

Course title:	Foundations of statistics				Code:
Field of study:	Tourism and recreation				Year/Semester: 2
Specialization:	all				Modes: F/E
Number of hours / semester 30/16					ECTS credits: 5
Lectures: 15/8	Classes: 15/8	Laboratories:	Projects:	Seminars:	

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Department: Management and Marketing

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Course position in the study programme:

- specialization course

Objectives:

- becoming familiar with the methods of statistical analysis and gaining the ability of making simple statistical analysis

Course contents:

1. What is statistics? (statistics: what is it?, introduction to basic terms, the role of statistics in managerial decision-making)
2. Descriptive analysis and presentation of single-variable data:
 - a) graphic presentation of data
 - b) statistics series
 - c) calculated descriptive statistics (measures of central tendency, measures of dispersion, measures position)
3. Descriptive analysis and presentation of bivariate data:
 - a) bivariate data
 - b) linear correlation and linear regression

Teaching methods: lectures, classes

Assessment methods: written final quiz comprising lectures and classes

Recommended reading:**Compulsory:**

1. Liskowski M., Tauber R.D., Podstawy statystyki praktycznej, Wyd. WSHiG., Poznań 2003
2. Starzyńska W., Statystyka praktyczna, PWN, Warszawa 2000

Supplementary:

1. Kędelski M., Roeske- Słomka J., Statystyka, Wyd. Akademii Ekonomicznej, Poznań 1998
2. Sobczyk M., Statystyka, PWN 1991