

<b>Study program:</b> Informatics			
<b>Course title:</b> E-Business			
<b>Professor/assistant:</b> Zoran D. Mirović			
<b>Type of course:</b> Compulsory			
<b>ECTS credits:</b> 6			
<b>Prerequisites:</b> none			
<b>Aims of the course:</b> Students get acquainted with basic postulates and concepts of e-business, e-commerce infrastructure, basic and advanced technologies for developing internet applications. Introducing students to the basic content management system (CMS).			
<b>Learning outcomes:</b> After passing the exam the student is trained to independently create software solutions applying following technologies (one of CMS systems, WordPress, Joomla, nopCommerce – for internet shops and HTML5, CSS, JavaScripts, JQuery, AngularJS, AJAX... - for personal sites) and demonstrate elementary practical and theoretical knowledge of these technologies.			
<b>Syllabus:</b> <i>Theoretical part:</i> The Internet as a support for completing business processes. Fundamental postulates and concepts of e-business. Infrastructure of e-commerce, concepts of management and informatics. Strategic planning and e-commerce. CMS systems and a development of internet stores (WordPress, Joomla, nopCommerce...). Cloud computing, Data Center, systems based on servers, Microsoft, Google, PayPal... Technologies based on JavaScript, JQuery, AngularJS, AJAX, JQueryUI – JavaScript library of elements for the layer of user interface application. Presentation of development of simple solutions, use and application of gained knowledge. Presentation of term papers on given/chosen subject. <i>Practical part:</i> Practical classes where the mentioned subjects are analyzed in detail. Students first use simple text editors for HTML5 projects and later Visual studio.NET and some CMS systems.			
<b>Literature:</b> 1. HTML5, CSS, JavaScript, J. Gauchart, Mikro knjiga, 2014 2. jQuery 2.0 Development Cookbook, Leon Revill, Packt Publishing, 2015. 3. JavaScript: Sveobuhvatni vodič, David Flanagan, Mikro knjiga, 2008.			
<b>Total number of active classes: 75</b>		<b>Lectures: 45</b>	<b>Practical classes: 30</b>
<b>Teaching methods:</b> Lectures and practical classes.			
<b>Grading system</b> (maximum 100 points) grading scale from 5 to 10: below 51 points – student fails the exam, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.			
<b>Pre-exam obligations:</b>	<b>Points:</b>	<b>Final exam:</b>	<b>Points:</b>
Activity during theoretical lectures	max 5	Oral exam	50
Practical training	max 5		
Written test(s)	max 25		
Term paper	max 15		
Minimum requirement for the final exam	30		