

	<u>Subject title:</u> BUSINESS STATISTICS			
<u>Subject code:</u>	<u>Subject Status:</u>	<u>Semester:</u>	<u>Credit value:</u>	<u>Teaching load:</u>
MBS/M09	Compulsory	III	6	3L+3T

<u>Study programme:</u> Academic Undergraduate Studies: Financial Management
<u>Responsible Staff:</u> Professor Janko Radulović, PhD; Teaching Assistant: Mirjana Čizmović, MSc
<u>Pre-requisite:</u> Nil
<u>Mode of study</u> Lectures, tutorials, case studies, seminar papers, consultations
<u>Assessment:</u> tests, individual work, tutorial participation, final exam
<u>Objectives:</u> Analysis, introduction to and understanding of the basic statistical methods and models, the knowledge of which is considered to be a necessary prerequisite for conducting the economic analysis and research. The focus is on presenting the theoretical models, their concrete applications, with the correct interpretation of the results obtained.

SYLLABUS:

- Probability, elements of combinatorics, random variable, distribution function;
- Collecting and processing the statistical data;
- Average values - calculated and positional;
- Raw and central moments;
- Models of continuous distribution - Normal, Student and Fischer distribution
- Estimates based on a sample
- Statistical hypothesis testing
- Regression and correlation analysis
- Multiple regression
- Index numbers
- Time-series analysis
- Seasonal variations and methods of calculating seasonal indices

READING LIST AND REFERENCES:

- Paul Newbold, William L. Carlson, Betty M. Thorne: *Statistics for Business and Economics*, Pearson Education, Inc.