

Study program: Class Teacher Education, Preschool Teacher Education, Boarding School Teacher Education				
Type and level of studies: Master studies, second cycle degree program				
Course unit: Emerging technologies in education				
Teacher in charge: Danimir Mandic, PhD, full professor; Verica Milutinovic, PhD, assistant professor				
Language of instruction: English				
ECTS credits and course status: 5 ECTS, mandatory				
Prerequisites: /				
Semester: Winter semester (I)				
Course unit objective Mastering the knowledge related to distance education, the role of Web portals in synchronous and asynchronous technology. Training students in the development of appropriate teaching materials (i.e. didactic multimedia software, blog, web-site, wiki) for the different applications in a class.				
Learning outcomes of Course unit Student knows how to work with modern information and communication technology, is able to use a variety of Internet services, process and use audio, video and graphic material, and find the desired information and literature using the Internet, participate in video conferences. The student is able to independently design, implement and evaluate different web-based learning platforms in the classrooms.				
Course unit contents <i>Theoretical classes</i> Educational software for creating presentations, internet and communication technologies, hypermedia in education and their role in the individualization of instruction.. Selecting, editing and producing of suitable learning materials, and the understanding and use of multimedia to improve teaching quality in primary schools. Effective use of web portals and web technologies in an educational context. <i>Practical classes</i> <i>The use of Web 2.0 tools such as Blog, Wikimedia, and social networking tools to facilitate teaching, learning and student administration. Processing of video materials, designing and development of educational video materials.</i>				
Literature Newby, T. (2000). <i>Instructional technology for teaching and learning</i> . Upper Saddle River, N.J.: Merrill. Davidson-Shivers, G., & Rasmussen, K. (2006). <i>Web-based learning</i> . Upper Saddle River, N.J.: Pearson/Merrill/Prentice Hall. Bonk, C. (2009). <i>The world is open: how Web technology is revolutionizing education</i> . San Francisco, Calif.: Jossey-Bass.				
Number of active teaching hours				Other classes: /
Lectures: 30	Practice: 15	Other forms of classes: Mentoring system	Independent work: /	
Teaching methods Lectures				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points:	Final exam	No. of points:	
Student's activity during lectures	10	oral examination	30	
practical classes/tests	10	written examination	20	
Seminars/homework			
Project	30			
Other				

Grading system		
Grade	Number 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	≤50	Failing