

STUDY PROGRAMME - FINANCE AND BANKING**First semester**

CODE	COURSE	Credits	Classes	Total (PT)*
4EK203312	MODERN MONEY CONCEPTS	6	2+2+1	156
4EK203412	CORPORATE FINANCE	6	2+2+1	156
4EK203512	COMERCIAL AND INVESTMENT BANKING	6	2+2+1	156
	ELECTIVE COURSE /faculty	4	2+1+1	120
	ELECTIVE COURSE /faculty	4	2+1+1	120
	ELECTIVE COURSE /university	4	2+1+1	120
TOTAL CREDITS		30	12+9+6	828
ELECTIVE COURSES (choose two)				
4EK203712	FINANCIAL INSTITUTIONS MANAGEMENT	4	2+1+1	120
4EK203812	FINANCIAL INSTRUMENTS MANAGEMENT	4	2+1+1	120
4EK204012	CREDIT RISK MANAGEMENT	4	2+1+1	120
4EK204112	GLOBAL ELECTRONIC PAYMENTS	4	2+1+1	120
UGD203212	RESEARCH METHODOLOGY	4	2+1+1	120
UGD202312	APPLIED DATA ANALYSIS	4	2+1+1	120

Second semester

CODE	COURSE	Credits	Classes	Total (PT)*
4EK203612	BANKING RISKS	6	2+2+1	156
	DISSERTATION	24	0+0+22	672
TOTAL		30	2+2+23	828

Annex No.3		Program of the Course - second cycle studies			
1.	Title of the Course	MODERN MONEY CONCEPTS			
2.	Code	4EK203312			
3.	Study Program	FINANCE AND BANKING			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	FIFTH/FIRST	7.	Number of credits	6
8.	Professor (s)	Prof. PhD Risto Fotov Ass. Prof PhD Krste Sajnoski			
9.	Requirements for enrollment the Course				
10.	Purposes of the curriculum (competencies): With the study of contemporary conceptions of the money postgraduates will deepen their prior knowledge and understanding of the role of money and credit in the economic development of the national economies and in international relations. The aim is to understand the different concepts (monetary, Keynesian, complex, basic) arising from different understandings of the phenomenon of money in the process of their dematerialization (from commodity money to paper and electronic money); that the form does not change their essence; understand the reasons for the emergence of different conceptions of money, in the context of the time in which they emerge and problems that should be solved with their application. Interest for the study comes from the controversy about their effectiveness in overcoming the worst global financial and economic crisis since World War II.				
11.	Content of the course program: <ul style="list-style-type: none"> - Money supply and macroeconomic liquidity - Analysis of the Money Market - Strategic monetary theories - Inflation and disinflation - Monetary conceptions - Instruments of monetary and credit policy 				

12.	Learning methods: method of written and oral exposure			
13.	Total available time		156	
14.	Distribution of available time		2+2+1	
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	2 hours
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work	
16.	Други форми на активности	16.1.	Project tasks	2 hours
		16.2.	Individual tasks	hours
		16.3.	Home learning	1 hours
17.	Method of assessment			
	17.1.	Tests / oral exams		70 points
	17.2.	Seminars (paper / project - presentation: written and/or oral)		10 points
	17.3.	Activity and participation		20 points
18.	Assessment Criteria (points / score)		up 50 points	5 (five) (F)
			51 to 60 points	6 (six) (E)
			61 to 70 points	7 (seven) (D)
			71 to 80 points	8 (eight) (C)
			81 to 90 points	9 (nine) (B)
			91 to 100 points	10 (ten) (A)
19.	Signature requirement and passing the final exam	Reacing 60% from two exams and final exam		
20.	Language of teaching / study	Macedonian		
21.	Method of monitoring the quality of teaching	Self-evaluation		

22.	Literature		
	22.1.	Required literature	

No.	Author	Title	Publisher	Year	
1.	PhD Milutin Cirovic	Monetary economy	Beograd	1998	
2.	PhD Aleksandar Zivkovic PhD Grdimir Kozetinac	Monetary economy	Economic Faculty Beograd	2008	
3.					
22.2.	Additional literature				
	No.	Author	Title	Publisher	Year
	1.	Mishkin S. Frederic	The Economics of Money, Banking and Financial Markets	Scott, Foresmen and Company, Glenview, Illinois	
	2.	Jesus Huerta de Soto	Money. Bank credit and Economic Cycles'	Ludwig von Mises Institut,, Auburn, Alabama	
	3.				

Annex No.3		Program of the Course - second cycle studies			
1.	Title of the Course	CORPORATE FINANCE			
2.	Code	4EK203412			
3.	Study Program	FINANCE AND BANKING			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	FIFTH/FIRST	7.	Number of credits	6
8.	Professor (s)	PhD Risto Fotov PhD Milan Ilieski			
9.	Requirements for enrollment the Course				
10.	Purposes of the curriculum (competencies): The main objective of the course consists in familiarizing students with the ways in which modern companies collect funds, allocate and make financial decisions through which create value for owners. It is an update of the knowledge acquired by one of the basic financial items which meets once under the name commercial finance				

	<p>or financial management. Great changes and dynamism that characterize the business environment has pushed the need for continuous growth of the level of knowledge required in the field of financial management. By expanding the knowledge of this course students will be able to meet and gain knowledge, but also with the methods and techniques, and even with certain skills in a dynamic business environment will be of great benefit in the process of making numerous business decisions, especially when it comes to financial decisions.</p>			
11.	<p>Content of the course program:</p> <p>I Corporate Finance-financial management</p> <p>The role of financial management, objectives of corporate finance and governance, financial markets and financial instruments, the higher concepts of financial management, determination of the value of long-term securities; capital budgeting techniques, methods for evaluation of the economic effectiveness of investments; yield and cost of capital, operating and financial leverage; analysis of capital structure, dividend policy; Managing risks when investing; growth strategy, M&A</p> <p>II. International corporate finance</p> <p>Specificity of the MNC as a commercial entity, Multinational Financial Management, exchange rates, highlights exchange rate, exchange rate risk management, currency derivatives (forward, futures, options) and hedging interest arbitration, financial flows management in a multinational company, the cost of capital and financial structure of multinational companies, multinational capital budgeting, financing multinational company, country risk analysis.</p>			
12.	<p>Learning methods:</p> <p>method of written and oral exposure</p>			
13.	Total available time	156		
14.	Distribution of available time	2+2+1 / per week		
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	2 hours
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work	
16.	Други форми на активности	16.1.	Project tasks	2hours
		16.2.	Individual tasks	hours
		16.3.	Home learning	1 hours

17.	Method of assessment		
17.1.	Tests / oral exams	70 points	
17.2.	Seminars (paper / project - presentation: written and/or oral)	10 points	
17.3.	Activity and participation	20 points	
18.	Assessment Criteria (points / score)	up 50 points	5 (five) (F)
		51 to 60 points	6 (six) (E)
		61 to 70 points	7 (seven) (D)
		71 to 80 points	8 (eight) (C)
		81 to 90 points	9 (nine) (B)
	91 to 100 points	10 (ten) (A)	
19.	Signature requirement and passing the final exam	Success achieved by 60% of the two exams or written exam	
20.	Language of teaching / study	Macedonian	
21.	Method of monitoring the quality of teaching	Self-evaluation	

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	J. Madura	"International Corporate Finance"	Thomson/Southwestern	
	2.	Prof. Risto Fotov	Financial management	Economic Faculty	2010
	3.	Ross/Westerfield/Jaffe	Corporate Finance, (7th Edition),	McGraw-Hill, International Edition.	2005
22.2.	Additional literature				
	No.	Author	Title	Publisher	Year
	1.	Elali W, Trainor	Advanced Corporate Finance: A Practical Approach	Pearson Education	2009
	2.	Davies T, Boczko T, Chen J): Strategic Corporate Finance, 1ed	McGraw-Hill	(2008):
	3.	Emery, D., Finnerty, J., Stowe, J., Corporate	Financial Management,		

Annex No.3		Program of the Course - second cycle studies
1.	Title of the Course	Commercial and investment banking
2.	Code	4EK203512
3.	Study Program	Finance and banking

4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of		
5.	Cycle (first, second and third cycle)	Second cycle		
6.	Academic year / semester	Fifth/first	7.	Number of credits
				6
8.	Professor (s)	PhD Riste Temjanovski PhD Violeta Madzova		
9.	Requirements for enrollment the Course			
10.	Purposes of the curriculum (competencies): Within the subject commercial and investment banking postgraduates will deepen their understanding of new forms of active, passive and neutral banking operations, organization, strategy and policy of banking, banks' profitability analysis and management of credit mix and deposit potential, and deepen the knowledge of the functions of investment banking, organizational structure and development trend of investment banks and place of commercial and investment banks after the great financial crisis.			
11.	Content of the course program: Commercial banks (organizational aspects, functioning, banking activity), asymmetry of information and moral hazard management, credit mix, Management of deposit potential, capital and capital structure, capital adequacy, capital agreements Basel1,2,3, banking crises and banking crises management. Banks vs. non-bank financial institutions. Investment banks (organizational aspects, the basic functions of investment banks). Content of the activities of the investment banks. Development trends of investment banks after the Great Financial Crisis.			
12.	Learning methods: method of written and oral exposure			
13.	Total available time	156		
14.	Distribution of available time	2+2+1 / per week		
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	2 hours
		15.2.	theoretical and practical exercises,	

			e-exams, preparation of independent seminar work	
16.	Други форми на активности	16.1.	Project tasks	2 hours
		16.2.	Individual tasks	hours
		16.3.	Home learning	1 hours
17.	Method of assessment			
	17.1.	Tests / oral exams		70 points
	17.2.	Seminars (paper / project - presentation: written and/or oral)		10 points
	17.3.	Activity and participation		20 points
18.	Assessment Criteria (points / score)		up 50 points	5 (five) (F)
			51 to 60 points	6 (six) (E)
			61 to 70 points	7 (seven) (D)
			71 to 80 points	8 (eight) (C)
			81 to 90 points	9 (nine) (B)
			91 to 100 points	10 (ten) (A)
19.	Signature requirement and passing the final exam		Success achieved by 60% of the two exams or written exam	
20.	Language of teaching / study		Macedonian	
21.	Method of monitoring the quality of teaching		Self-evaluation	

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	Milutin Cirovic	Banking	Beograd	2003
		2.	Shila Hefernan	Modern Banking	'Academski Pecat'-Skopje	2009
	3.	Juliano lanouta	Investement Banking-1 st edition	Business media	2010	
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	Peter S. Rose	“ Managing Commercial Banks	McGraw – Hill Companies, Inc. 1221 Avenue of the Americas, New York, NY,	
		2.	Mishkin S. Frederic,	„The Economics of Money, Banking and Financial Markets “	Scott, Foresmen and	

					Company, Glenview, Illinois	
		3.				
Annex No.3		Program of the Course - second cycle studies				
1.	Title of the Course		Managing financial institutions			
2.	Code		4EK203712			
3.	Study Program		Finance and banking			
4.	Organizer of the study program (unit or institute, Faculty, department)		University Goce Delcev Faculty of Department of			
5.	Cycle (first, second and third cycle)		Second cycle			
6.	Academic year / semester		Fifth/first	7.	Number of credits	4
8.	Professor (s)		PhD Trajko Mlceski			
9.	Requirements for enrollment the Course		Basics of economy and other faculty knowledge			
10.	Purposes of the curriculum (competencies): The course objective is to assist students in understanding the modern features and levels of management (planning, organizing, coordinating, motivating and controlling), the role of managers, understanding ourselves and future horizons of management and leadership development and modern trends in the management of organizational entities.					
11.	Content of the course program: Management and managers; nature of management; Development of management thought; Global changes in the environment; management process (planning, organizing, coordinating, motivating and controlling); Motivation, Communication, Behavior, Knowledge of people, etc. communication, ethics and social responsibility, interactive behavior, selfdevelopment management and avoiding pseudo leadership.					
12.	Learning methods: method of written and oral exposure					
13.	Total available time			120		

14.	Distribution of available time		2+2+1 / per week			
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	2 hours		
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work			
16.	Други форми на активности	16.1.	Project tasks	1 hours		
		16.2.	Individual tasks	hours		
		16.3.	Home learning	1 hours		
17.	Method of assessment					
	17.1.	Tests / oral exams			70 points	
	17.2.	Seminars (paper / project - presentation: written and/or oral)			10 points	
	17.3.	Activity and participation			20 points	
18.	Assessment Criteria (points / score)		up 50 points	5	(five)	(F)
			51 to 60 points	6	(six)	(E)
			61 to 70 points	7	(seven)	(D)
			71 to 80 points	8	(eight)	(C)
			81 to 90 points	9	(nine)	(B)
			91 to 100 points	10	(ten)	(A)
19.	Signature requirement and passing the final exam		Achieve success by 60% from the three exams or written exam			
20.	Language of teaching / study		Macdonian, English			
21.	Method of monitoring the quality of teaching		Self-evaluation			

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	P. Kapor	“Megunarodne finansija I bankarstvo”	MEGATREND University	
		2.	PhD Risto Fotov	“Megunarodni Finansii”		2010
	3.					
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	A.C.Shapiro	”Multinational Financial Management”	J.Wiley & Sons	
		2.	PhD Oscar KOvac	“Megunarodne finansije”	Belgrade	2003

		3.	P. Krugman and M. Obstfeld	International economics		2009
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Annex No.3		Program of the Course - first/second/third cycle studies				
1.	Title of the Course	MANAGEMENT OF FINANCIAL INSTRUMENTS				
2.	Code	4EK203812				
3.	Study Program	Finance and Banking				
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of				
5.	Cycle (first, second and third cycle)	Second cycle				
6.	Academic year / semester	Fifth/first	7.	Number of credits	4	
8.	Professor (s)	PhD. Risto Fotov PhD. Krste Sajnoski				
9.	Requirements for enrollment the Course					
10.	Purposes of the curriculum (competencies): This course deepens the knowledge of students in terms of understanding, functioning and applicative operation with the investment process and managing with financial securities. This is put in a market context, i.e. in the context of stock market securities, as well as in the institutional context, in the context of the influence of institutional investors in securities, primarily investment funds. Given The fact that we live in an extremely turbulent period for financial markets managing financial instruments is extremely important to overcome the problems faced by such companies from the financial sector and companies, but at the same time and small shareholders and individuals which appear as investors in financial markets. More treating these problems will allow students to learn about cause and effect relationships between the real and financial sector, between information and stock prices between regulation and abuses.					
11.	<ul style="list-style-type: none"> - Terms of investing in securities - Analysis and selection of securities portfolios - Interest rates and valuation of securities - Theories of capital market - Performance Management and Investment Funds - Market of derivative instruments - Institutional investors and their regulation 					
12.	Learning methods: method of written and oral exposure					
13.	Total available time	120				
14.	Distribution of available time	.2.+1.+1. / per week				
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching,		2 hours	

			e-teaching	
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work	
16.	Други форми на активности	16.1.	Project tasks	1hour
		16.2.	Individual tasks	hours
		16.3.	Home learning	1hour
17.	Method of assessment			
	17.1.	Tests / oral exams		70 points
	17.2.	Seminars (paper / project - presentation: written and/or oral)		10 points
	17.3.	Activity and participation		20 points
18.	Assessment Criteria (points / score)		up 50 points	5 (five) (F)
			51 to 60 points	6 (six) (E)
			61 to 70 points	7 (seven) (D)
			71 to 80 points	8 (eight) (C)
			81 to 90 points	9 (nine) (B)
			91 to 100 points	10 (ten) (A)
19.	Signature requirement and passing the final exam	Success achieved by 60% of the two colloquia or written exam		
20.	Language of teaching / study	Macedonian		
21.	Method of monitoring the quality of teaching	Self-evaluation		

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	1.Д-р. Дејан Б. Шошкич,	Хартии од вредност – управљање портфолиом и инвестициони фондови“, четврто издање, , 2007	Центар за издавачка делатност – Београд	2007
	2.	2.Anthony Saunders, Marcia Millon Cornett,	“Finansiska trzista i institucije”,	Poslovni dnevnik,	2006
	3.				
22.2.	Additional literature				
	No.	Author	Title	Publisher	Year
	1.	Jordan,R.,Warren,W., Walt, S.	- Negotiable instruments, payments and Credits, Foundation	Foundation Press,	2000

				Press, 2000		
		2.	Frederic Mishkin, Stanley G. Eakins ,	“Finansiska trzista + institucije”,	, Zagreb	2005
		3.	Popovic, Sasa;	Portfolio analiza – kvantitativni aspekti investiranja u hartije od vrijednosti	Podgorica	2000

Annex No.3		Program of the Course - first/second/third cycle studies			
1.	Title of the Course	MANAGEMENT OF CREDIT RISK			
2.	Code	4EK204012			
3.	Study Program	Finance and Banking			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	Fifth/first	7.	Number of credits	4
8.	Professor (s)	PhD. Violeta Madzova PhD. Trajko Miceski			
9.	Requirements for enrollment the Course				
10.	Purposes of the curriculum (competencies):	Banks in their operations meet the full range of risks however, most attention so far is given to a credit risk. It in one hand is quite logical, since the basic function of a bank is a collection of free funds and their redistribution in the form of loans or other loans to their users. In the present case students will be familiar with the stages of assessment and management of credit risk giving particular emphasis on the assessment of the evaluation credit risk through customer credibility. While this will be taught the techniques and methods of evaluation profitable customers in the process of making credit decisions as well as the overall course of paying the loan, as well as estimates of the riskiness of the overall loan portfolio.			
11.	Content of the course program:	Credit risk (the relevance of credit risk in developed countries / developing countries / countries in transition), Management with credit risk, Credit risk management phases, assessment of credit worthiness, creditability of the firms, population as borrowers Financial analyzes for creditability evaluation Traditional and modern approach to the assessment of credit risk. Qualitative and qualitative methods for evaluation of credit risk use of credit scoring models in risk management. Credit risk - Capital Accord Basel.			
12.	Learning methods:	method of written and oral exposure			

13.	Total available time	120		
14.	Distribution of available time	.2.+1.+1.. / per week		
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	2 hours
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work	
16.	Други форми на активности	16.1.	Project tasks	1 hour
		16.2.	Individual tasks	hours
		16.3.	Home learning	1 hour
17.	Method of assessment			
	17.1.	Tests / oral exams	70 points	
	17.2.	Seminars (paper / project - presentation: written and/or oral)	10 points	
	17.3.	Activity and participation	20 points	
18.	Assessment Criteria (points / score)	up 50 points	5 (five) (F)	
		51 to 60 points	6 (six) (E)	
		61 to 70 points	7 (seven) (D)	
		71 to 80 points	8 (eight) (C)	
		81 to 90 points	9 (nine) (B)	
		91 to 100 points	10 (ten) (A)	
19.	Signature requirement and passing the final exam	Success achieved by 60% of the two colloquia or written exam		
20.	Language of teaching / study	Macedonian		
21.	Method of monitoring the quality of teaching	Self-evaluation		

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	Доц. Д-р В. Мацова -	Управување со кредитниот ризик во комерцијалните банки ,	НАМПРЕС С –Скопје,	2010

Annex No.3		Program of the Course - first/second/third cycle studies
1.	Title of the Course	GLOBAL ELECTRONIC PAYMENTS

2.	Code	4EK204112		
3.	Study Program	Finance and Banking		
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of		
5.	Cycle (first, second and third cycle)	Second cycle		
6.	Academic year / semester	Fifth/first	7. Number of credits	4
8.	Professor (s)	PhD. Riste Temjanovski PhD. Aleksandar Kostadinovski		
9.	Requirements for enrollment the Course			
10.	Purposes of the curriculum (competencies):	<p>In this case the second cycle students will be introduced to the global electronic payments networks, giving particular emphasis of networks through which transferred large sums of money expressed through emails, especially if one considers the fact that through this network payment systems are processing payments over \$ 2,000 billion per day and usual transactions only takes a few seconds. Will be studied and various kinds of protocols and security standards that are used to reduce risk in the use and transactions through such network systems</p>		
11.	Content of the course program:	<p>Electronic networks and Interbank payments Architecture of computer networks for banking transactions Electronic transfer of valuable securities companies Electronic systems for the transfer of government bonds. Netting systems (alignment between commercial banks exercised netting principles)</p> <p>TARGET (Trans-European Automated Real-time Gross settlement Express Transfer) system is the RTGS system for payments in euros. It is a decentralized system that consists of 17 national RTGS systems, the ECB payment mechanism (EPM) system which connects all of them (Interlinking system). SWIFT (Society for World-wide Interbank Financial Telecommunication - SWIFT) system for international payments electronically, telecommunication system that relies on international standards, thus providing greater speed and reliability in transfers payment information CHAPS - (Clearing Houses Automated Payments System - CHAPS) - automated payment system, which relies on a separate network of British telecommunications company British Telecom. SEPA (Single Euro Payments Area) shared vision of creating a single area payments in euros by the European Commission and the European Central Bank (ECB). Transaction security standards and protocols (SSL, TLS, WTLS and SET) Security measures and protection in electronic business</p>		
12.	Learning methods:	Methodology of scientific-research work		
13.	Total available time	120		

14.	Distribution of available time		.2.+1.+1. / per week		
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	1 hour	
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work	1 hour	
16.	Други форми на активности	16.1.	Project tasks	1hour	
		16.2.	Individual tasks	1hour	
		16.3.	Home learning	hours	
17.	Method of assessment				
	17.1.	Tests / oral exams			70 points
	17.2.	Seminars (paper / project - presentation: written and/or oral)			10 points
	17.3.	Activity and participation			20 points
18.	Assessment Criteria (points / score)	up 50 points		5	(five) (F)
		51 to 60 points		6	(six) (E)
		61 to 70 points		7	(seven) (D)
		71 to 80 points		8	(eight) (C)
		81 to 90 points		9	(nine) (B)
		91 to 100 points		10	(ten) (A)
19.	Signature requirement and passing the final exam	Success achieved by 60% of the two colloquia or written exam			
20.	Language of teaching / study	Macedonian			
21.	Method of monitoring the quality of teaching	Self-evaluation			

22.	22.				
	Required literature				
	No.	Author	Title	Publisher	Year
	1.	Ристе Темјановски	Е-Бизнис	УГД	2012
	2.	Кенет Л. Лаудон, Карол Герсио Травер	Е-трговија	Арс Ламина	2010
	3.				
	Additional literature				
	No.	Author	Title	Publisher	Year
	1.	Clark C. [et all]	Global Electronic payments: Emerging payment&Policy	FED	2004

		2.	SPSS	Payment system in the euro area	Reed Book	2003
		3.				

Annex No.3		Program of the Course - first/second/third cycle studies				
1.	Title of the Course	METODOLOGY OF SCIENTIFIC-RESEARCH WORK				
2.	Code	UGD203212				
3.	Study Program	Finance and Banking				
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of				
5.	Cycle (first, second and third cycle)	Second cycle				
6.	Academic year / semester	Fifth/first	7.	Number of credits	4	
8.	Professor (s)	PhD. Riste Temjanovski				
9.	Requirements for enrollment the Course					
10.	Purposes of the curriculum (competencies):					
11.	Content of the course program: 1.					
12.	Learning methods: Methodology of scientific-research work -					
13.	Total available time	120				
14.	Distribution of available time	.2.+1.+1. / per week				
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching			2 hours
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work			
16.	Други форми на активности	16.1.	Project tasks			1hour
		16.2.	Individual tasks			hours
		16.3.	Home learning			1hour
17.	Method of assessment					
	17.1.	Tests / oral exams				70 points
	17.2.	Seminars (paper / project - presentation: written and/or oral)				10 points

	17.3. Activity and participation				20 points
18. Assessment Criteria (points / score)	up 50 points		5	(five)	(F)
	51 to 60 points		6	(six)	(E)
	61 to 70 points		7	(seven)	(D)
	71 to 80 points		8	(eight)	(C)
	81 to 90 points		9	(nine)	(B)
	91 to 100 points		10	(ten)	(A)
19. Signature requirement and passing the final exam	Success achieved by 60% of the two colloquia or written exam				
20. Language of teaching / study	Macedonian				
21. Method of monitoring the quality of teaching	Self-evaluation				

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	Б. Крстев	Методологија на НИ	УГД-скрипта	
	2.	Ц.Мојановски	Методологија на НИ	УКИМ-учебник	
22.2.	Additional literature				
	No.	Author	Title	Publisher	Year
	1.				
	2.				
	3.				

Annex No.3		Program of the Course - first/second/third cycle studies			
1.	Title of the Course	APPLIED DATA ANALYSIS			
2.	Code	UGD202312			
3.	Study Program	ALL			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	first	7.	Number of credits	4
8.	Professor (s)	PhD. Tatjana Atanasova - Pacemska			

9.	Requirements for enrollment the Course	no		
10.	Purposes of the curriculum (competencies): The second cycle students will be trained for planning and implementation of applied research, and to use the results in function of the specific problems and making decisions. You will be able to use the program package SPSS (or someone else, depending on the needs) applied data analysis based on the methods of mathematical statistics. Students will gain research skills and knowledge in the interpretation of research results that will prepare them for a successful preparation of the thesis.			
11.	Content of the course program: <ul style="list-style-type: none"> • Usually versus applied research (definition, objectives, ways of realization process research ...) • Statistics - collection, classification and presentation of data • Random variables, types of random variables • Statistical sampling and distributions • Analysis of data • Descriptive statistics • Testing hypotheses - parametric and nonparametric tests • Linear and nonlinear regression • Analysis of variance (ANOVA) • Design an experiment • Study cases (examples in the program SPSS, Excel, Mathematic according to the needs of the profession) 			
12.	Learning methods: lectures, presentations, discussions, preparation of seminar work, consultations			
13.	Total available time		120	
14.	Distribution of available time		.2.+1.+1. / per week	
15.	Forms of teaching / learning activities		15.1. lectures / theoretical - contact teaching, e-teaching	2 hours
			15.2. theoretical and practical exercises, e-exams, preparation of independent seminar work	1 hour

16.	Други форми на активности	16.1.	Project tasks	1 hours
		16.2.	Individual tasks	hours
		16.3.	Home learning	hours
17.	Method of assessment			
	17.1.	Tests / oral exams		70 points
	17.2.	Seminars (paper / project - presentation: written and/or oral)		10 points
	17.3.	Activity and participation		20 points
18.	Assessment Criteria (points / score)	up 50 points		5 (five) (F)
		51 to 60 points		6 (six) (E)
		61 to 70 points		7 (seven) (D)
		71 to 80 points		8 (eight) (C)
		81 to 90 points		9 (nine) (B)
		91 to 100 points		10 (ten) (A)
19.	Signature requirement and passing the final exam	Success achieved by 60% of the two colloquia or written exam		
20.	Language of teaching / study	Macedonian		
21.	Method of monitoring the quality of teaching	Self-evaluation		

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	Forthofer, R.N., Lee, E.S.	Introduction to Biostatistics: A Guide to Design, Analysis and Discovery	Academic Press, London	1995
	2.	Солдиќ – Алексиќ Ј.	Примењена анализа података	Економски факултет - Белград	2011
	3.	Њуболд, П., Карлсон Л.В., Торн Б.	Статистика за бизнис и економија	Магор – 1000 преводи од Влада на РМ	2010
	22.2.	Additional literature			
No.		Author	Title	Publisher	Year
1.		Montgomery, D.C.	Design and Analysis of Experiments	John Wiley and Sons Inc., New York	2001
2.					
3.					

Annex No.3		Program of the Course - first/second/third cycle studies			
1.	Title of the Course	BANKING RISKS			
2.	Code	4EK203612			
3.	Study Program	Finance and Banking			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Department of			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	Fifth/second	7.	Number of credits	6
8.	Professor (s)	PhD. Risto Fotov PhD. Violeta Madzova			
9.	Requirements for enrollment the Course				
10.	Purposes of the curriculum (competencies): Students within this course will learn about the essence of risk major banking risks, their character and identifying them through early warning indicators				
11.	Content of the course program: Types and characteristic basic banking risks: credit, interest rate, currency, market, operational risk, counterparty risk country. Indicators / identification early pre productive signals of bank risks				
12.	Learning methods: Methodology of scientific-research work				
13.	Total available time	156			
14.	Distribution of available time	.2.+2.+1. / per week			
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	2 hours	
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work		
16.	Други форми на активности	16.1.	Project tasks	2hours	
		16.2.	Individual tasks	hours	
		16.3.	Home learning	1hour	
17.	Method of assessment				
	17.1.	Tests / oral exams			70 points

	17.2.	Seminars (paper / project - presentation: written and/or oral)	10 points
	17.3.	Activity and participation	20 points
18.	Assessment Criteria (points / score)	up 50 points	5 (five) (F)
		51 to 60 points	6 (six) (E)
		61 to 70 points	7 (seven) (D)
		71 to 80 points	8 (eight) (C)
		81 to 90 points	9 (nine) (B)
		91 to 100 points	10 (ten) (A)
19.	Signature requirement and passing the final exam	Success achieved by 60% of the two colloquia or written exam	
20.	Language of teaching / study	Macedonian	
21.	Method of monitoring the quality of teaching	Self-evaluation	

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	Branko Vasiljević	Rizici u bankarskom poslovanju	Fokus, Beograd,	1990
		2.	Д-р Д. Арсовски	Ризици во банкарското работење	Economy Скопје	1998
		3.				
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	Mishkin S. Frederic,	The Economics of Money, Banking and Financial Markets”,	Scott, Foresmen and Company, Glenview, Illinois	
		2.	Courtney C. Stone	“Financial risk: theory, evidence and implications	Springer, – Business and Economy	2009
		3.	H. Van Greuning/ S. Brajovic Bratanovic	Analiza i upravljanje bankovnim rizicima” drugi izdanje	World Bank & Zagrebacka skola ekonomije I menadzmen ta	2006