COURSE TITLE	BUSINESS STATISTICS						
Course code	SRF009/STT003	Year of st	tudy	First			
	Nada Roguljić, senior	ECTS		5			
Lecturer(s)	lecturer	(Number	of credits				
	lecturer	allocated)					
A		Total lesson hours per		Lecture	Seminar	Practical	Laboratory
Associates		semester		15			30
Course status	Compulsory	Percentag	ge share of e-	35%			
	COURS	SE DESC	RIPTION				
Course Objectives	 To develop students' ability to apply basic statistical techniques and methods for grouping, tabular and graphical presentation of data, using the computer program MS Excel To train students for analyzing and interpreting statistical information (data) 						
Course enrolment requirements and entry competencies required for the course	None						
	1. Define basic statistical terms (population, sample, types of statistical variab						ables)
Learning outcomes	es 2. Organize data into appropriate tabular and graphical formats						
	 Use MS Excel to summarize, analyze, and visualize data Calculate measures of central tendency and dispersion Interpret significance of calculated statistical parameters 						
On successful							
completion of this							
should be able to:	 Identify time series data with absolute and relative indicators Use basic regression analysis in examination of cause – effect relationships. 					ine	
						nps. ofinitiona	
Course content	Introduction to the course. The concept and mission of statistics in business. Definitions of basic statistical terms (sample, population, data, data types). Descriptive statistics in MS Excel. Formation of statistical series: organization and graphical representation of qualitative data, grouping and displaying of quantitative discrete data, grouping and displaying of quantitative continuous data. Frequency distribution, relative frequencies distribution and cumulative frequencies distribution. Two-and multidimensional frequency distribution - contingency tables. Measures of central tendency: arithmetic mean, mod, median, quartiles. Measures of dispersion: range, interquartile range and quartile deviation coefficient, variance and standard deviation, coefficient of variation. Correlation and regression: simple linear regression model, determination of linear regression equation, inear correlation coefficient. Nonlinear regression models: simple exponential regression model, power model. Time series: graphical representation of the time series data, individual indices, chain and fixed base indices. Aggregate indices. Special types of aggregate indices (stock exchange, consumer basket). Trend models: linear trend model, exponential trend model. Application of the trend models for prognostic purposes.						
Types of teaching:	 ☑ lecture □ seminars and workshop ☑ practical ☑ combined e-learning 		 □ self-study □ multimedia ⊠ laboratory □ mentoring we 	ork			

	□ field research			□ (others)				
Student obligations	Attending classes, doing home assignments.							
Monitoring student work (enter the share in ECTS credits for each activity so that the total number of ECTS credits corresponds to the credit value of the course):	Class attendance	1,5	Research		Practical work			
	Experimental work		Report		(others)			
	Essay		Seminar		(others)			
	Self-study	2	Workshop		(others)			
	Project		Office hours, mid-term exams and final exam	1,5	(others)	(others)		
	CONTINUOUS ASSESSMENT							
	Continuous testing indicators				Performance <i>A</i> i (%)	Grade ratio <i>k</i> i (%)		
	First mid - term e	rst mid - term exam				50		
	Second mid - ter	m exam			50-100	50		
	Students who have not passed the exam through mid-term exams take the final exam							
	FINAL ASSESSMENT							
	Indicators checks – final exam (first and second exam term)				Performance <i>A</i> i (%)	Grade ratio <i>k</i> i (%)		
Assessment and	Practical exam (on the computer)				50 - 100	100		
evaluation of student work during	Indicators checks – (third and fourth exam term)				Performance <i>A</i> i (%)	Grade ratio <i>k</i> i (%)		
final exam	Practical exam (on the computer)				50 - 100	100		
	The grade (in percentages) is formed on the basis of all indicators that describe the level of student activities according to the relation: $Grade (\%) = \sum_{i=1}^{N} k_i A_i$ k_i - weighting factor for each activity, A_i - success in percentage achieved for a particular activity, N- total number of activities.							
	PERFORMANCE AND GRADE							
	Percentage			Criteria	1	Grade		
	50% - 61%		bas	sic criteri	a met	sufficient (2)		
	62% - 74%		average perfo	rmance	with some errors	good (3)		

	75% - 87%	above average performance with minor errors	very good (4)			
	88% - 100%	outstanding performance	outstanding (5)			
Required reading	 Mikelić, K.: Nastavni materijal za predavanja (Moodle) Roguljić, N.: Poslovna statistika, laboratorijske vježbe u MS Excelu, interni materijali za praktikum (Moodle) 					
Optional reading	 Šošić, I.: Primijenjena statistika, Školska knjiga, Zagreb 2006. Domijan, Ž.: Statistika, Veleučilište u Splitu, Split, 2003. Papić, M.: ,Statistika u MS Excel, Naklada Zoro, Zagreb 2005 					
Quality monitoring to ensure the acquisition of established learning outcomes	 Records of class attendance and success in performing student obligations Updating detailed course curricula Supervision of teaching activities Continuous quality control of all parameters of the teaching process in accordance with the Action Plans Semester-based student survey in accordance with the "Ordinance on the procedure of student evaluation of teaching work at the University of Split" (UNIST, Centre for Quality Improvement). 					
Other information						