

<b>Study program:</b> Business informatics and e-business			
<b>Course name:</b> Software development methods			
<b>Professor:</b> Bosnjak R. Zita, PhD			
<b>Subject status:</b> compulsory course			
<b>ECTS:</b> 7			
<b>Requirements:</b> no requirements			
<b>Aim of the course</b> Students acquire methodological knowledge on Internet and Web applications, as well as practical knowledge on development of Internet applications using HTML script language, development environment, ASP.NET and program language C#.NET. Development of apps requires the use of theoretical and practical knowledge on development, implementation and use of software components in a programming environment ASP.NET on client/server software platforms and internet architecture.			
<b>Course outcomes</b> Students acquire theoretical and practical knowledge necessary for development and use of software components for developing and implementing business software apps in an Internet environment.			
<b>Content of the course</b> <i>Theoretical lectures</i> The course studies the processes of implementation of software solutions in the methodological frameworks of software life cycle. Data types and program flow control form the basis for building software components. Designing, implementing and using software components are key paradigms in the development of software solutions. Methods and techniques of both object and structural approach form the basis for the development of business information systems in the domain of implementation. <i>Practical course work</i> XHTML, ASP.NET and C#.NET			
<b>Literature</b> Бошњак, С. (2001), Структурне методе развоја софтвера, СТУЛОС (3-26) (47-114); MacDonald M. (2009), ASP.NET 3.5 SA C# 2008, Компјутер библиотека (Делови поглавља:5, 6,7,10,13,14,15, 17) Jones, R. (2003), ASP.NET SA C#, Компјутер библиотека,(Делови поглавља:1, 2, 16)			
<b>Total number of active teaching classes</b>	<b>Lectures: 30</b>	<b>Practical course work: 45</b>	
<b>Teaching methods</b> Presentations as part of standard lecture classes, presentation and analysis of case studies in smaller groups, workshops, and practice classes in the IT lab.			
<b>Evaluation (maximum points 100)</b>			
<b>Pre-exam activities</b>	<b>Points</b>	<b>Final exam</b>	<b>Points</b>
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		