

Title <b>Probability and stochastic methods</b>	Code <b>1018011110103400048</b>
Field <b>Electronics and Telecommunications</b>	Year / Semester <b>1 / 1</b>
Specialty -	Course <b>core</b>
Hours Lectures: <b>2</b> Classes: <b>1</b> Laboratory: -    Projects / seminars: -	Number of credits <b>4</b>
	Language <b>polish</b>

**Lecturer:**

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

Obligatory course, Faculty of Electronics and Telecommunications, field Electronics and Telecommunications.

**Assumptions and objectives of the course:**

The student should know basic problems relating to probability and random processes.

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

Events and probability. One-, two- and n-dimensional random variables. Functions of one random variable. Characteristic function. Definition of random process. Classification of random processes. Mean, auto- and cross-covariance.

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

Basic knowledge of mathematical analysis and theory of sets.

**Courses form and teaching methods:**

Lectures and exercises.

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

Written tests.

**Basic Bibliography:**

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**Additional Bibliography:**

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