



<b>Course title:</b>	<b>Probability and Statistics</b>
<b>Department:</b>	Department of Mathematics
<b>Course code:</b>	F2-PS
<b>Erasmus subject code:</b>	11.0 Mathematics
<b>Number of contact hours:</b>	45 hours
<b>Course duration:</b>	1 semester
<b>ECTS credits:</b>	6
<b>Course description:</b>	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.
<b>Literature:</b>	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.
<b>Course type:</b>	Lectures, classes
<b>Assessment method:</b>	Two tests during the semester, final exam
<b>Prerequisites:</b>	Calculus
<b>Primary target group:</b>	Computer Science, Engineering Sciences, I level
<b>Lecturer:</b>	Margareta Wiciak, PhD
<b>Contact person:</b>	Margareta Wiciak, e-mail: <a href="mailto:mwiciak@pk.edu.pl">mwiciak@pk.edu.pl</a>
<b>Deadline for application:</b>	15th of January
<b>Remarks:</b>	