Annex No. 3		**Second Cycle Studies Course Programme**			
1.	Course Title	Econometric Theory			
2.	Code	STM515			
3.	Organizer of the study programme (university unit i.e. institute, chair, department)	Ss. Cyril and Methodius University in Skopje Faculty of Economics - Skopje			
4.	Level (first, second, third cycle)	Second Cycle Studies Course Programme Statistical Methods for Business and Economics			
6.	Academic year	First year (winter semester)	7.	Number of ECTS credits	6
8.	Professor	Prof. Vesna Bucevska, PhD			
9.	Preconditions for enrolment	Completed first cycle of studies with at least 240 credits and have basic knowledge of econometrics.			
10.	Course Objectives (Competencies): The aim of the course is to enable students to understand econometric methods and techniques, their strengths and weaknesses and to provide them with a solid foundation for applying econometric methods and models on real data and problems in business and economics. Students will be able to identify problems in formulating, evaluating and applying econometric models, to construct data, specify an econometric model, evaluate the parameters of that model and verify the model, interpret the results obtained in an economic framework, use the estimated model to test the economic theory underlying that model and to predict future economic activity based on the estimated quantitative relations. Through computer exercises based on actual statistical data, students will have an opportunity to implement econometric methodology in empirical research using econometric computer packages.				
11.	Course content: 1. Introduction to econometric modeling 2. Classic simple linear regression model: specification and evaluation 3. Classic multiple linear regression model: specification and evaluation 4. Conclusion and prediction in the multiple regression model 5. Large sample results and alternative estimators in the classical linear regression model 6. Heteroskedasticity 7. Autocorrelated stochastic members 8. Functional form, nonlinearity and specification 9.Specific types of econometric models (Simultaneous equation models and Panel models)				
12.	Learning methods: • Lectures and exercises in the multimedia center of the TEMPUS project "Statistical Methods for Business and Economics" at the Faculty of Economics at UKIM using appropriate computer packages (EViews); • Individual consultations with doctoral students; • Preparation of scientific and professional papers with appropriate application of econometric methods and use of appropriate computer software, their public presentation and discussion of the research results; • Preparation of an essay on a given topic; • Colloquia / tests to check the acquired knowledge.				
13.	Total hours	6 ECTS x 30 classes = 180 classes			
14.	Allocation of hours per activity	24+16+40+10+90 =180classes			
15.	Types of teaching activates	15.1.	Lectures	24 classes	
		15.2.	Exercises (Seminars)	16 classes	
16.	Other types of activities	16.1.	Project tasks	40 classes	
		16.2.	Independent tasks	10 classes	

		16.3	Home study	90 classes
17.	Grading method: 60+30+10 = 100 points			
	17.1.	Tests (Domain, Essay, Multiple choice exam, Case)		60 points
	17.2.	Project work presentation (written and oral), computer exercise		30 points
	17.3.	Attendance and class participations		10 points
18.	Grading scale		less than 50 points	5 (five) (F)
			from 51 to 60 points	6 (six) (E)
			from 61 to 70 points	7 (seven) (D)
			from 71 to 80 points	8 (eight) (C)
			from 81 to 90 points	9 (nine) (B)
			from 91 to 100 points	10 (ten) (A)
19.	Preconditions for taking the final exam		Realized activities from points 15 and 16	
20.	Language		Macedonian (or English)	
21.	Evaluation method		Internal evaluation and survey	

22.

Literature

22.1. Compulsory literature

No.	Author	Title	Publisher	Year
1.	Bucevska, V.	*Econometrija so primena na EViews (Econometrics with Application of EViews)*	Ss. Cyril and Methodius University in Skopje, Faculty of Economics-Skopje	2016
2.	Gujarati, D. N. and Porter, D.C.	*Basic Econometrics w/Data Disk,* 5th edition,	McGraw and Hill	2017
3.	Gujarati, D.N.	*Student Solutions Manual t/a Basic Econometrics*, 4th edition	McGraw and Hill	2012

22.2. Additional literature

No.	Author	Title	Publisher	Year
1.	Stock, J. H. , Watson, M.W.	*Introduction to Econometrics, Third Edition*	Pearson	2017
2.	Vogelvang, B	Econometrics: Theory & Applications With Eviews 3rd edition	Financial Times Management	2005

		3.	Wooldridge, J.	Introductory Econometrics: A Modern Approach, 7th edition	Cengage Learning	2019