

Study program: Class Teacher Education				
Type and level of studies: Bachelor studies, first cycle degree program				
Course unit: Methodology of teaching Mathematics (lower primary)				
Teacher in charge: Aleksandra Mihajlovic, PhD, Full Professor				
Language of instruction: English				
ECTS: 5 ECTS, mandatory				
Prerequisites: /				
Semester: Winter semester and summer semester (V & VI)				
Course unit objective Introducing student to classroom methodology, building students skills and abilities to teach mathematics in grades one to four of primary school; building students skills and abilities to organize and manage classroom, preparing students for permanent professional development.				
Learning outcomes of Course unit Upon completion of this course, students will be able to: know and understand how children learn primary mathematics and how they construct mathematical knowledge; know the content and how to teach it, plan and implement effective teaching and learning.				
Course unit contents <i>Theoretical and practical classes</i> Part 1 (1 credit): Introduction to Methodology of teaching primary mathematics. Psychological and logical aspects of mathematics teaching (mathematical thinking, reasoning). Developing interest and increasing motivation for learning mathematics in children. Part 2 (2 credits): Methodological approach to teaching primary mathematics contents: students will study how to teach contents about sets, natural numbers and arithmetical operations, spatial and number relations, fractions, equations and inequalities, geometry and measures. Part 3 (2 credits): Problem solving (direct and indirect methods and strategies of solving problems). Lesson planning in primary mathematics teaching. Some organizational aspects of primary mathematics teaching. One school visit.				
Literature 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				
Number of active teaching hours				Other classes
Lectures (including tutorials and seminars): 60	Practice: 30	Other forms of classes:	Independent work: 60 hrs	
Teaching methods Lectures (including tutorials and seminars, class is a combination of theoretical and practical activities), independent study.				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points:	Final exam	No. of points:	
Student's activity during lectures	30	oral examination		
practical classes/tests		written examination		
Project		2x1 word projects	70	
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