

<b>Course title: Multimedia Technology in Education</b>			
<b>Lecturers: Dragan Mašulović, Miloš M. Radovanović, Vladimir M. Kurbalija</b>			
Status: elective			
ECTS: 15			
<b>Requirements:</b>			
<b>Learning objectives</b>			
Introduction to theory and practice of application of multimedia systems in education of computer science.			
<b>Learning outcomes</b>			
Mastery and application of multimedia systems in education.			
<b>Syllabus</b>			
<i>Theoretical instruction</i>			
Basic theoretical principles of multimedia. Basic characteristics of classic multimedia. Basic practical characteristics of multimedia, usable in education. Methodology of application of multimedia in educational systems. Analysis of pedagogy of usage of multimedia in education. Presentation of characteristic multimedia systems. Components and structure of classic multimedia educational systems. Common characteristics and standards of important educational multimedia systems. Basic principles of implementation of multimedia educational software. Basic principles of usage of educational software in teaching. Introduction to modern tools for implementation of multimedia educational software and their practical application. Examples of characteristic multimedia educational systems in various areas.			
<b>Suggested literature:</b>			
1. Ruth Colvin Clark, Richard E. Mayer: e-Learning and the Science of Instruction: Proven Guidelines for Consumers and Designers of Multimedia Learning			
2. William W. Lee, Diana L. Owens: Multimedia-Based Instructional Design: Computer-Based Training, Web-Based Training, Distance Broadcast Training			
<b>Weekly teaching load</b>	<b>Lectures: 5</b>	<b>Student research: 5</b>	
<b>Teaching methodology</b>			
Lectures, consultations, interactive and dialog methods.			
<b>Grading (maximal number of points 100)</b>			
<b>Pre-exam requirements</b>	points	<b>Final exam</b>	points
Seminar papers	<b>60</b>	Oral exam	<b>40</b>