

Study program	Type of study (cycle)		Second cycle	
	Study program name		Physics	
Name of the course	ELECTRONICS II			
Course ID	Semester	Course status	ECTS credits	L+E
PAP8611	II		6	2+2
Lecturer				
Aims and intended learning outcomes	The goal and task of the course is to introduce students to advanced electronic elements and schemes using lectures, laboratory exercises and practical work to prepare them for future work as a professor and / or researcher.			
Course content				
Number systems and Boolean algebra; logic gates and their applications; memory elements; counters, registers and readout systems; multivibrators, A/D and D/A converters; optoelectronics: Internet of Things;				
Student workload (hours)			Grading	
Lectures and Exercises	60	Assessment method	Points	
Exam preparation	50	Partial exams	40	
Assignments	10	Practical work	15	
Other	5	Student activity	5	
Total	125	Final exam	40	
		Total	100	
Literature				
<ol style="list-style-type: none"> <li>1. „Osnovi elektronike“, Aljo Mujčić, Edin Mujčić, Nermin Suljnović, Tuzla 2015;</li> <li>2. D. Milatović: Osnove elektronike, Svjetlost, Sarajevo 1995</li> </ol>				
Remarks				