

Ekonomski fakultet / BUSINESS AND ECONOMICS / STATISTICS FOR BUSINESS AND ECONOMICS

Naziv predmeta:	STATISTICS FOR BUSINESS AND ECONOMICS			
Šifra predmeta	Status predmeta	Semestar	Broj ECTS kredita	Fond časova (P+V+L)
14299	Obavezan	2	8	2+2+0
Studijski programi za koje se organizuje	BUSINESS AND ECONOMICS			
Uslovljenost drugim predmetima	no			
Ciljevi izučavanja predmeta	Mass phenomenon is one of the basic features of modern civilization. Therefore, it is necessary to scientifically describe, analyze and report such occurrences through different indicators. This is precisely the task of statistics as a scientific discipline. Students are introduced to basic statistical concepts and statistical methods.			
Ishodi učenja	After passing exam in Statistics, students are expected to be able to: • correctly interpret basic statistical concepts; • select and apply appropriate statistical methods in the specific case; • analyse and interpret the results obtained using statistical methods; • follow and understand professional and scientific literature in which results are expressed in statistical terms and symbols; • plan, implement and interpret simple research tasks in which the acquired statistics knowledge is used.			
Ime i prezime nastavnika i saradnika	Prof. Dr. Vesna K. Karadžić Dr Bojan Pejović			
Metod nastave i savladanja gradiva	Lectures, homework, colloquiums, regular consultations.			
Plan i program rada				
Pripremne nedjelje	Priprema i upis semestra			
I nedjelja, pred.	Statistics, data and statistical thinking.			
I nedjelja, vježbe	Statistics, data and statistical thinking.			
II nedjelja, pred.	Sorting and processing of statistical data, statistical series, and graphics.			
II nedjelja, vježbe	Sorting and processing of statistical data, statistical series, and graphics.			
III nedjelja, pred.	Descriptive statistics: Mean values.			
III nedjelja, vježbe	Descriptive statistics: Mean values.			
IV nedjelja, pred.	Descriptive statistics: measures of variation.			
IV nedjelja, vježbe	Descriptive statistics: measures of variation.			
V nedjelja, pred.	Probability: basic concepts.			
V nedjelja, vježbe	Probability: basic concepts.			
VI nedjelja, pred.	Probability: discrete random variables.			
VI nedjelja, vježbe	Probability: discrete random variables.			
VII nedjelja, pred.	Probability: continuous random variables.			
VII nedjelja, vježbe	Probability: continuous random variables.			
VIII nedjelja, pred.	Sampling distributions.			
VIII nedjelja, vježbe	Sampling distributions.			
IX nedjelja, pred.	Inferences based on a single sample: estimation with confidence intervals.			
IX nedjelja, vježbe	Inferences based on a single sample: estimation with confidence intervals.			
X nedjelja, pred.	Inferences based on a single sample: tests of hypothesis.			
X nedjelja, vježbe	Inferences based on a single sample: tests of hypothesis.			
XI nedjelja, pred.	Analysis of variance.			
XI nedjelja, vježbe	Analysis of variance.			
XII nedjelja, pred.	Simple linear regression.			
XII nedjelja, vježbe	Simple linear regression.			

XIII nedjelja, pred.	Multiple regression.					
XIII nedjelja, vježbe	Multiple regression.					
XIV nedjelja, pred.	Correlation analysis.					
XIV nedjelja, vježbe	Correlation analysis.					
XV nedjelja, pred.	Time series: components, trend, MA; Index numbers.					
XV nedjelja, vježbe	Time series: components, trend, MA; Index numbers.					
Opterećenje studenta	2+2					
Nedjeljno			U toku semestra			
8 kredita x 40/30=10 sati i 40 minuta 2 sat(a) teorijskog predavanja 0 sat(a) praktičnog predavanja 2 vježbi 6 sat(a) i 40 minuta samostalnog rada, uključujući i konsultacije			Nastava i završni ispit: 10 sati i 40 minuta x 16 =170 sati i 40 minuta Neophodna priprema prije početka semestra (administracija, upis, ovjera): 10 sati i 40 minuta x 2 =21 sati i 20 minuta Ukupno opterećenje za predmet: 8 x 30=240 sati Dopunski rad za pripremu ispita u popravnom ispitnom roku, uključujući i polaganje popravnog ispita od 0 do 30 sati (preostalo vrijeme od prve dvije stavke do ukupnog opterećenja za predmet) 48 sati i 0 minuta Struktura opterećenja: 170 sati i 40 minuta (nastava), 21 sati i 20 minuta (priprema), 48 sati i 0 minuta (dopunski rad)			
Obaveze studenta u toku nastave			2 in-class mini-tests, group mini-research project and individual presentations (4x5 points=20 points) Colloquium 40 points and Final exam 40 points.			
Konsultacije			Tuesday from 9:00, 420.			
Literatura			James. T. McClave, Benson G.B., Sincich T., Statistics for Business and Economics, 14th Edition, Published by Pearson (July 13, 2021)©2022			
Oblici provjere znanja i ocjenjivanje			Colloquium and Final exam.			
Posebne naznake za predmet						
Napomena						
Ocjena:	F	E	D	C	B	A
Broj poena	manje od 50 poena	više ili jednako 50 poena i manje od 60 poena	više ili jednako 60 poena i manje od 70 poena	više ili jednako 70 poena i manje od 80 poena	više ili jednako 80 poena i manje od 90 poena	više ili jednako 90 poena