

(Table 5.2) Course unit description

Study program: Primary School Teacher				
Type and level of studies: Master Studies				
Course unit: Mathematical Giftedness in Primary Education				
Teacher in charge: Sanja Marčić, Ph.D., Full Professor Marija Rančić, M.Ed., Teaching Assistant				
Language of instruction: English				
ECTS: 6				
Prerequisites: /				
Semester: Winter semester				
Course unit objective Students will be qualified to recognize, identify, plan, and organize work with students who are potentially gifted in mathematics in primary education, as well as to conduct research in this field.				
Learning outcomes of Course unit Students will be qualified to recognize, identify, plan, and organize work with students who are potentially gifted in mathematics in primary education, as well as to conduct research in this field.				
Course unit contents <i>Theoretical Instruction</i> Conceptual definitions of giftedness. Theories of giftedness (Renzulli, Gagné, Sternberg). Mathematical giftedness. Identification of students potentially gifted in mathematics. Prejudices about giftedness. Strategies for working with students potentially gifted in mathematics. Forms of educational work with students potentially gifted in mathematics (regular classes, additional classes, free mathematical activities, competitions, etc.). Planning work with potentially gifted students in mathematics. <i>Practical Instruction</i> Practical application of knowledge in recognizing, planning, preparing, and organizing work with students potentially gifted in mathematics in primary education and in researching problems in this area.				
References Assouline, S. G., & Lupkowski-Shoplik, A. (2021). <i>Developing math talent: A comprehensive guide to math education for gifted students in elementary and middle school</i> . Routledge Leikin, R., Berman, A., & Koichu, B. (2009). <i>Creativity in mathematics and the education of gifted students</i> . Brill. Singer, F. M., Sheffield, L. J., Freiman, V., & Brandl, M. (2016). <i>Research on and activities for mathematically gifted students</i> . Springer Nature. Winner, E. (2005). <i>Gifted Children: Myths and Realities</i> . Ostvarenje.				
Number of active teaching hours				Other classes
Lectures: 2	Practice: 2	Other forms of classes:	Independent work	
Teaching methods Lectures, exercises, practical work, consultations, classroom observation, discussions, cooperative learning, and independent work, method of practical activities, workshops, role playing, e-teaching, presentations and mentoring.				
Examination methods (maximum 100 points)				
Exam prerequisites		No. of points:	Final exam	No. of points:
student's activity during lectures		10	oral examination	50
practical classes/tests		20	written examination	

seminars/homework	20	
project			
other			
Grading system			
Grade	No. 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	Less than 51		Failing