Stuc			UNIVERSITY OF EAST SARAJEVO Faculty of Philosophy							
		Study pro	grams: Ma							
			Bachelor IV - year of studies				ıdies	OF CASE		
Full course title PRO			LITY AND S	STATISTICS						
Chair Department of Mathematics - Faculty of Philosophy										
Course code			Status		Semester		ECTS			
MP8-3			O VIII				5			
Lecturer/s	Ass	ist. Prof. Va	. Valentina Timotic, PhD							
Teaching assistant/s	Ogr	njen Papaz	paz							
Number of classes / teachin (weakly)			rkload Individual workload			kload (number semester)	of hours per	Individual workload coefficientSo1		
L	AE	.,,	LE	L		AE	LE	So		
2	2		0	45		45	0	1,5		
total teaching workload (numbe			ours per semester) total individual workloa			rkload (numbe 90h	d (number of hours per semester) 90h			
Total course workload (teaching + individual): 150 hours per semester										
Learningoutcome s		 Getting familiar with basic concepts of probability. The student got knowledge of the probabilistic measure. Application of statistics in many other disciplines. 								
Requirements No.										
Teaching methodology			ercise and application							
1. Probab2. Kolmog3. Conditi4. Indepe5. Randor6. Numeri7. Distribu8. Charac9. Differer10. Centra11. Aims12 Estima13. Confid14 Statis15. Lineal		Probability sp Colmogorov's Conditional p ndependenc Random varia Jumerical ch Distributions. Characteristic Different type Central limit Aims and ta Estimates o Confidence Statistical hy Linear regre	ility space (Ω,F,P). orov's axioms and corollaries. onal probability. ndence of events. n variable. cal characteristics of random variables. tions. teristic function. it types of convergence. al limit theorem. and tasks of mathematical statistics. ates of distribution parameters. lence inervals. tical hypothesis testing.							
				Compulsor	ry read	ling list				
Author			Title, publisher				Year	Pages (from-to)		
M. Merkle, P. Vasic		Vero Elek	erovatnoca i statistika- sa primenama i primerima, lektrotehnicki fakultet Beograd							
S.M. Ross		A fir	A first course in probability, Pearson Prentice Hall 2010							
Complementary reading list								_		
Author/s			Title, publisher Year					Pages (from-to)		

Obligations, forms		Types of student work evaluation	Points	Percentage						
	Pre-exam obligations									
		e.g. attendance of lectures/exercise	s 10	10						
		e.g. positively graded project/essa	y 10	10						
or assessment		e.g. test/colloquia	1 20	20						
and grading		e.g. test/colloquia	2 20	20						
	Final exam									
		e.g. final exam (oral/written) 40	40						
	TOTAL		100	100 %						
Web page	ffuis.edu.b	a								
Date of verification										