G. 1	Level of stud	Level of studies Third cycle									
Study program	Title of the s	Title of the study program Science and				nd mathematics education					
			RSE								
Course title Selected Chapters in Quantum Physics											
Course ID								Contact hours			
PTH673		Elective			10	10 60		60			
Lecturers Lecturer in charge Prof. dr. Dejan Mile					šević						
	Other lecturers										
Course aims Deepening knowledge about selected topics in quantum physics.											
1			CONT	ENT							
#		Teaching units					Contact hours				
- Intro						30	E/S C		С		
- Probability amplitudes - Identical particles - Spin 1 and spin ½ - The dependence of amplitudes on time - The Hamiltonian matrix - Two-state systems - Applications in solid state physics - Symmetries and conservation laws - Angular momentum - Modern areas of quantum physics											
LITERATURE  1. R. P. Feynman, R. B. Leighton, M. Sand,			TI			ASSESSMENT OF LEARNI sessment method Points				Threshold	
I. R. P. Feyni   <i>Feynman Lectur</i>					netnoa	Points	30	inres	shold 16		
Reading, 1963.	1. 5, 1 iddibon- w	Wesley, 1. Tests 2. Seminar papers			erc		30		17		
2. P. A. Tipler, R. Llewellyn, <i>Modern Physics</i> , 6th ed.,					Final exam	C10	40		22		
2012.								-10			
3. C. Schiller, <i>The Adventure of Physics</i> , Vol. IV, <i>The Quantum of Change</i> , Motion Mountain, 25th ed.,			/, The –		Total 100			100		55	
www.motionmo	untain.net, 2012. Concepts of Mod 003.										