

Specification for the book of courses

Study program		Electrical Engineering and Computer Science		
Module		Control Systems		
Type and level of studies		Undergraduate Academic Studies		
The name of the course		Engineering Ethics		
Lecturer (for lectures)		Bojkov S. Vanče		
Lecturer/associate (for exercises)				
Lecturer/associate (for OFE)				
Number of ECTS		3	Course status (obligatory/elective)	Elective
Prerequisites	No conditions			
Course objectives	Acquiring knowledge about the mechanism of moral creation and value frameworks in the legal system.			
Course outcomes	The adopted knowledge should help students of electronics to identify the theory of engineering issues; to analyze problems of professional ethics in engineering; to adopt moral responsibility in forming credibility of profession as a moral resource in work and the aspects of ethical behavior in the era of digital revolution.			
Course outline				
Theoretical teaching	Engineering, engineering ethics and the relevance of ethics in technics and society. Ethical education of engineers. Assumptions of engineering ethics. Social norms, moral and law. Ethical aspect of team work. Ethical codex and engineering moral practice. Forming engineering ethics and moral responsibility. Tesla's engineering ethics. Ethical codex of IEEE members.			
Practical teaching (exercises, OFE, study and research)				
Textbooks/references				
1	Piter Singer, (2004) : Introduction to Ethics, Publishing "Zoran Stojanović", Sremski Karlovci, Novi Sad			
2	Djordjevic, D.B./ Djurovic, B. (2011): Professional Ethics Engineers, Faculty of Mechanical Engineering, Niš			
3	Djordjević, D.B./ Djurović, B. (2013):Engineering Profession, Faculty of Mechanical Engineering, Niš			
4	Djordjevic D.B./Tasić, M. (2015): Work, techniques and ethich in the era of globalization, Faculty of Mechanical Engineering, Niš			
5				
Number of classes of active education per week during semester/trimester/year				
Lectures	Exercises	OFE	Study and research work	Other classes
2	0	0	0	0
Teaching methods	Lectures; Consultations			
Grade (maximum number of points 100)				
Pre-exam duties	Points	Final exam		Points
Activity during lectures	10	Written exam		20
Exercises		Oral exam		20
Colloquia	40			
Projects	10			