

(Table 5.2) Course unit description

Study program: <b>Informatics</b>			
Type and level of studies: <b>Undergraduate Academic Studies</b>			
<b>Course unit: INFORMATION SYSTEMS I</b>			
<b>Teacher in charge: Stefanovic Nenad</b>			
Language of instruction ( <i>English or other foreign language</i> ) <b>English</b>			
ECTS: <b>8</b>			
Prerequisites: <b>no</b>			
Semester ( <i>Winter Semester or Summer Semester</i> ) <b>Winter</b>			
<b>Course unit objective</b> Master the basic concepts, methods, techniques and tools related to information systems.			
<b>Learning outcomes of Course unit</b> Students will acquire the necessary theoretical and practical knowledge and skills needed for the design, development and implementation of information systems. Acquired knowledge and skills can be used for working on variety of information systems projects, as well as for taking the official international exams in these domains.			
<b>Course unit contents</b>			
<i>Theoretical classes</i> Basics of information systems; Information system lifecycle; Information systems development; Business modelling; Conceptual and logical data modeling; Unified Modelling Language (UML); Application design; IS implementation.			
<i>Practical classes</i> Computer Aided Software Engineering tools (process modelling, data flow diagrams,UML diagrams, data modelling); Microsoft Access.			
<b>Literature</b>			
1. R. Kelly Rainer,Casey G. Cegielski, Introduction to Information Systems: Enabling and Transforming Business, John Wiley & Sons, 2011.			
2. Joe Valacich and Christoph Schneider, Information Systems Today - Managing in the Digital World, Prentice Hall, 2012.			
3. James Cadle, Developing Information Systems, BCS Learning & Development Ltd, 2014.			
<b>Number of active teaching hours</b>			<b>Other classes</b>
Lectures: <b>3</b>	Practice: <b>2</b>	Other forms of classes: <b>1</b>	
<b>Teaching methods:</b>			
- Blended learning - Combination of classical and e-learning.			
- Interactive teaching with multimedia content.			
- Classroom and online lectures.			
- Usage of the Office 365 platform for document and content management, video conferencing, social networking and collaboration.			
<b>Examination methods (maximum 100 points)</b>			
<b>Exam prerequisites</b>	<b>No. of points:</b>	<b>Final exam</b>	<b>No. of points:</b>
Student's activity during lectures	<b>4</b>	oral examination	
Practical classes		written examination	
Tests	<b>46</b>	Project	<b>50</b>
Project			
Other			
<b>Grade</b>			
<b>10</b>	<b>No. of points</b>	<b>Description</b>	
	<b>91-100</b>	Excellent	
<b>9</b>	<b>81-90</b>	Exceptionally good	
<b>8</b>	<b>71-80</b>	Very good	
<b>7</b>	<b>61-70</b>	Good	

<b>6</b>	<b>51-60</b>	Passing
<b>5</b>	<b>0-50</b>	Failing