Program	Level of studies		Second cycle		
	Program name		Physics		
Course name	PHOTONICS				
Course ID	Semester	Course status	ECTS credits	L+E	
PTH0611	Ι	ELECTIVE	6	3+3	
Lecturer	Prof. dr. Senad Odžak				
Aims and intended learning outcomes	The aim of the course is to introduce students through lectures and auditorials on a more advanced level with phenomena in the field of Photonics. It is expected that students successfully adopt the content of the course and that the acquired knowledge is successfully applied in their further academic education and/or scientific work.				
Course content					
photon sources. Se Ultra-fast optics. Opt	miconductor phot cal interconnects	nplifiers. Lasers. Photons on detectors. Acousto-opti and switches. Optical fibe	cs. Electro-optics. N		
Student workload (hours) Lectures and Exercises 75		Accoment	Assessment method Points		
	50				
Exam preparation				40	
Assignments	20			20	
Other	5	Final Ex	am	40	
Total	150			100	
Total 100					
3. F. Graham, T. A.	King, Optics and onics, Springer, Bo	Literature Imentals of photonics, John photonics, John Wiley & S erlin, 2001. Remarks			

completion of the course implies achieving at least 55% of the total numer of points in course test, assignment and final exam. All examination is done by using the written method.