

Study program: Business informatics and e-business			
Course name: Internet applications development			
Professor: Bosnjak D. Sasa, PhD			
Subject status: compulsory course			
ECTS: 6			
Requirements: no requirements			
Aim of the course Students acquire methodological knowledge on the Internet as a technological and infrastructural platform for electronic business. Besides the methodological aspects, students acquire practical knowledge on the development of Internet applications using advanced techniques of HTML, CSS script language and ASP.NET. Special attention is placed on the aspect of enhancing and optimization of performances of Internet applications in scalable software architecture using AJAX technology.			
Course outcomes Students acquire theoretical and practical knowledge necessary for development of Internet applications in scalable software architectures in ASP.NET environment with the use of AJAX components.			
Content of the course <i>Theoretical lectures</i> Infrastructure platform for e-business, development of internet applications with advanced options of XHTML, CSS and AJAX. Defining CSS classes and their use in the development of robust and scalable internet applications. Use of AJAX components to create complex dynamic Internet applications that include the ability to reduce communication in the client-server architecture. Design and implementation of dynamic web pages. First is defining the standard XHTML tags in order to continue defining different types of CSS styles and classes necessary for the uniform development of business applications on the Internet. AJAX components are used in advanced Web development solutions, and the .NET program environment is selected to connect various software components, programming and scripts required for the development of complex business Internet applications. <i>Practical course work</i> XHTML, CSS , AJAX			
Literature			
<ul style="list-style-type: none"> • Еспозито Д., ASP.net AJAX , Microsoft Press (Одабрани делови поглавља у преводу: 3,4,5,6,7), 2007. • MacDonald, M., ASP.NET 3.5 SA C# 2008, Компјутер библиотека (Делови поглавља: 5, 6, 25), 2009. • Robbins, J., Научите веб дизајн : водич кроз XHTML, CSS и веб графику, Микро књига (Делови поглавља: 5-17), 2008. 			
Total number of active teaching classes		Lectures: 30	Practical course work: 45
Teaching methods Presentations as part of standard lecture classes, presentation and analysis of case studies in smaller groups, workshops, and practice classes in the IT lab.			
Evaluation (maximum points 100)			
Pre-exam activities	Points	Final exam	Points
Active participation in lecture classes	5	Written exam	/
Active participation in practical course work	5	Oral exam	45
Colloquium 1	30	
Colloquium 2	/		
Term papers	15		