

Annex No. 3		Second Cycle Studies Course Programme			
1.	Course Title	Methods for Scientific Research			
2.	Code	EDIF 590			
3.	Study programme	Economic Development and International Finance			
4.	Organizer of the study programme (university unit i.e. institute, chair, department)	Ss. Cyril and Methodius University in Skopje Faculty of Economics - Skopje			
5.	Level (first, second, third cycle)	Second cycle			
6.	Academic year / semester	First year / second (spring) semester	7.	Number of ECTS credits	6
8.	Professor	Prof. Vesna Bucevska, PhD			
9.	Preconditions for enrolment	None			
10.	<p>Course Objectives (Competencies): After taking this course, students should be able to understand and explain:</p> <ol style="list-style-type: none"> 1. the essential attributes of science and scientific-research work and the meaning of the learned realities, ie. scientific laws; 2. to recognize stages of research in science, and in that context the meaning of the concepts: theory, model, hypothesis, testing of hypotheses; 3. the strict procedures of the scientific method and the specifics of the scientific methodology in the social and especially in the economic sciences; 4. the usual scientific methods used by the social, and in that context the economic sciences: observation, description, analysis and synthesis, induction and deduction, comparative analysis, historical-logical method; 5. quantitative methods of economic analysis - mathematical, statistical and econometric; 6. the basic components of the statistical and econometric analysis of economic phenomena 7. Assumptions and components of the classical regression model 8. different degrees of professional and scientific works with special reference to the methodology and techniques of preparation of master's and doctoral theses 				
11.	<p>Course content:</p> <ol style="list-style-type: none"> 1. Essential characteristics of science and scientific research work 2. The special nature of the social sciences with special reference to the economic sciences 3. Basic models in modern economic science (model of preferences and consumer choice, model of profit maximization of the company in different market structures) - mathematical formulation 4. Scientific methods and scientific methodology: -phases of research in science (observation, hypothesis, model, theory, discovery of laws) -general scientific methods - analysis and synthesis, induction and deduction, abstraction, historical method, logical method, comparative method, 5. Statistical methodology for research of economic phenomena - general aspects 6. Econometric methodology for research of economic phenomena - general aspects 7. Classical econometric regression model 8. The methodology and the techniques of preparation of master's and doctoral theses 				
12.	Learning methods:				

13.	Total hours	6 ECTS x 25 classes = 150 classes				
14.	Allocation of hours per activity	40+10+25+30+45 = 150 classes				
15.	Types of teaching activates	15.1.	Lectures	40 classes		
		15.2.	Exercises (Seminars)	10 classes		
16.	Other types of activities	16.1.	Project tasks	25 classes		
		16.2.	Independent tasks	30 classes		
		16.3	Home study	45 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.	В. Лоренс Њуман	<i>Опитествено истражувачки методи, Шесто издание (превод од Проектот на Владата на РМ)</i>	Просветно дело Скопје	2009
		2.	Bucevska, V.	<i>Економетрија со примена на Eviews, второ издание</i>	Faculty of Economics-Skopje	2016
	3.	Risteski S., Tevdovski D	<i>Statistika za biznis i ekonomija, 4to izdanie</i>	Faculty of Economics-Skopje	2010	
	22.2.	Additional literature				
No.		Author	Title	Publisher	Year	

		1.	Mark Blaug	<i>The Methodology of Economics: Or how economists explain, Second Edition</i>	Cambridge University Press	2006
		2.	Kothari, C. R.	<i>Research Methodology Methods and Techniques (Second Revised Edition)</i>	New Age International Publishers	2004
		3.	Silberberg, E., Suen, W	<i>The structure of economics: A mathematical Analysis, 3rd edition</i>	McGraw-Hill/Irwin	2000