Study program	Level of the study program		First cycle	
	Name of the study program		Educational Physics	
Course name	PHYSICS EDUCATION II			
Course ID	Semester	Course status	ECTS credits	L+E
PED6611	**VI**	**MANDATORY**	**6**	**4+2**
Lecturer	**Prof. dr. Vanes Mešić**			
Aims and intended learning outcomes	The aim of this course is to develop the students' knowledge, skills, attitudes and values that are important for the physics teacher profession. Intended learning outcomes: 1. Identify and describe the educational law and bylaws in Canton Sarajevo, and demonstrate the ability to conduct the corresponding administrative tasks. 2. Evaluate physics curricula and textbooks, and locate various resources that potentially facilitate planning and implementation of physics classes. 3. Perform didactic reconstruction of a given physics concept through use of various methods/technologies, and develop a lesson plan based on the 5E model. 4. Describe the different aspects of physics homework and develop a test for a given physics topic. 5. Develop a monthly and annual work plan, as well as a lesson plan. 6. Demonstrate mastery of physics topics that are part of primary and secondary school curricula, and conduct/analyse physics lessons.			

Course content

Structure of the educational system in Bosnia and Herzegovina. Educational laws and bylaws.
Role of physics at different educational levels. Curricula in Canton Sarajevo.
Physics textbooks at local and international level. Physics teaching resources.
Didactic reconstruction.
Deductive and inductive teaching methods. 5E model
Developing multimedial presentations.
Assessing students' learning outcomes in physics. Test construction. Physics homework.
Macro and micro lesson planning in physics education.
Evaluating the quality of physics education.
Conduction and analysis of physics lessons.

Student workload (hours)		Grading	
Lectures and Exercises	90	Assessment method	Points
Exam preparation	45	Portfolio	20
Assignments	10	Partial exam	40
Other	5	Final exam	40
Total	150		
		Total	100

Literature

1. Muratović, H., Mešić, V. (2009*). Didaktičko-metodički prilozi nastavi fizike*. Sarajevo: Prirodno-matematički fakultet.
2. Mešić, V. (2015). *Uvod u didaktiku fizike*. Sarajevo: Prirodno-matematički fakultet.
3. Mattes, W. (2007). *Nastavne metode: 75 kompaktnih pregleda za nastavnike i učenike*. *Zagreb: Naklada Ljevak*.

Remarks