

Title <b>Metrology</b>	Code <b>1010321241010320149</b>
Field <b>Electrical engineering</b>	Year / Semester <b>2 / 4</b>
Specialty -	Course <b>core</b>
Hours Lectures: - Classes: - Laboratory: <b>1</b> Projects / seminars: -	Number of credits <b>1</b>
	Language <b>polish</b>

**Lecturer:**

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

Obligatory course, Faculty of Electrical Engineering, field Electrotechnics.

**Assumptions and objectives of the course:**

Knowledge of measurement methodology, attributes of modern measuring instrumentation and equipment, principles of using analog and digital measuring devices, and evaluation of measurement results.

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

Examples of measurements of electrical and nonelectrical quantities and evaluation of their results. Testing of a stabilized voltage source. Measurements of resistance. Measurements of capacity. Digital measurements of frequency. Measurements with oscilloscopes.

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

Fundamentals of mathematics, physics, electrotechnics and electronics.

**Courses form and teaching methods:**

Lectures, laboratory exercises.

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

Tests and reports on laboratory exercises.

**Basic Bibliography:**

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**Additional Bibliography:**

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