	Level of the study program			Second cycle		
Study program	Study program name			Physics Education		
Course name	ACTIVE LEARNING STRATEGIES IN PHYSICS TEACHING					
Course ID	Semester	Cours	Course status		CTS credits L+	
PED0411	l or ll	ELE	ELECTIVE			2+2
Lecturer						
Aims and intended learning outcomes	<ul> <li>The aim of this course is to further develop the students' abilities to use active learning strategies in physics teaching.</li> <li>Intended learning outcomes: <ol> <li>Evaluate the pedagogic opportunities of various teaching strategies.</li> <li>Identify the factors that moderate the effectiveness of active learning strategies in physics teaching.</li> </ol> </li> <li>Prepare and conduct lessons based on different variants of active learning approaches in physics teaching.</li> </ul>					
Course content						
Basic principles of cognitive psychology. Model of a teaching environment. Role of the teacher in a teaching environment that promotes active learning. Use of active learning strategies in different teaching formats. Overview of most important active learning approaches in physics teaching. Inquiry-based teaching. Case studies and problem-based learning. Project-based learning. Assessing students' learning outcomes in active learning classrooms.						
Student workload (hours)		Grading				
Lectures and Exercises			Assessment method		F	Points
Exam preparation	20		Partial exam			30
Assignments	10		Preparing conducting			30
Other	10		Final exam			40
Total	100	)				
Total 100						100
Literature						
<ol> <li>Mattes, W. (2 Zagreb: Nakl.</li> <li>Michael, J.A., classrooms. I</li> <li>Bass, J. L., C Investigation.</li> </ol>	15). Uvod u didak 007). <i>Nastavne n ada Ljevak.</i> , & Modell, H.I. (20 Mahwah, NJ: Law contant, T. L., & C. Boston: Pearson cles from physics	netode: 75 k 003). Active rence Erlba arin, A. A. (2 education jc	ompaktnih preg learning in sec um. 2014). Teaching purnals.	ileda za nas ondary and	tavnike i ι college sc	ičenike. ience
Remarks						