Specification for the book of courses

Study program	Electrical Engineering and Computer Science		
Module	Common		
Type and level of studies	Doctoral studies		
The name of the course	Distributed Computer Control		
Lecturer (for lectures)	Jovanović D. Zoran		
Lecturer/associate (for exercises)			
Lecturer/associate (for OFE)			
Number of ECTS	10	**Course status (obligatory/elective)**	Elective
Prerequisites			
Course objectives	Acquiring knowledge about distributed control systems, communication networks and control algorithms for distributed systems.		
Course outcomes	Knowledge on practical applications of methods for managing distributed systems using modern computer technology, designing distributed control systems and their evaluation.		
Course outline			
Theoretical teaching	Configuration of distributed control systems. Communication networks. Control algorithms in distributed control systems. Economic justification of distributed management. Evaluation of distributed computer control systems. Microcomputer control networks. Trends in distributed computer management.		
Practical teaching (exercises, OFE, study and research	Mastering method units of theoretical teaching through the preparation of seminars, projects and scientific papers.		
Textbooks/references			
1	S. Tarbouriech, G. Garcia, A. Glattfelder, “Advanced Strategies in Control Systems with Input and Output Constraints”, Springer, 2007.		
2	G. Ellis, “Control Systems Design Guide”, Elsevier, 2004.		
3			
4			
5			

Number of classes of active education per week during semester/trimester/year

Lectures	**Exercises**	**OFE**	**Study and research work**	**Other classes**
3	0	0	0	0

Teaching methods	Forms of teaching (classical - lectures or mentorship - consultations) according to the number of students. With the help of scientific journals and other literature, the student deepens the teaching material, and through consultations and study research work with the teacher, the student is trained for independent writing of scientific work. The student is obliged to do the project independently.

Grade (maximum number of points 100)

Pre-exam duties	**Points**	**Final exam**	**Points**
Activity during lectures		**Written exam**	
Exercises		**Oral exam**	50
Colloquia			
Projects	50		