Title	Code
Microprocessor Systems	**10103112710103201224**
Field: **Electrical Engineering**	Year / Semester: **4 / 7**
Specialty: **Microcomputer control systems in electrical engineering**	Course: **core**
Hours: Lectures: **1** Classes: **-** Laboratory: **1** Projects / seminars: **1**	Number of credits: **4**
	Language: **polish**

Lecturer:

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Status of the course in the study program:

Obligatory course, Faculty of Electrical Engineering, field Electrical Engineering, speciality Microcomputer Control Systems in Electrical Engineering.

Assumptions and objectives of the course:

Absorbing of theoretical and practical knowledge about rules of working, designing and programming of microprocessor systems.

Contents of the course (course description):

Structure of microprocessor system. Architecture and instruction set of Intel MCS51 microcontrolers family and related microcontrollers. ARM7 ADuC7000 family of microcontrolers architecture basics. Assembler and high level languages programing rules. Development and evaluation tools of microprocessor systems.

Introductory courses and the required pre-knowledge:

Basic knowledge about digital technique, binary arithmetic and programming in low- and high-level languages.

Courses form and teaching methods:

Lectures, laboratory experiments.

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

Written tests, laboratory experiments.

Basic Bibliography:

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Additional Bibliography:

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