

## Specification for the book of courses

<b>Study program</b>	Electrical Engineering and Computer Science			
<b>Module</b>	Communications and Information Technologies - System Engineering and Radio-Communications			
<b>Type and level of studies</b>	Undergraduate Academic Studies			
<b>The name of the course</b>	Creative Laboratory			
<b>Lecturer (for lectures)</b>	Maleš-Ilić P. Nataša, Milić N. Dejan			
<b>Lecturer/associate (for exercises)</b>				
<b>Lecturer/associate (for OFE)</b>	Atanasković S. Aleksandar, Eferica M. Predrag			
<b>Number of ECTS</b>	3	<b>Course status (obligatory/elective)</b>	Elective	
<b>Prerequisites</b>				
<b>Course objectives</b>	Training students for practical work on solving project tasks starting from specification of problem, development of ideas, planning of realization process, team work, work with laboratory equipment and specialized software.			
<b>Course outcomes</b>	Ability of students to design and / or access the project task and devise a methodology of work. Ability to organize and implement the project through planned procedures and phases. Training for working with laboratory equipment and specialized software. Getting communication skills for group and team work. Acquiring the skill of presenting the results achieved and the possibility of critical analysis.			
<b>Course outline</b>				
<b>Theoretical teaching</b>	Introduction to laboratory work and protective measures for laboratory work. Development of the project idea. Access to the problem - creating a project task and methodology. Project development through all its phases. Organization of work on the project. Working in groups. Communication between groups and work in the team. Final presentation. Critical analysis of the results achieved.			
<b>Practical teaching (exercises, OFE, study and research)</b>	Practical work on project tasks in the laboratory. Visit to ICT companies for realization of specific measurements in real environment.			
<b>Textbooks/references</b>				
1	Introduction to work in Laboratory			
2	Introductions to work with software packages.			
3				
4				
5				
<b>Number of classes of active education per week during semester/trimester/year</b>				
<b>Lectures</b>	<b>Exercises</b>	<b>OFE</b>	<b>Study and research work</b>	<b>Other classes</b>
1	0	2	0	0
<b>Teaching methods</b>	Practical work in teams. Presentation of project results and discussion.			
<b>Grade (maximum number of points 100)</b>				
<b>Pre-exam duties</b>	<b>Points</b>	<b>Final exam</b>		<b>Points</b>
<b>Activity during lectures</b>		<b>Written exam</b>		
<b>Exercises</b>	40	<b>Oral exam</b>		30
<b>Colloquia</b>				
<b>Projects</b>	30			