


Discipline	Standards in Electronics	code: 5513	Semester – /winter/
Specialty	Electronics		
ECTS credits: 5	Form of assessment: Evaluation during semester		
Lecturer	Associate Professor, PhD Toncho Papanchev Room: 208E Phone: +359 895550851 E-mail: t.papanchev@tu-varna.bg		
Department	Department of Electronics and Microelectronics		
Faculty	Faculty of Computer Sciences and Automation		
Learning objectives			
The course in “Standards in Electronics“ aims to acquaint students with the structure and objectives of standards in the field of electronics, to present to the students as much as possible the diversity of the element base, the terminology, the abbreviations in electronics. Students have to acquire basic skills in the use of computer software for drawing electrical diagrams and for data collection, presentation in graphical and tabular form, performing simulation experiments and analysis of the results.			
CONTENTS:			
	Training Area	Hours lectures	Hours seminar exercises
	Introduction. The purpose and need of standards for the design, construction and operation of electronic devices.	2	2
	Design documentation in electronics	2	4
	Drawings in electronics.	2	2
	Basic standards and requirements for electronic products.	2	-
	Using computer systems for automated design in the development of design documentation in electronics.	3	8
	Fundamentals of technical experiment	2	6
	Data processing	2	8
	TOTAL: 45 h	15	30