

Course title: **Probability and Statistics**
Institute/Division: Institute of Mathematics, Faculty of Physics, Mathematics and Computer Science

Course code:
Erasmus subject code: 11.0 Mathematics
Number of contact hours: 45 hours
Course duration: 1 semester
ECTS credits: 6
Course description: The course provides an elementary introduction to probability and statistics with applications. Topics include: basic probability models, combinatorics, random variables, discrete and continuous distributions, law of large numbers, central limit theorems, confidence intervals, statistical estimation and testing.

Literature: T.T. Soong, Fundamentals of Probability and Statistics for Engineers, John Wiley & Sons Ltd, 2004
M. Capiński, T. Zastawniak, Probability Through Problems, Springer-Verlag, New York 2001.

Course type: Lectures, classes
Assessment method: Two tests during the semester, final exam
Prerequisites: Calculus
Primary target group: Computer Science, Engineering Sciences, I level
Lecturer: Margareta Wiciak, PhD
Contact person: Margareta Wiciak, e-mail: mwiciak@pk.edu.pl
Deadline for application: 15th of January