

Title Engineering statistics	Code 10102542310102101519
Field Mechanical Engineering	Year / Semester 2 / 3
Specialty -	Course core
Hours Lectures: 1 Classes: 8 Laboratory: - Projects / seminars: -	Number of credits 4
Language polish	

Lecturer:

- Małgorzata Jankowska, Ph.D., Eng.
tel. +48 (61) 665-20-69
e-mail: malgorzata.jankowska@put.poznan.pl

Faculty:

Faculty of Mechanical Engineering and Management
ul. Piotrowo 3
60-965 Poznań
tel. (061) 665-2361, fax. (061) 665-2363
e-mail: office_dmef@put.poznan.pl

Status of the course in the study program:

- Core course at the Faculty of Mechanical Engineering and Management to first degree studies.

Assumptions and objectives of the course:

- Ability to apply statistics in engineering.

Contents of the course (course description):

- The program of the subject includes familiarization students with some basic ideas of probability theory and elements of descriptive statistics and mathematical statistics. Within the scope of probability theory the following issues are mentioned: random events, probability, random variables (discrete and continuous) and theirs characteristics. Then in the area of descriptive statistics we present the general population, random sample, frequency distribution and some measures of location and dispersion. Furthermore, a short introduction to the interval estimation is given.

Introductory courses and the required pre-knowledge:

- Knowledge of mathematical analysis and set theory.

Courses form and teaching methods:

- Lectures and classes.

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

- Written exam.

Basic Bibliography:

Additional Bibliography: