

Title <b>Mikroprocessors and Signal Processors</b>	Code <b>1018011610108120278</b>
Field <b>Electronics and Telecommunications</b>	Year / Semester <b>3 / 6</b>
Specialty -	Course <b>core</b>
Hours Lectures: <b>3</b> Classes: -    Laboratory: -    Projects / seminars: -	Number of credits <b>0</b>
	Language <b>polish</b>

**Lecturer:**

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**Status of the course in the study program:**

Obligatory course for students of Electronics and Telecommunications.

**Assumptions and objectives of the course:**

Knowledge of basic issues concerning microprocessor systems.

**Contents of the course (course description):**

Architecture, operation, interrupts, interfaces, instruction set and assembly language programming of Intel microcontrollers and microprocessors. Memory, I/O devices, timers, DMA controllers and other peripherals used in microcomputer system. Computer system design. Architecture of fixed-point and floating-point digital signal processors. Architecture, operation and assembly language programming of selected Texas Instruments signal processor.

**Introductory courses and the required pre-knowledge:**

Basic knowledge of digital circuits.

**Courses form and teaching methods:**

Lectures.

**Form and terms of complete the course - requirements and assessment methods:**

Written examination.

**Basic Bibliography:**

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**Additional Bibliography:**

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