

FACULTY:	Faculty of Electronics and Computer Science
FIELD OF STUDY:	Computer Science
ERASMUS COORDINATOR OF THE FACULTY:	Robert Wirski, PhD
E-MAIL ADDRESS OF THE COORDINATOR:	<a href="mailto:robert.wirski@tu.koszalin.pl">robert.wirski@tu.koszalin.pl</a>
COURSE TITLE:	Laboratory of Microprocessors
LECTURER'S NAME:	Paweł Poczekajło, PhD
E-MAIL ADDRESS OF THE LECTURER:	pawel.poczekajlo@tu.koszalin.pl
ECTS POINTS FOR THE COURSE:	3
ACADEMIC YEAR:	2021/2022
SEMESTER: (W – winter, S – summer)	S
HOURS IN SEMESTER:	30
LEVEL OF THE COURSE: (1 <sup>st</sup> cycle, 2 <sup>nd</sup> cycle, 3 <sup>rd</sup> cycle)	1 <sup>st</sup> cycle
TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?)	laboratory
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METHOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	continuous assessment or project work
COURSE CONTENT:	<p>Introduction to C for AVR, Statement, Function Programmer Strategy, Code structures and debugging, Code Flashing and execution.</p> <p>IO Port programming, Control devices (dip-switch, key matrix), Display devices (LED, LCD, Seven Segment Display), Internal peripherals (Timer/Counter, Analog inputs), Sensor devices and they applications (temperature sensor, IR sensors), Other devices (i.e. beeper), Connections with RS232 (UART).</p>

ADDITIONAL INFORMATION:	Requirements: Basic of C programming, microcontrollers circuits, circuits and electronic elements.
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