

Study program : Information technologies			
Type and level of studies: Master studies (second level of studies)			
Course unit: eLearning tools and technologies			
Teacher in charge : Danijela Milošević			
Language of instruction (<i>English</i>)			
ECTS: 6			
Prerequisites: -			
Semester (<i>Winter or Summer Semester</i>)			
Course unit objective			
Students will gain knowledge and experience necessary for selecting and working with tools and technologies for the development of e-learning courses, as well as the ability of the description and analysis of the elements of e-learning and applying different tools and technologies for delivery, administration, student support or the creation of the material. During the course, students will be actively working with various tools including traditional tools for creating courses, and Web 2.0 tools for collaboration and exchange.			
Learning outcomes of Course unit			
After successful completion of this course, students will be able to: 1) understand and apply the most popular commercial and free tools, in order to successfully create different solutions for e-learning; 2) identify a range of services necessary for e-learning and to develop criteria for the selection of the most appropriate products; 3) effectively manage the content, courses and users, as well as to efficiently manage their own learning and training.			
Course unit contents			
<i>Theoretical classes</i>			
<i>Basic concepts and principles of technology and tools for e-learning. Types of e-learning and the necessary technology. Categories of tools: levels and assignments. Overview and description of the production of tools for creating, hosting, delivery and management of different solutions for e-learning. Tools for access and offer of elearning courses. Tools for creation of content for e-courses. Communication and collaborative tools. Overview and description of personal tools designed to manage the own learning process and productivity. Tools for rapid development of electronic courses. Successful strategy and technology selection criteria for the selection of tools. Compliance standards and supporting e-learning. Trends in technology, learning and development tools.</i>			
<i>Practical classes</i>			
- <i>Practical work with selected tools for e-learning</i>			
- <i>Project realisation with the use of selected tools and technologies</i>			
- <i>Discussion and evaluation of selected research papers</i>			
Literature			
1. M. Iskander, (2008), Methodologies, Tools and New Developments for E-Learning, E-Assessment and Education, Springer, ISBN: 978-1-4020-8738-7			
2. J. M. Rhodes, (2009), "Programming for e-Learning Developers:ToolBook®, Flash®, JavaScript™, and Silverlight™", Colorado Springs, ISBN-13: 978-0-9711099-2-6			
3. E. Pontes, A. Silva, A. Guelfi, S. Takeo Kofuji, (2012), "Methodologies, Tools and New Developments for E-Learning", ISBN 978-953-51-0029-4			
4. G. Salmon, (2013), "E-tivities: The Key to Active Online Learning" (2nd ed.), Routledge Falmer, 2013.			
Number of active teaching hours			Other classes
Lectures:	Practice:	Other forms of classes: <i>mentoring work with students</i>	
Teaching methods			
Online interaction through the set of electronic course and a classic education and practice in the classroom. Exercises: practical work with tools for e-learning, project work;			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	10	oral examination	
practical classes/tests	30	written examination	<i>30</i>
Seminars/homework		
Project	30		

Other			
Grading system			
Grade	No. of points	Description	
10	91-100	Excellent	
9	81-90	Exceptionally good	
8	71-80	Very good	
7	61-70	Good	
6	51-60	Passing	
5	less than 50	Failing	

(Table 5.2) Course unit description