NAME OF THE COU	Practic	Practical exercises in basic electronics											
Code	PMT167			Year of st	udy	1. year	1. year graduate study						
Course teacher	Doc.dr.sc. Vladimir Pleština Hrvoje Turić, prof. predavač			f. Credits (E	ECTS)	3							
Associate teachers				Type of ir (number	struction of hours)	L	S	E 30	F				
Status of the course	Compulsory			Percenta applicatio	ge of n of e-learning								
			COUR	SE DESCRII	PTION								
Course objectives	Train the students to independently perform simple electrical measurements on basic electronic elements, circuits and their application.												
Course enrolment requirements and entry competences required for the course	none												
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	 After this course, students will be able to: 1. Analyse the principles of the diode operation and bipolar transistor 2. Apply the diode as a rectifier 3. Define the working point position of bipolar transistor 4. Analyse the operation of the bipolar transistor 5. Apply the bipolar transistor as a switch. 6. Signal analysis with oscilloscope 7. Apply a bipolar transistor as an amplifier. 8. Apply a bipolar transistor as a stabil. 												
Course content broken down in detail by weekly class schedule (syllabus)	 Introduction to the course and general terms Determining the resistance of an unknown resistor Determination of unknown capacitor Check the diode's correctness Determining bipolar transistor parameters U-I characteristics of the diode Transistor switch Voltage measurement at transistor switch Semi-rectifier RC Integrator Recording static characteristics of a bipolar transistor NF amplifier with a common emitter Astabil colloquiumof exercises 												
Format of instruction	□ lectu □ semi □ exer □ on lii □ parti □ field	ires inars an cises ne in ent al e-lear work	d worksho tirety ning	ps	 □ independen □ multimedia ⊠ laboratory □ work with m □ (othe 	it assignments nentor r)							
Student responsibilities	Class attendance Independently preparation of exercise. Making reports Prepared exercise before performing Active participation in the teaching process												
Screening student work (name the proportion of ECTS credits for each activity so that the total number of	Class attenda	nce	1	Research		Practical	training						
	Experin work	nental	0,5	Report	0,5	(0	ther)						
	Essay			Seminar essay		(0	ther)						

ECTS credits is equal to the ECTS value of the course)	Tests	1	Oral exam		(Other)							
	Written exam		Project		(Other)							
Grading and evaluating student work in class and at the final exam	Total scoring (100%): 1. An assessment of preparation for exercise: 45% 2. Evaluation of work and commitment to the exercise: 45% 3. The evaluation of report 10% Rating by percentage: 50% to 62% - sufficient (2) 63% to 75% - good (3) 76% to 88% - very good (4) 89% to 100% - excellent (5)											
Required literature (available in the library and via other media)		٦	Number of copies in the library	Availability via other media								
	Praktikum iz os Tomislav Brodić	nova elek										
	V. Papić, Preda	vanja iz o										
	Sveučilišna skri	pta, 2005										
Optional literature (at the time of submission of study programme proposal)	 B. Jajac, Teorijske osnove elektrotehnike: Struktura materije i mjerne jedinice, elektrostatika, Graphis, Zagreb, 2001 B. Juzbašić, Elektronički elementi, Školska knjiga, Zagreb, 1984. P. Biljanović, Elektronički sklopovi, Školska knjiga, Zagreb, 1989. N. Storey, Electronics: A Systems Approach, Prentice Hall, 1998. P. Slapničar, Gotovac, Elektronički sklopovi. Sveučilište u Splitu. 2000. 											
Quality assurance methods that ensure the acquisition of exit competences	Conversation with the students. Students opinions about the quality of teaching through anonymous polls. The success of students at exam. Self-evaluation.											
Other (as the proposer wishes to add)												