



## UNIVERSITY OF MITROVICA “ISA BOLETINI”

<b>Course Curriculum Model (Syllabus)</b>		
<b>Faculty:</b>	Faculty of Mechanical and Computer Engineering	
<b>Department:</b>	Computer Science and Engineering	
<b>Level:</b>	VI	
<b>Code of the course:</b>	105-CSE	
<b>Course:</b>	Internet and Web Technologies	
<b>Course Status:</b>	Obligatory	(mandatory)
<b>Semester:</b>	I	(winter)
<b>Number of hours per week:</b>	3+2	
<b>ECTS:</b>	4	
<b>Time / location:</b>		
<b>Year of studies:</b>	I	
<b>Lecturer:</b>	Ass. Berat Ujkani, PhD Cand.	
<b>Assistant:</b>		
<b>Contact details:</b>	Lecturer	Assistant
Email:	berat.ujkani@umib.net	
Tel:	049 66 99 49	

<b>Content</b>	This course is an introduction to programming for the World Wide Web. We will learn about the relationship between clients and servers, how web pages are constructed, and how the internet works. We'll examine several technologies in depth: HyperText Markup Language (HTML) for authoring web pages, Cascading Style Sheets (CSS) for applying stylistic information to web pages, JavaScript for creating interactive web pages.
<b>Purpose</b>	The aim of this course are to provide a working knowledge of the Internet, to develop individual and group communication skills, and to provide essential information technology (IT) skills. By the end of the course the students should understand and be able to explain the principles of Internet communication, be able to use the Internet as a practical tool for information gathering, understand the World Wide Web, and be able to write a hypertext document using HyperText Markup Language (HTML), be able to communicate their ideas more effectively, both orally and in writing, and have a greater understanding of group dynamics, both as a group member and a group leader.

<b>Accessibility</b>	Upon successful completion of the course, students will be able to: <ol style="list-style-type: none"> <li>1. Learn the nature of the web.</li> <li>2. Understand the structure of the Internet and the Web.</li> <li>3. Be able to write a hypertext document using Mark-up Languages (HTML).</li> <li>4. Study and apply the basics of Cascading Style Sheets (CSS).</li> <li>5. Learn and apply CSS frameworks such as Twitter Bootstrap.</li> <li>6. Learn and understand the fundamentals of the JavaScript programming language.</li> </ol>	
<b>Program</b>	<b>weeks</b>	<b>Lecture</b>
	<b>First week:</b>	Course Overview; What is the Internet
	<b>Second week:</b>	Introduction to Web Programming
	<b>Third week:</b>	HTML
	<b>Fourth week:</b>	Creating HTML Forms
	<b>Fifth week:</b>	More HTML
	<b>Sixth week:</b>	CSS Properties and Colors
	<b>Seventh week:</b>	CSS Typography
	<b>Eighth week:</b>	Advanced CSS
	<b>Ninth week:</b>	Layout Methods
	<b>Tenth week:</b>	Media-Specific Styles
	<b>Eleventh week:</b>	Responsive Web Design with Bootstrap
	<b>Twelfth week:</b>	Programming Using JavaScript
	<b>Thirteenth week:</b>	JavaScript in the Browser
	<b>Fourteenth week:</b>	Intro to the DOM
<b>Fifteenth week :</b>	More JavaScript	
<b>Literature</b>	<b>Principal literature:</b> <ul style="list-style-type: none"> <li>● Robert W. Sebesta, World Wide Web, 2014</li> </ul> <b>Recommended Literature:</b> <ul style="list-style-type: none"> <li>● Hans Petter Langtangen, An Introduction to XML and Web Technologies, 2016</li> <li>● W3Schools, “W3Schools Online Web Tutorials”, <a href="http://www.w3schools.com/">http://www.w3schools.com/</a>, last visited January 2021</li> </ul>	

<b>Teaching methodology</b>	<ul style="list-style-type: none"> <li>● Lecture</li> <li>● Discussion</li> <li>● Group work</li> <li>● Exercises</li> <li>● Homework</li> <li>● Real world projects</li> </ul>																																																				
	<p style="text-align: center;"><b>Contribution to student workload (which should correspond to student learning outcomes - 1 ECTS credit = 25 hours)</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Activity</th> <th style="text-align: center;">Hours</th> <th style="text-align: center;">Days/weeks</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td style="text-align: center;">3</td> <td style="text-align: center;">15</td> <td style="text-align: center;">45</td> </tr> <tr> <td>Exercise sessions (with TA)</td> <td style="text-align: center;">2</td> <td style="text-align: center;">15</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Practical work</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Office hours</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Fieldwork</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Midterms, seminars</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Homework</td> <td style="text-align: center;">1</td> <td style="text-align: center;">10</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Self-study</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">10</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Final exam preparation</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Time spent in exams</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Projects, presentations, etc</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">8</td> <td style="text-align: center;">4</td> </tr> <tr> <td><b>Total</b></td> <td></td> <td></td> <td style="text-align: center;"><b>100</b></td> </tr> </tbody> </table>	Activity	Hours	Days/weeks	Total	Lectures	3	15	45	Exercise sessions (with TA)	2	15	30	Practical work				Office hours				Fieldwork				Midterms, seminars				Homework	1	10	10	Self-study	0.5	10	5	Final exam preparation	1	5	5	Time spent in exams	1	1	1	Projects, presentations, etc	0.5	8	4	<b>Total</b>			<b>100</b>
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<b>Academic policies</b>	<p><b>Essential instructions;</b> The regular presence of students during course lecturers and exercises is obligatory. All seminar works that need to be submitted in written form are to be provided in printed format. It is obligatory that the visual and the content aspect of the required works is fully respected. Additionally, it is mandatory that all work adhere fully to the language spelling rules and APA style for citing sources.</p> <p><b>Further instructions:</b> The students are required to prepare their seminar works on independent basis. There will be no tolerance for cases where the students have copy and paste materials written by someone else or from the Internet without detailed citation and source. All cases where the source is not cited, are treated as plagiarism and accordingly will be negatively assessed during the final evaluation of the student.</p> <p><b>Ethics in teaching:</b> Active participation of students in lectures Participation in discussion and comments Mandatory independent work by utilizing alternative sources of information Respect for lecture time schedules and no usage of cellular phones during lectures or e Low tolerance for late arrivals and departures without valid reasons Distribution of slides and teaching materials by the lecturer.</p> <p><b>Deadlines</b> The deadlines for submission of seminars will be agreed in advance with students; Students are for to deliver their work within the agreed submission deadline Failure to arrive at the time when the assignment is explained does not justify the student for not submitting the seminar work. In case of any travel or envisaged absence, the student has to submit in advance the assigned seminar work. The student is entitled to request a consultation with the lecturer whenever he/she deems it reasonable and necessary for the performance of his/her work.</p>
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**Course provider:**

Ass. Berat Ujkani, PhD Cand.

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