Study program : Class teacher Education
Type and level of studies: Bachelor studies
Course unit: Methodology of Teaching Mathematics (lower primary)
Teacher in charge : dr Aleksandra Mihajlović, Associate Professor
Language of instruction (*English or other foreign language*): English
ECTS: 5
Prerequisites:
Semester *(Winter Semester or Summer Semester)*
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 *Theoretical and practical classes* ***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): 12x2hrs	Practice:	Other forms of classes:	Independent work: 60 hrs	

Teaching methods 12 x 2hrs 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		oral examination	
practical classes/tests		written examination	
2x1 word projects	Total Marks 100	.....	
Project			

Other			
Grading system			
Grade	**No. of points**	**Description**	
10	**....**	Excellent	
9	**....**	Exceptionally good	
8	**....**	Very good	
7	**....**	Good	
6	**....**	Passing	
5	**....**	Failing	