

<b>Study programme(s):</b> Computer Science				
<b>Level:</b> bachelor				
<b>Course title:</b> Multimedia				
<b>Lecturer:</b> Dragan Mašulović				
<b>Status:</b> elective				
<b>ECTS:</b> 4				
<b>Requirements:</b> ---				
<b>Learning objectives</b> In this course students shall acquire fundamental understanding of the methods, principles and the practice of developing multimedia products.				
<b>Learning outcomes</b> At the end of the course a successful student will understand the importance of multimedia in the modern world, the infrastructure needed to support modern multimedia, key elements of a multimedia product and the importance of authoring tools, the multimedia development process and the structure of intelligent interactive multimedia systems.				
<b>Syllabus</b> <ul style="list-style-type: none"><li>• A brief history of multimedia</li><li>• Multimedia products and evaluation</li><li>• Hardware and software support for modern multimedia products</li><li>• Key elements of multimedia: text, graphics, digital audio, digital video and animation</li><li>• Authoring tools</li><li>• Multimedia and the internet</li><li>• The multimedia development process</li><li>• Intelligent interactive multimedia systems</li></ul>				
<b>Literature</b> D. Cruse, L. Jordan: "HTML5 Multimedia Development Cookbook", Packt Publishing 2011 G. A. Tsihrintzis, M. Virvou, L. C. Jain, R. J. Howlett, T. Watanabe (Eds): "Intelligent Interactive Multimedia Systems and Services in Practice", Springer, 2016 Ch. W. Chen, P. Chatzimisios, T. Dagiuklas, L. Atzori (Eds): "Multimedia quality of experience (QoE) - Current status and future requirements", John Wiley & Sons, Ltd 2016				
<b>Weekly teaching load</b>				Other: <b>0</b>
Lectures: 1	Exercises: 2	Practical Exercises: 0	Student research: 0	
<b>Teaching methodology</b> Blackboard lectures, demonstrations, Practical exercises				
<b>Grading method (maximal number of points 100)</b>				
<b>Pre-exam obligations</b>		<b>points</b>	<b>Final exam</b>	<b>points</b>
<i>Colloquium 1</i>		<b>30</b>	<i>Practical exam</i>	<i>40</i>
<i>Colloquium 2</i>		<b>30</b>		