hosting, Use of Web Searches Google and Bing Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.	2
3	HTML - HyperText Markup Language: - Markup language - Principles of the functioning of the website - Start building a website - HTML structure - HTML tags - Work with text in HTML Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.	2	Getting to know Dreamweaver Set up a local site and create an index page. Literature: 3. Miljenko Rebernišak, Stefan Kostić, M.Sc. Dražen Drašković, Adobe Dreamweaver CS4, Elektrotehnički fakultet Univerziteta u Beogradu, Beograd, 2012.	2
4	HTML - HyperText Markup Language: - Working with graphics - Hyperlinks Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.	2	Web site design: - Working with graphics - Hyperlinks Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, HTML kurs, preuzeto sa tutoriali.org/HTML_kurs.html w3schools, HTML5 tutorial, www.w3schools.com/html/default.asp	2
5	HTML - HyperText Markup Language: - Working with multimedia files - Working with frames - Working with tables - Organization of content using CSS Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.	2	Web site design: - Working with multimedia files - Working with frames - Working with tables - Organization of content using CSS Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, HTML kurs, preuzeto sa tutoriali.org/HTML_kurs.html w3schools, HTML5 tutorial, www.w3schools.com/html/default.asp	2
6	HTML - HyperText Markup Language: - HTML forms - Meta tags - xHTML	2	Web site design: - HTML forms - Meta tags - xHTML	2

	Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.		Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, HTML kurs, preuzeto sa tutoriali.org/HTML_kurs.html w3schools, HTML5 tutorial, www.w3schools.com/html/default.asp	
7	<p>HTML 5:</p> <ul style="list-style-type: none"> - Apply HTML 5 to the beginning of the web page - Apply HTML 5 to the organization of the page - Apply HTML 5 for visual effects - HTML 5 forms tags - HTML 5 tag <time> - Work with audio and video files <p>Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.</p>	2	<p>Web site design:</p> <ul style="list-style-type: none"> - HTML 5 forms tags - HTML 5 tag <time> - Work with audio and video files <p>Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, HTML kurs, preuzeto sa tutoriali.org/HTML_kurs.html w3schools, HTML5 tutorial, www.w3schools.com/html/default.asp</p>	2
8	<p>HTML 5:</p> <ul style="list-style-type: none"> - New types of tags <input> - New attributes - Working with Canvas - Work with geolocation - Web storage API <p>Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.</p>	2	Colloquium I	2
9	<p>CSS - Cascading Style Sheets:</p> <ul style="list-style-type: none"> - CSS file structure - CSS selectors - Linking HTML code with CSS code <p>Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.</p>	2	<p>Web site design:</p> <ul style="list-style-type: none"> - CSS selectors - Linking HTML code with CSS code <p>Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, CSS priručnik, preuzeto sa tutoriali.org/css_prirucnik.html w3schools, CSS Tutorial, www.w3schools.com/css/default.asp</p>	2
10	<p>CSS - Cascading Style Sheets:</p> <ul style="list-style-type: none"> - CSS properties (background, text, fonts, lines and lists) <p>Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.</p>	2	<p>Web site design:</p> <ul style="list-style-type: none"> - CSS properties (background, text, fonts, lines and lists) <p>Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, CSS priručnik, preuzeto sa tutoriali.org/css_prirucnik.html w3schools, CSS Tutorial, www.w3schools.com/css/default.asp</p>	2
11	<p>CSS - Cascading Style Sheets:</p> <ul style="list-style-type: none"> - Properties in CSS for positioning and displaying <p>Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.</p>	2	<p>Web site design:</p> <ul style="list-style-type: none"> - Properties in CSS for positioning and displaying <p>Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, CSS priručnik, preuzeto sa tutoriali.org/css_prirucnik.html w3schools, CSS Tutorial, www.w3schools.com/css/default.asp</p>	2

12	CSS - Cascading Style Sheets: - Example of site organization using CSS	2	Web site design: - Organization of the site using CSS	2
	Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.		Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, CSS priručnik, preuzeto sa tutoriali.org/css_prirucnik.html w3schools, CSS Tutorial, www.w3schools.com/css/default.asp	
13	CSS - Cascading Style Sheets: - Positioning the elements - Conditional comments - Units in CSS - Examples of partial applications	2	Web site design: - Positioning the elements - Conditional comments - Units in CSS	2
	Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.		Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, CSS priručnik, preuzeto sa tutoriali.org/css_prirucnik.html w3schools, CSS Tutorial, www.w3schools.com/css/default.asp	
14	CSS 3: - The border property - Property background - Text properties - Examples of the application of HTML 5 and CSS 3 code	2	Web site design: - CSS 3 Properties (border, background, text properties)	2
	Literature: Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017.		Literature: Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. Tutoriali.org, CSS priručnik, preuzeto sa tutoriali.org/css_prirucnik.html w3schools, CSS Tutorial, www.w3schools.com/css/default.asp	
15	Presentation of seminar papers by students	2	Colloquium II	2

LITERATURE:
<ol style="list-style-type: none"> 1. Nenad Kojić, Web design, Univerzitet Singidunum, Beograd, 2017. 2. Josh Hill, James A. Brannan, HTML5 i CSS3: briljantno, CET, Beograd, 2011. 3. Miljenko Rebernišak, Stefan Kostić, M.Sc. Dražen Drašković, Adobe Dreamweaver CS4, Elektrotehnički fakultet Univerziteta u Beogradu, Beograd, 2012. 4. Tutoriali.org, HTML kurs, preuzeto sa http://tutoriali.org/HTML_kurs.html 5. Tutoriali.org, CSS priručnik, preuzeto sa http://tutoriali.org/css_prirucnik.html 6. w3schools, HTML5 tutorial, https://www.w3schools.com/html/default.asp 7. w3schools, CSS Tutorial, https://www.w3schools.com/css/default.asp
NOTICE:
Students will receive instructional material in the Bosnian language for each topic. Lectures and exercises will also be in Bosnian language. PowerPoint presentations will be used for lectures
Notice for the student:
Students are required to attend lectures and exercises, to participate in project and practical tasks and to come at regular consultations. This will enable them to easily master teaching materials and achieve a high level of knowledge.