

Study program	Level of the study program		First cycle	
	Study program name		Physics Education	
Course name	PHYSICS TEACHING PRACTICE I			
Course ID	Semester	Course status	ECTS credits	L+E
PED7511	V	MANDATORY	5	3+2
Lecturer				
Aims and intended learning outcomes	<p>The aim of this course is to further develop students' skills of planning, conducting and analyzing physics lessons, as well as in deepening students' understanding of selected physics topics.</p> <p>Intended learning outcomes:</p> <ol style="list-style-type: none"> 1. Create a portfolio which documents development of skills related to planning and analysing physics lessons. 2. Conduct physics lessons in the faculty classroom environment. 3. Observe and analyse physics lessons and engage in self-reflection. 4. Identify students' misconceptions and facilitate the process of conceptual change. 5. Demonstrate deep conceptual understanding of physics topics that are part of the physics curricula in Canton Sarajevo. 			
Course content				
<p>Role of teaching practice within initial physics teacher education. Developing a work plan for physics teaching practice. Portfolio: role, structure, process of learning. Physics curriculum: actual physics curricula, core curricula and school curricula, differentiating curricula. Developing work plans in physics education. Physics textbooks and other educational media. Model of physics lesson plans. Guidelines for observing and evaluating physics lessons. Simulation and evaluation of physics lessons within the faculty classroom environment – level of secondary school. Simulation and evaluation of physics lessons within the faculty classroom environment – level of primary school.</p>				
Student workload (hours)		Grading		
Lectures and Exercises	75	Assessment method	Points	
Exam preparation	30	Portfolio	15	
Assignments	15	Partial exam	35	
Other	5	Final exam	50	
Total	125			
		Total	100	
Literature				
<ol style="list-style-type: none"> 1. Muratović, H., Mešić, V. (2009). <i>Didaktičko-metodički prilozi nastavi fizike</i>. Sarajevo: Prirodno-matematički fakultet. 2. Physics textbooks for the primary and secondary school level. 3. Lemov, D. (2015). <i>Teach like a champion 2.0: 62 techniques that put students on the path to college</i>. John Wiley & Sons. 				
Remarks				