

<b>Study program:</b> Class Teacher Education				
<b>Type and level of studies:</b> Master studies, second cycle degree program				
<b>Course unit:</b> Contemporary Approaches in Mathematics Teaching				
<b>Teacher in charge:</b> Aleksandra Mihajlovic, PhD, associate professor				
<b>Language of instruction:</b> English				
<b>ECTS credits and course status:</b> 6 ECTS, elective				
<b>Prerequisites:</b> /				
<b>Semester:</b> Winter semester (I)				
<b>Course unit objective</b>				
To enhance students knowledge and understanding of innovative teaching approaches and current research and implications for classroom practice; to train students to be able to transform mathematical content through use of various contemporary teaching methods.				
<b>Learning outcomes of Course unit</b>				
Upon completion of this course, students will: develop ways of exploring mathematics teaching and learning, will be able to use and creatively integrate different teaching approaches, will develop their research skills.				
<b>Course unit contents</b>				
<i>Theoretical and practical classes</i>				
Part 1 (4 credits): Contemporary teaching approaches and current researches in mathematics teaching and learning. Concept and characteristics of some teaching approaches and methods: problem oriented instruction, differentiated instruction, programmed instruction, heuristics method of teaching, open-ended approach, interdisciplinary teaching, project-based learning, inquiry-based learning.				
Part 2 (2 credits): Comparative analyses of mathematical education in different countries.				
<b>Literature</b>				
Teaching student-centred mathematics : grades 3-5 / John A. Van de Wale ; Louann H. Lovin				
Teaching student-centred mathematics : grades K-3 / John A. Van de Walle ; LouAnn H. Lovin				
Materials from lectures				
<b>Number of active teaching hours</b>				<b>Other classes:</b> /
Lectures (including tutorials): 30	Seminars: 30	Other forms of classes: /	Independent work: Independent study	
<b>Teaching methods</b>				
6 x 2hrs Lectures (including tutorials, class is a combination of theoretical and practical activities), 2 x 2hrs Seminars, Independent Study				
<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		oral examination		
practical classes/tests		written examination		
Project		2x1 word project	100	
Other				

<b>Grading system</b>		
<b>Grade</b>	<b>Number of points</b>	<b>Description</b>
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