

CURRICULUM HEALTH MANAGEMENT

First semester

I semester – first year				
Mandatory courses				
CODE	COURSE	Credits	Hours	Total*
4EK201512	Health economics	6	2+2+1	156
4EK200212	Financial management	6	2+2+1	156
4EK201612	Management and leadership in health care	6	2+2+1	156
Total credits from mandatory courses		18	6+6+3	468
Elective courses – unit (2 to choose)				
КОД	ПРЕДМЕТ	Credits	Hours	Total*
4EK200412	Human resource management	4	2+1+1	120
4EK200612	Strategic management	4	2+1+1	120
4EK200512	Small business management	4	2+1+1	120
4EK200812	Management Information system	4	2+1+1	120
Total credits from elective courses		8	4+2+2	240
Elective courses – university (1 to choose)				
UGD203212	Methodology of scientific-research work	4	2+1+1	120
UGD202312	Applied data analysis	4	2+1+1	120
Total credits elective		12	6+3+3	360
Total credits in the first semester		30		
II semester – first year				
Mandatory courses				
CODE	COURSE	Credits	Hours	Total*
4EK201712	Health statistics and health Information systems	6	2+2+1	156
	Master thesis	24	0+0+24	720
Total		30		876
Total credits in one year studies		60		

Annex No.3		Program of the Course - second cycle studies			
1.	Title of the Course	HEALTH CARE ECONOMICS			
2.	Code	4EK201512			
3.	Study Program	HEALTHCARE MANAGEMENT (4+1)			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	fifth/first	7.	Number of credits	6
8.	Professor (s)	Ph.D. Krume Nikoloski, professor			

9.	Requirements for enrollment the Course	no		
10.	Purposes of the curriculum (competencies): As market conditions consumers maximize satisfaction and production companies optimize and maximize profits by acting in different market structures; Why economics is the science of choice and as market economies sorted out the central economic problem; What are the responsibilities of the government in regulating business domain and correcting market failure; Like define key macroeconomic aggregates: gross domestic product, inflation, unemployment, savings, investments, exchange rate, etc., which is their essence and what are their links and interdependencies; understand core domains and limitations of key macroeconomic policies and the manner of their use in different phases of the economic cycle.			
11.	Content of the course program: Introduction to Economic Science; fundamental economic problems; Basic elements of supply and demand; Theory of consumer choice; basics of the theory of production; Cost analysis; market structures - perfect competition, monopoly, oligopoly; factors of production and markets down prices of capital, land and labor; Government and business - market failures and state economic regulation; Key macroeconomic concepts; gross domestic and gross national product; economic growth and productivity; economic cycle; consumption, savings and investment; Cash and banks; inflation and unemployment; Fiscal and monetary policy; international economics - international exchange of goods and production factors; balance of payments; Forex; Modern macroeconomic schools			
12.	Learning methods: -Oral and writhing examination			
13.	Total available time		156 hours	
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	2 hour
		16.2.	Individual tasks	
		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		60% success achievement on partial and final exams	
20.	Language of teaching / study		Macedonian, English	
21.	Method of monitoring the quality of teaching		Self-evaluation	

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	Tulchinsky TH, Varivikova EA.	The New Public Health	Academic Press: San Diego, CA	2000
		2.	Таки ФИТИ	Основи на економијата	Економски факултет, Скопје	2004
		3.	WHO,	Health Finacing Reform a Framework for Evaluation	Geneva,	1995
		Additional literature				
		No.	Author	Title	Publisher	Year
	22.2.	1.	Mankiw G.	Principles of Economics, Third Edition	Thomson South-Western, London	2004
		2.	Stiglitz J., Walsh C.	Economics, Third Edition	Norton & Company, New York	2002
		3.				

Annex No.3		Program of the Course - first/second/third cycle studies			
1.	Title of the Course	FINANCIAL MANAGEMENT			
2.	Code	4EK200212			
3.	Study Program	All second cycle study programs at "GoceDelcev" University – Stip			
4.	Organizer of the study program (unit or institute, Faculty, department)	All units of the University			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	2012/2013/ I	7.	Number of credits	6
8.	Professor (s)	Ph.D.Risto Fotov, professor / Ph.D. KrsteShajnoski, associate profesor			
9.	Requirements for enrollment the Course	no			
10.	Purposes of the curriculum (competencies):	The course objective is students to impart basic knowledge in the field of managing financial assets within the enterprise to enable them to understand the process of financial decision-making, as well as to interpret the impact that financial decisions will have on creation of value for the company.			
11.	Content of the course program:	<ul style="list-style-type: none"> • Enterprise, capital and financial management; • Financial analysis and financial planning; • Basic financial concepts; • Long-term financial decisions; • Short-term financial decisions; • Cost of capital, leverage and dividend. 			

12.	Learning methods: - lectures, presentations, discussions, consultations, seminar works			
13.	Total available time	156 hours		
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.		16.1.	Project tasks	1 hour
		16.2.	Individual tasks	
		16.3.	Home learning	1 hour
17.	Method of assessment			
	17.1.	Tests / oral exams	30 points	
	17.2.	Seminars (paper / project - presentation: written and/or oral)	50 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	60% success achievement from the pre-exam activities (minimum total 42 points from partial exams, lectures, practical classes and seminar works)		
20.	Language of teaching / study	Macedonian		
21.	Method of monitoring the quality of teaching	Self-evaluation and external evaluation		

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	Арсов, Сашо	Финансиски менаџмент	Економски факултет-Скопје	2008
		2.				
	3.					
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	James C. Van Horne, John M. Wachowicz, Jr	Fundamentals of Financial Management, 10th edition	Prentice Hall, New Jersey	1998
		2.	Ross, Stephen, R. Westerfield, J. Jaffe	Corporate Finance	McGraw-Hill , Irwin,	1999
3.						

Annex No.3		Program of the Course - second cycle studies			
1.	Title of the Course	MANAGEMENT AND LEADERSHIP IN HEALTHCARE			
2.	Code	4EK201612			
3.	Study Program	HEALTHCARE MANAGEMENT (4+1)			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	fifth/first	7.	Number of credits	6
8.	Professor (s)	Ph.D.TrajkoMiceski, professor / Ph.D. VioletaMadzova, associate profesor			
9.	Requirements for enrollment the Course	no			
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:				

	<p>Management and managers; nature 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. Making; communication, ethics and social responsibility, interactive behavior, self-development management, preference of true leadership and recognizing and avoiding of pseudo leadership.</p>			
12.	<p>Learning methods: -Oral and writhing examination</p>			
13.	Total available time	156 hours		
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 hour
		16.2.	Individual tasks	
		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	60% success achievement on partial and final exams
20.	Language of teaching / study	Macedonian, English
21.	Method of monitoring the quality of teaching	Self-evaluation

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	Gareth R.Jones, Jenifer M.George	Современменаџмент	Превод: Влада на РМ	2008
		2.	Рики В.Грифин	Основи на менаџмент	Превод: Влада на РМ	2010
	3.	Трајче Миџески	Менаџмент и Лидерство	Економски факултет- УГД- Штип	2010	
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	John R. Schermerhorn, Jr.	Management, 9th edition	John Willey & Sons, Inc.	2008
		2.				
3.						

Annex No.3		Program of the Course - second cycle studies			
1.	Title of the Course	HUMAN RESOURCE MANAGEMNT			
2.	Code	4EK200412			
3.	Study Program	HEALTCARE MANAGEMENT (4+1)			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	fifth/first	7.	Number of credits	4
8.	Professor (s)	Ph.D.TrajkoMiceski, professor / Ph.D. Margarita Matlievska, associate profesor			
9.	Requirements for enrollment the Course	no			
10.	Purposes of the curriculum (competencies):				

	The study of teaching material on the subject allows students to become familiar with the complex issues of human resource management, understood as the process of performing a range of activities and functions in order, people, as the most important resource in the organization, to be used in the most effective and efficient way.			
11.	Content of the course program: The study of teaching material on the subject allows students to become familiar with the complex issues of human resource management, understood as the process of performing a range of activities and functions in order, people, as the most important resource in the organization, to be used in the most effective and efficient way.			
12.	Learning methods: -Oral and writhing examination			
13.	Total available time	120 hours		
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	
		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	60% success achievement on partial and final exams	
20.	Language of teaching / study	Macedonian, English	
21.	Method of monitoring the quality of teaching	Self-evaluation	

22.	Literature				
	Required literature				
	No.	Author	Title	Publisher	Year
22.1.	1.	Роберт Л. Матис Џон Х.Џексон	Управување со човечките ресурси	Превод: Влада на РМ	2011
	2.	Боландер Снел	Управување со човечките ресурси	Превод: Влада на РМ	2011
	3.	Бојациоски Димитар, Ефтимов Љупчо	Менаџмент на човечки ресурси, второ издание	Економски факултет - Скопје	2010
	Additional literature				
	No.	Author	Title	Publisher	Year
22.2.	1.				
	2.				
	3.				

Annex No.3		Program of the Course - first/second/third cycle studies			
1.	Title of the Course	STRATEGIC MANAGEMENT			
2.	Code	UGD202312			
3.	Study Program	HEALTHCARE MANAGEMENT (4+1)			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	2012/2013/ I	7.	Number of credits	4

8.	Professor (s)	Ph.D.TrajkoMiceski, professor / Ph.D. Margarita Matlievska, associate profesor		
9.	Requirements for enrollment the Course	no		
10.	Purposes of the curriculum (competencies): The subject is conceived in a way to allow students assessment and application of key elements of strategic analysis, choosing the right strategy within the flexible plan, and to stimulate thinking about the problems associated with the implementation of stated strategy.			
11.	Content of the course program: The nature of strategic management; Managers and strategic management; Assess the external environment; Assessment of the internal environment; strategy formulation; Analysis and choice of strategy; Execution strategy; Evaluation and control strategy; technology and strategy; Strategic management and small business; International strategic management			
12.	Learning methods: - lectures, presentations, discussions, consultations, seminar works			
13.	Total available time	120 hours		
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 hour
		16.2.	Individual tasks	
		16.3.	Home learning	
17.	Method of assessment			
	17.1.	Tests / oral exams		30 points

	17.2.	Seminars (paper / project - presentation: written and/or oral)	50 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	60% success achievement from the pre-exam activities (minimum total 42 points from partial exams, lectures, practical classes and seminar works)	
20.	Language of teaching / study	Macedonian	
21.	Method of monitoring the quality of teaching	Self-evaluation and external evaluation	

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	Шуклев, Бобек; Дракулевски, Љубомир	Стратегискименаџмент, универзитетскиучебник	Економскифакултет-Скопје	2001
		2.				
		3.				
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	W. Hill, Charles; R. Jones, Gereth	Strategic Management, An Integrated Approach	Houghton Mifflin Company, Boston	2004
		2.	M. Grant, Robert	Contemporary Strategic Analysis	Blackwell Publishing, Malden, MA	2005
		3.				

Annex No.3		Program of the Course - second cycle studies
1.	Title of the Course	SMALL BUSINESS MANAGEMENT
2.	Code	4EK200512
3.	Study Program	HEALTHCARE MANAGEMENT (4+1)

4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	fifth/first	7.	Number of credits	4
8.	Professor (s)	Ph.D. Risto Fotov, professor			
9.	Requirements for enrollment the Course	no			
10.	Purposes of the curriculum (competencies): The course objective is to assist students in understanding the meaning and essence, functioning and organization of small enterprises in the economy. Within this framework to indicate the fundamental differences between small and large enterprises in the country's economy. Among them, deserve special attention: the approaches of starting a small enterprise application planning in small enterprises, the basic forms of organization of small enterprises, the successes and failures of small business, social responsibility and ethics, as well as small businesses and entrepreneurship.				
11.	Content of the course program: The course objective is to assist students in understanding the meaning and essence, functioning and organization of small enterprises in the economy. Within this framework to indicate the fundamental differences between small and large enterprises in the country's economy. Among them, deserve special attention: the approaches of starting a small enterprise application planning in small enterprises, the basic forms of organization of small enterprises, the successes and failures of small business, social responsibility and ethics, as well as small businesses and entrepreneurship.				
12.	Learning methods: -Oral and writhing examination				
13.	Total available time	120 hours			
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	
		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		60% success achievement on partial and final exams	
20.	Language of teaching / study		Macedonian, English	
21.	Method of monitoring the quality of teaching		Self-evaluation	

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	Шуклев Бобек:	Менаџмент на мал бизнис, трето издание	Економски факултет, Скопје	2003
	2.				
	3.				
22.2.	Additional literature				
	No.	Author	Title	Publisher	Year
	1.	Thomas W.Zimmerer, Norman M.Scarborough	Essentials of entrepreneurship and small business management, fourth edition	Pearson-Prentice Hall, Inc., Upper Saddle River, New Jersey	2005
	2.				
	3.				

Annex No.3		Program of the Course - second cycle studies			
1.	Title of the Course	Management Information Systems			
2.	Code	4EK200812			
3.	Study Program	MANAGEMENT FOR BUSINESS AND ADMINISTRATION - MBA			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	fifth/first	7.	Number of credits	4
8.	Professor (s)	Ph.D. Riste Temjanovski, professor / Ph.D. Krume Nikoloski, profesor			
9.	Requirements for enrollment the Course	no			
10.	Purposes of the curriculum (competencies):	<p>The purpose of the course is to help the students to understand the informational dimension of management in order to facilitate the process of acquisition, preservation and distribution of the information within the business organizations. During the process, students will learn about the basics of system analysis and systematic approach, the theory of information and information systems. Also, they will understand the internal organization of knowledge and communication in contemporary enterprises and their appropriate use for improvement of the management's efficiency.</p> <p>Ultimately, students will be able to work in teams with operating abilities for the purpose of function, use and improvement of contemporary information systems, based on application of information technology.</p>			
11.	Content of the course program:	<ul style="list-style-type: none"> • The informational revolution (Intangible resources – the foundation of the information society) • System design (Systematic thinking and systematic approach) • System analysis • Information (Definition concepts of information, semantic rules, transfer of information, quality of information) • Information systems (The human being as an information system, information systems in business organizations) • Information systems and the organization (Organization of communication process of information) 			

	<ul style="list-style-type: none"> • Information system management (Entropy, information, management, information systems at different management levels, the informational dimension in the process of management, optimal management) • Economics of the information systems • Strategy elements for building and development of information systems • Design of new information systems 			
12.	Learning methods: -Oral and writhing examination			
13.	Total available time	120 hours		
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	
		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	60% success achievement on partial and final exams
20.	Language of teaching / study	Macedonian, English
21.	Method of monitoring the quality of teaching	Self-evaluation

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	Ѓорѓијовски, Благоја	Менаџмент информации системи,	Универзитетски учебник, Економски факултет-Скопје,	1998
	2.				
	3.				
22.2.	Additional literature				
	No.	Author	Title	Publisher	Year
	1.	C. Laudon, Kenneth; P. Laudon, Jane	Management Information Systems,	Prentice Hall, New York	2006
	2.				
	3.				

Annex No.3		Program of the Course - second cycle studies			
1.	Title of the Course	RESEARCH METHODOLOGY			
2.	Code	UGD203212			
3.	Study Program	HEALTHCARE MANAGEMENT (4+1)			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	fifth/first	7.	Number of credits	6
8.	Professor (s)	Ph.D. Riste Temjanovski, associate professor			

9.	Requirements for enrollment the Course	no	
10.	Purposes of the curriculum (competencies): -		
11.	Content of the course program: -		
12.	Learning methods: -Oral and writhing examination		
13.	Total available time	120 hours	
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	
		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	60% success achievement on partial and final exams
20.	Language of teaching / study	Macedonian, English
21.	Method of monitoring the quality of teaching	Self-evaluation

22.	Literature					
	22.1.	Required literature				
		No.	Author	Title	Publisher	Year
		1.	B. Krstev	Research methodology	UGD-skript	
		2.	C. Mojanovski	Research methodology	UKIM-learning book	
	3.					
	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 second cycle study programs at "GoceDelcev" University – Stip			
4.	Organizer of the study program (unit or institute, Faculty, department)	All units of the University			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	2012/2013/ I	7.	Number of credits	4
8.	Professor (s)	Ph.D. Tatjana Atanasova – Pacemska, professor			

9.	Requirements for enrollment the Course	no		
10.	Students will be trained for planning and achieving different applied research tasks, as well as to use the results to solve practical problems and make decisions. Also, they will learn how to use the program package SPSS (or any other program depending on the need for the research process) designed for applied data analysis based on the methods of mathematical statistics. During the courses, students will gain the necessary skills and all the basic knowledge to analyze and interpret the results from the research process, making them capable for successful realization of the master exam.			
11.	Content of the course program: <ul style="list-style-type: none"> • The common (theoretical) versus the applied research (definition, goals, methods of realization, the process of examination) • Statistics – data collection, grouping and presentation • Random variables, different types of random variables • Statistic examples and distributions • Applied data analysis • Descriptive statistics • Hypothesis testing – parametric and nonparametric tests • Linear and nonlinear regression • Variance analysis (ANOVA) • Experiment design • Case study (examples in SPSS programs, Exel, Mathematica according to the specific needs of different scientific fields) 			
12.	Learning methods: - lectures, presentations, discussions, consultations, seminar works			
13.	Total available time		120 hours	
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 hour
		16.2.	Individual tasks	
		16.3.	Home learning	
17.	Method of assessment			
	17.1.	Tests / oral exams		30 points
	17.2.	Seminars (paper / project - presentation: written and/or oral)		50 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	60% success achievement from the pre-exam activities (minimum total 42 points from partial exams, lectures, practical classes and seminar works)		
20.	Language of teaching / study	Macedonian		
21.	Method of monitoring the quality of teaching	Self-evaluation and external 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.	Soldic – Aleksic J.	Applied data analysis	Faculty of economics – Belgrade	2011
		3.	Newbold. P., Carlson L.B., Thorn B.	Statistics for business and economics		2010
		Additional literature				
		No.	Author	Title	Publisher	Year
	22.2.	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 - second cycle studies			
1.	Title of the Course	HEALTHCARE STATISTICS AND INFORMATION SYSTEMS IN HEALTHCARE			
2.	Code	UGD203212			
3.	Study Program	HEALTHCARE MANAGEMENT			
4.	Organizer of the study program (unit or institute, Faculty, department)	University Goce Delcev Faculty of Economics			
5.	Cycle (first, second and third cycle)	Second cycle			
6.	Academic year / semester	fifth/first	7.	Number of credits	6
8.	Professor (s)	Ph.D. TrajkoMiceski, professor / Ph.D. OliveraTrajkovskaassociate professor			
9.	Requirements for enrollment the Course	no			
10.	Purposes of the curriculum (competencies): The course objective is to enable students to understand The information dimension of the organization, or as future managers, effective way to acquire, store, share and distribute their knowledge to others in the organization. Within it, students will understand the basics and discern systematic approach, system analysis, information theory and the theory of information systems. Will also understand the organization of knowledge in modern enterprises, as well as its communication and use effective management. In the end, through the knowledge of the organization and construction of information systems, future managers will be able to work together in the functioning of, the use and improvement of modern information systems based on wide application of information technology.				
11.	Content of the course program: Information Revolution (Intangible resources on the Information Society), system design (system thinking and system access), System analysis, alongside (Concepts for defining information Semantic rules, transfer of information, quality of information), Information Systems (Man as information system, Information systems in organization), Information systems and organization, organization of the process of communicating information, Management and Information systems (entropy, Information management, Information Systems and management Information dimension levels in the process of management, Optimal management), information systems, economics, Elements of a strategy for the construction and development of information systems, designing new information systems.				

12.	Learning methods: -Oral and writhing examination			
13.	Total available time	120 hours		
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	
		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	60% success achievement on partial and final exams		
20.	Language of teaching / study	Macedonian, English		
21.	Method of monitoring the quality of teaching	Self-evaluation		

22.	Literature				
22.1.	Required literature				
	No.	Author	Title	Publisher	Year
	1.	Ѓорѓијовски, Благоја	Менаџмент информациони системи,	Универзитет ски учебник, Економски факултет- Скопје,	1998
	2.				
	3.				
22.2.	Additional literature				
	No.	Author	Title	Publisher	Year
	1.	C. Laudon, Kenneth; P. Laudon, Jane	Management Information Systems,	Prentice Hall, New York	2006
	2.				
	3.				