Specification for the book of courses

Study program	Electrical Engineering and Computer Science		
Module	Electron Devices and Microsystems		
Type and level of studies	Undergraduate Academic Studies		
The name of the course	Data transfer protocols		
Lecturer (for lectures)	Pejović M. Milić		
Lecturer/associate (for exercises)	Pejović M. Milić		
Lecturer/associate (for OFE)	Pejović M. Milić		
Number of ECTS	5	**Course status (obligatory/elective)**	Elective
Prerequisites			
Course objectives	Introduction to basic concepts of data transfer protocols. Introduction to hardware design and arhitecture used in various communication protocols. Softwre design for communication protocol application.		
Course outcomes	Introduction to design and implementation of various systems incorporating communicattion protocols. Various instruments interfacing and PC interfacing. Laboratory system design.		
Course outline			
Theoretical teaching	Interfacing various parts of electronic systems using communication protocols. Data transfer using serial and/or paralel buses. Receiver and transmiter buses. Timers. Input/output moduls. Software design. Project.		
Practical teaching (exercises, OFE, study and research	Demonstration of existitng systems. Design of systems incorporating communication protocols.		
Textbooks/references			
1	Vujo Drndarević, „Personalni računari u sistemima merenja i upravljanja“, 2003.		
2	Steve Heath, „Embeded systems design“, 2003.		
3			
4			
5			

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

Lectures	Exercises	OFE	Study and research work	Other classes
2	1	1	0	0
Teaching methods	Auditory lecturers, laboratory lecturers			

Grade (maximum number of points 100)

Pre-exam duties	Points	Final exam	Points
Activity during lectures	10	**Written exam**	25
Exercises	30	**Oral exam**	25
Colloquia	10		
Projects	0		