

		<b>Course title: Experiment planning</b>		
<b>Course code</b>	<b>Course status</b>	<b>Semester</b>	<b>Number of ECTS credits</b>	<b>Lecture hours</b>
PA5202	Optional	II	5	3L+0E+1Lab
<b>Study program:</b> Master studies, ELECTRICAL ENGINEERING, study program: Power systems and Control, department: Industrial electronics (studies last for 10 semesters, 300 ECTS credits).				
<b>Prerequisites:</b> No prerequisites required.				
<b>Course aims:</b> Students will be introduced with one efficient method of experimental research of complex objects, events and systems.				
<b>Teacher(s) first and last names:</b> PhD Radomir Laković - professor				
<b>Studying method:</b> Lectures, mandatory consultations and computer exercises.				
<b>Course synopsis:</b>				
Preliminary week	Preparation and semester enrolment.			
I week	Introduction. General part.			
II week	Multi dimensional regressive analysis.			
III week	Multi dimensional regressive analysis.			
IV week	Multi dimensional regressive analysis.			
V week	Experiments comparison			
VI week	<i>I colloquium</i>			
VII week	<b>Free week</b>			
VIII week	Complete plans of first order			
IX week	Complete plans of first order			
X week	Complete plans of first order			
XI week	Partial plans.			
XII week	<i>II colloquium</i>			
XIII week	Plans of second order			
XIV week	Plans of second order			
XV week	Optimization plans			
XVI week	Canonic analysis			
Final week	<i>Final exam</i>			
XVIII-XXI week	Administrative procedures.			
Additional lessons, correction of the final exam and administrative procedures.				
<b>STUDENT WORKLOAD</b>				
<u>per week</u>		<u>per semester</u>		
<b>Working hours: 5 credits x 40/30 = 6 hours and 40 minutes.</b>		<b>Teaching and the final exam:</b> (6hours and 40 minutes) x 16 = 106 hours and 40 minutes.		
<b>Working hours structure:</b> 3 hours for teaching 1 hour for exercises 2 hours and 40 minutes for individual work, including consultations.		<b>Necessary preparation</b> (before semester): 2 x (6hours and 40 minutes) = 13hours and 20 minutes.		
		<b>Total work hours for the course:</b> 150hours		
		<b>Additional hours</b> for preparing correction of the final exam, including the exam taking: up to 30hours.		
		<b>Work hours structure:</b> 106hours and 40 minutes (lectures) + 13hours and 20 minutes (preparation) + 30hours (additional work)		
Lessons attendance is mandatory for students, as well as homework, exercises in computer classroom and colloquiums.				
<b>Literature:</b> Mato Laković, Božidar Nikolić, PRIMIJENJENA STATISTIKA, Eksperiment, Podgorica, 1999. godine.				
<b>The forms of knowledge testing and grading:</b>				
<ul style="list-style-type: none"> <li>- Homework 5x1 points.</li> <li>- Exercises in computer classroom 5x1 points.</li> <li>- Two colloquium 2x20 points</li> <li>- Final exam 50 points.</li> </ul>				
<b>Special remarks for the course :</b>				
<b>Teacher(s) who provided the information:</b> PhD Radomir Laković				
<b>Note:</b> -				