

Specification for the book of courses

Study program		Electrical Engineering and Computer Science		
Module		Communications and Information Technologies - System Engineering and Radio-Communications		
Type and level of studies		Undergraduate Academic Studies		
The name of the course		Laboratory Work and Skills		
Lecturer (for lectures)		Marinković D. Zlatica, Maleš-Ilić P. Nataša		
Lecturer/associate (for exercises)				
Lecturer/associate (for OFE)		Stošić P. Biljana, Milijić R. Marija		
Number of ECTS	3	Course status (obligatory/elective)	Obligatory	
Prerequisites				
Course objectives	Training students to work in the lab and acquire skills such as working with specialized software packages for processing of the measurement results and for the design.			
Course outcomes	Ability to independently use laboratory equipment and specialized software packages.			
Course outline				
Theoretical teaching	Laboratory work safety rules. Occupational safety measures. Fire protection. Protection against electrical discharge and grounding of instruments. Theoretical preparation for selected measurements in wireless communication systems and cable and optical communication systems. Acquisition, processing and displaying measurement results.			
Practical teaching (exercises, OFE, study and research)	Selected measurements in wireless communication systems and cable and optical communication systems. Creating measurement protocols. Software tools for analysis and planning of communication systems (TeleCAD GIS or similar).			
Textbooks/references				
1	Manuals for laboratory exercises.			
2	Software packages manuals.			
3				
4				
5				
Number of classes of active education per week during semester/trimester/year				
Lectures	Exercises	OFE	Study and research work	Other classes
1	0	2	0	0
Teaching methods	Lectures; Laboratory Work; Consultations			
Grade (maximum number of points 100)				
Pre-exam duties		Points	Final exam	Points
Activity during lectures			Written exam	
Exercises		70	Oral exam	30
Colloquia				
Projects				