Title:	**Probability and Statistical Methods in Economy**
Lecture hours:	45
Study period: (summer/winter)	winter or summer
Number of credits:	6
Assessment methods:	classroom assessment, project, written exam
Language of instruction:	English
Prerequisites:	basic Probability and Statistics
Course content:	Introduction and descriptive statistics; normal distribution; sampling distributions; intervals of confidence; hypothesis testing; comparison of two populations; variance analysis; simple linear regression and correlation; time series, forecasting; nonparametric methods and chi-square test; Bayesian statistics and decision analysis appendices; sampling methods.
Learning outcomes:	By the end of the course students should know: methods of a structure analysis, basic distributions, methods of determining confidence intervals, methods of hypothesis testing, methods of correlation and regression analyses, theory of forecasting, theory of Bayesian statistics.
Name of lecturer:	Dr Katarzyna Chmielewska
Contact (email address):	kasiach@ukw.edu.pl
Literature:	Douglas C. Montgomery, George C. Runger, *Applied Statistics and Probability for Engineers*, John Wiley & Sons, Inc, USA 2003 Amir D. Aczel, *Complete Business Statistics*, Hardcover – 2012