Discipline	Sensors and Signal Conditioning	code: 5510 S	Semester – /	/winter/
Specialty	Electronics			
ECTS credits: 6	Form of assessment: Exam			
Lecturer	Associate Professor, PhD Emilian Bekov Room: 602E Phone: +359 52 383 340 E-mail: emilian.bekov@tu-varna.bg			
Department	Department of Electronics and Microelec	tronics		
Faculty	Faculty of Computer Sciences and Auton	nation		
The course "Sensor and main applicatio speed, acceleration devices used to ope	s and Signal Conditioning" is dedicated to ns of sensors. Sensors for temperature, me and others are examined. The students are rate with and measure readings from differ CONTENTS:	the study of the p chanical stress, pro- e introduce to elec- rent types of senso	orinciples o essure, obje etronic sche ors.	f use, types ect position, ematics and
Training Area			Hours lectures	Hours seminar exercises
Introduction to sensors and sensor technology.		3	3	
Temperature sensors.		3	3	
Sensor for measuring mechanical force.			3	3
Pressure sensors.			3	3
Sensors for position, speed and acceleration.			3	3
Flow sensors.		3	3	
Sensors used for object detection.		3	3	
Sensors for meteorological measurements.		3	3	
Sensors for biomedical measurements.		3	3	
Sensor interfaces.			3	3
	TO	TAL: 60 h	30	30