

Discipline	COMPUTER ELECTRONICS - PROJECT code: 25e summer semester		
Specialty	Computer Systems and Technologies		
ECTS credits: 2	Form of assessment: ongoing assessment		
Lecturer	Assoc. Prof. Emilian Bekov, PhD Room 602E; 415E Phone: +359 52 383 340 E-mail: emilian.bekov@tu-varna.bg		
Department	Electronics and Microelectronics		
Faculty	Faculty of Computing and Automation		
<p>Learning objectives:</p> <p>The course project "Computer Electronics" enables the students to study the methods for selection, design and analysis of the following electronic circuits and devices used in the computer equipment:</p> <ol style="list-style-type: none"> 1. Voltage stabilizers. 2. Transistor Amplifiers. 3. SMPSs. 4. Devices for tracking and measuring physical quantities. 5. Filters. 6. Control circuits for electronic devices. <p>The developed course project is presented in an explanatory note, which contains the completed design stages, including the principle diagrams of the projected device as well as a specification of the used electronic elements.</p> <p>The project is defended in oral presentation with the lecturer. The student answers questions on justification, dimensioning and selection of circuit solutions and electronic elements.</p>			
CONTENTS:			
	Training Area	Hours lectures	Hours seminar exercises
	Voltage stabilizers		5
	Transistor Amplifiers		5
	SMPSs		5
	Devices for tracking and measuring physical quantities		5
	Filters		5
	Control circuits for electronic devices		5
	TOTAL:	30 h	0
			30