

FACULTY:	Faculty of Electronics and Computer Science
FIELD OF STUDY:	Computer Science
ERASMUS COORDINATOR OF THE FACULTY:	<a href="mailto:robert.wirski@tu.koszalin.pl">robert.wirski@tu.koszalin.pl</a>
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COURSE TITLE:	Programmable Digital Systems
LECTURER'S NAME:	Dariusz Gretkowski, PhD
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ECTS POINTS FOR THE COURSE:	3
ACADEMIC YEAR:	2021/2022
SEMESTER: (W – winter, S – summer)	W
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 – 30h
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METHOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	Continuous assessment
COURSE CONTENT:	<p>Acquainting with "Architex" computer systems emulation program.</p> <p>Realization of arithmetic operations - sum, difference and shift of 32-bit numbers in the "Architex" environment.</p> <p>Realization of the operation of multiplication of 16-bit signed numbers in the "Architex" environment.</p> <p>Microassembler instructions: loops, macros and subroutines.</p> <p>The implementation of the instructions with one argument - Addressing the direct and indirect operands.</p> <p>The implementation of the two-argument instructions - Direct and indirect registry's addressing.</p> <p>Binary instruction implementation - autoincrementation and autodecrementation.</p> <p>Execution of jump instructions.</p> <p>System tools monitoring the operating system.</p>
ADDITIONAL INFORMATION:	

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