Annex	Annex No. 3		S	Second Cycle Studies Subject Programme						
1.	Title of subject			Statistics for business in insurance						
2.	Code		N	MO505						
3.	Study programme		Management in insurance							
4.	Organizer of the study (university unit i.e., ins department)	Organizer of the study programme university unit i.e., institute, chair, lepartment)			Faculty of Economics - Skopje Ss. Cyril and Methodius University in Skopje					
5.	Level (first, second, third cycle)			Second cycle						
6.	Academic year / semes	ter	2 1 (v	2022/2023 st semester winter)	7.	Number of ECTS credits	6			
8.	Professor		Р	Prof. Kalina Tre						
9.	Preconditions for enrolment			Completed first cycle of studies with obtained minimum of 240 credits.						
10.	Course Objectives (Competencies): Students should acquire knowledge and skills for employing a statistical analysis in the insurance companies.									
11.	Course contents: 1. Introduction 2. Statistical basis 2.1. Discontinuous (discrete) random variable 2.2. Discontinuous distribution patterns (discrete distributions) 2.2.1. Binomial distribution 2.2.2. Poisson distribution 2.3. A continuous (continuous) random variable 2.4. Continuous distribution models (continuous distributions) 2.4.1. Normal distribution 2.4.2. Population and samples 2.4.3. Sample size and accuracy 2.4.4. Central Limit Theorem 2.5. Claims assessment 2.5.1. Maximum likelihood estimation 2.5.2. Bayesian estimation 2.6. Testing the suitability (approximation) of the model the distribution 3. Distributions of claims 3.1. Exponential distribution									
12.	Learning methods: interactive lectures with presentations, problem solving exercises, team projects, individual tasks, and home learning.									
13.	Total hours			6 ECTS x 30 c	lasses =	= 180 hours				
14.	Distribution of the time at disposal			24+16+40+10+90=180 hours						
15.	Types of teaching activities15.1.15.2.		.1.	Lectures			24 hours			
			.2.	Tutorials (labo teamwork	ratory,	auditory), seminars,	eminars, 16 hours			
16.	Other types of activities 16.		.1.	Project assignments			40 hours			
			.2.	Individual assi	10 hours					
	16.3.			ndividual and	troup	60+20+10 =	100 points			
17.	Assessment methods: combination of tests				60 points					
	17.1. ICSIS			2	30 points					
	17.2.	Attendance er	10 points							
	11.J.		10 points							

18.	Grading scale			up to 60 points	5 (five) (F)						
			t	from 61 to 68 poi	6 (six) (E)						
			t	from 69 to 76 poi	7 (seven)	7 (seven) (D)					
		from 77 to 84 points				8 (eight) (C)					
		from 85 to 92 points			9 (nine) (B)						
			f	rom 93 to 100 po	ints	10 (ten)	10 (ten) (A)				
19.	Preconditions for taking	the final e	exam	Realized activit	id 16						
20.	Language	nguage			Macedonian						
21.	Evaluation method			Student questionnaire and other methods for continual selfevaluation.							
22.	Literature										
	22.1.	Mandatory literature									
		No.	Autho	or	Title	Publisher	Year				
		1.	Slave Risteski and Dragan Tevdovski		Statistics for business and economics, 4 th edition	Faculty of Economics - Skopje	2010				
		2.	Paul N Carlsc Thorn	Jewbold, William on and Betty e	Statistics for Business and Economics	Magor, Skopje	2010				
	22.2.	Additional literature									
		No.	Autho	or	Title	Publisher	Year				
		1.	Murra	y R. Spiegel	Statistics, 2ed	McGraw Hill, London	1990				
		2.	Prem	S. Mann	Statistics for business and economics	John Wiley and Sons Inc., New York	1995				
		3.	Milev Lovrič Pavlič	a Žižić; Miodrag ć; Dubravka ić	Metodi statističke analize	Ekonomski fakultet, Beograd	1992				