

COURSE TITLE		MATH METHODOLOGY PRAXIS II				
Code	PMM 131	Year of study	Graduate study, II. year			
Lecturer(s)	Željka Zorić	ECTS credits	4			
Assistants		Teaching methods (hours per semester)	L	S	E	F
			0	0	45	0
Course status	Required course	e-learning %				
COURSE DESCRIPTION						
Course objectives	<ul style="list-style-type: none"> enabling students to prepare, implement and provide a lesson analysis of regular, supplementary and additional classes in elementary and high school math preparing students for lifelong learning in mathematics education 					
Course prerequisites for enrolment and competency requirements	Prerequisites for this course include previously attended courses Methods of teaching Mathematics I and Methods of teaching Mathematics II.					
Expected learning outcomes on course level (4-10 learning outcomes)	<p>After finishing the course, students should be able to:</p> <ul style="list-style-type: none"> write a math lesson plan on their own give a lesson according to the principles of teaching mathematics analyse a lesson recognize types and structures of lessons specific for elementary and high school mathematics apply different teaching methods organize and implement different working methods 					
Detailed course content according to teaching hours	<p>The praxis in Methodology is enacted in selected schools – classroom training, under the expert guidance of teachers/professors – teacher-practitioners (mentors). During the praxis, students will</p> <ul style="list-style-type: none"> acquaint themselves with elementary and high school teaching organization acquaint themselves with legal regulations in Croatian education (related laws and rulebooks, school statute etc.) acquaint themselves with pedagogical documentation acquaint themselves with operational plans and programs for elementary and high school mathematics attend classes taught by their mentors (teachers/professors – teacher-practitioners) prepare, teach and analyse classes, either on their own or with the help of their mentors, where they can apply the knowledge obtained in university methodology course give a trial lesson in front of their praxis instructor write a detailed written lesson plan for each lesson keep a journal of hosted classes with the analyses and structures of classes they attended <p>Students will perform the praxis in groups of maximum 3 members.</p>					
Types of teaching methods	<input type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> entirely <i>online</i> <input type="checkbox"/> e-learning, combination <input type="checkbox"/> field work	<input checked="" type="checkbox"/> individual tasks <input checked="" type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input checked="" type="checkbox"/> mentorship <input checked="" type="checkbox"/> consultancy <input checked="" type="checkbox"/> praxis				
Student obligation	<ul style="list-style-type: none"> attending mentor's classes trial classes fellow students' trial classes test class fellow students' test classes class analysis 					

Monitoring students practice (<i>enter ECTS credits for each activity so that total ECTS credits correspond to subject scores</i>)	Attendance	1	Research		Praxis	
	Experiments		Paper		Trial classes	1,5
	Essay		Report		Written lesson plans	0,5
	Preliminary exam		Oral exam		(fill in)	
	Written exam		Project		(fill in)	
Evaluation and assessment of student performance in the course and on the final exam	<p>Students who have successfully finished the praxis and got a passing grade from their mentor (teacher/professor – practitioner) as well as passing grades for their journal, written lesson plans for each class and a trial class, have the right to obtain the signature.</p> <p>Students with the right to the signature have their grade formed according to their mentor's grade (praxis activity, attendance, attitude towards teaching, individual trial classes) (40%), grades for each written lesson plan (15%) and trial class grade (45%).</p>					
Obligatory literature (available in the library or through other media)	Title				Number of copies in the library	Availability through other media
	Teaching plans and programs for elementary and high school math, Ministry of Science, Education and Sports, Croatia					
	Current textbooks for elementary and high school math, as well as manuals for teachers					
Additional literature	Other specific-methodological literature facilitating the preparation of lesson plans (hard copy or e-books)					
Quality monitoring methods that enable the achievement of course objectives	During the last week of the course in an anonymous survey students will evaluate the quality of the classes. At the end of each semester students will be provided with an analysis of their performance on previous semester trial classes.					
Other (in the opinion of the proposer)						