

Study program	Level of the study program		Second cycle	
	Name of the study program		Physics	
Course name	Physics teaching practice			
Course ID	Semester	Course status	ECTS credits	L+E
PED9011	I	ELECTIVE	10	4+4
Lecturer	Prof. dr. Vanes Mešić			
Aims and intended learning outcomes	<p>The aim of this course is to further develop students' skills of planning, conducting and analyzing physics lessons in faculty and school environment, 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 and school environment. 3) Observes and analyses physics lessons and engages in self-reflection. 4) Identifies students' misconceptions and facilitates the process of conceptual change. 5) Demonstrates 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.</p> <p>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.</p> <p>Developing a plan of teaching practice in the school environment.</p> <p>Developing a plan of teaching practice in the faculty classroom environment.</p> <p>Observing and simulating classes in the faculty classroom environment.</p> <p>Analysing physics classes that had been conducted in the faculty classroom environment.</p> <p>Observing and conducting classes in the authentic school environment.</p> <p>Analysing physics classes that had been conducted in the school environment.</p> <p>Reflection on teaching practice experiences and discussion about students' portfolios.</p>				
Student workload (hours)		Grading		
Lectures and Exercises	120	Assessment method	Points	
Exam preparation	80	Portfolio	15	
Assignments	40	Partial exam	35	
Other	10	Final exam	50	
Total	250			
		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				