1.	Subject	BASICS OF SCIENTIFIC RESEARCH				
2.	Code	DA - 325				
3.	Study program:	Three-year professional studies for graduate obstetricians				
4.	Conducted by	UKIM – Medical Faculty				
		Department of Internal Medicine				
5.	Degree of	First cycle				
	education (first or					
	second cycle)					
6.	Academic	III/VI 7. Credits 3.5				
	year/semester					
8.	Professor	Head:				
		Prof. d-r Ljubiva Georgievska – Ismail				
		Theoretical lessons:				
		Prof. d-r Ljubica Georgieva – Ismail				
		Prof. d-r Biljana Janevska				
		Prof. d-r Katerina Tosheska – Trajkovska				
		Prostigal lossons:				
		Prof. d.r. Marija Vaylukis				
		Prof d-r Katerina Tosheska – Traikovska				
		Prof. d-r Lidija Ponoska				
		Doc D-r Zanina Perevska				
		Ass. D-r Valentina Andova				
9.	Prerequisite	Enrolled in the semester				
10.	Goals	Getting acquainted with:				
		• Basics and importance of scientific research and the scientific methods				
		principles				
	• Elements of the research process and understanding them					
		 Medicine based on proof and its use 				
		• Finding scientific research project sources and gaining elementary				
		knowledge about approaching them critically				
	• Basic procedures and rules of preparation, publishing and/or press					
		the result of a scientific research				
11.	Content summary:					
	Theoretical lessons	(15 lessons):				
	Introductio	n to the subject, commitments, expectations; Science and scientific method –				
	what is it, history, importance and principles					
	 Terminology in science, types of proof, recommendation strength 					
	• Design of the scientific research project					
	Using bion	nedical data bases				
	• Ethics in so	cientific research work and responsible behavior in science				
	• Structure of the scientific project and publication preparation, style, language and					
	presentation					
	• Critical ass	O lessons):				
	Practical lessons (2	v 1030113). esson 1: How to choose a tonic for scientific research and searching the web				
	- r factical resson 1. now to choose a topic for scientific research and searching the Web sources with key words					
	- Practical le	sson 2: Planning and organizing the scientific research – practice on a given				
	subject wit	h special attention paid on materials and methods				

	- Practical lesson 3: Ethics in science – panel discussion on given topics (plagiarism, conflict						
	of interest, authors' rights protection)						
	- Practica	l lesson 4: Parts of the pa	per: Crit	ical approach toward	s part of the paper (title,		
	design, material and methods, results, discussion, conclusion)						
	- Practica	- Practical lesson 5: Preparing a draft of a compilation thesis on a given topic, literature					
	citation,	citation, presentation of a paper on a given material					
	Graduation the	esis preparation (50 lesso	ons)				
12.	Teaching metho	ds: interactive lessons, pr	actical le	essons, panel discussi	ons		
13.	Total classes:	Total classes:		85			
14.	Organization						
15.	Types of teaching activities		15.1	Lessons:	13 (+2 hours exams)		
				theoretical			
			15.0	classes	20		
			15.2	Practical lessons,	20		
16	Other types of a	ativition	16.1	Practico			
10.	Other types of a	ctivities	16.2	Self supporting	50 lessons (graduation		
			10.2	practice	thesis preparation)		
			163	practice			
17.	Knowledge asse	Knowledge assessment		Points			
	17.1	Mid-term exams	Mini-q	uizzes after the pract	ical lessons – 5 in total (every		
			correct	answer gives 1.5 poi	nts)		
				0 1	Min. – max. 23-38		
	17.2	Final exam			Min. – max.		
			Writter	n form	27 - 45		
			(30 que	estions: every correct	answer gives 1.5 points.		
			Minim	um of 60% correct ar	nswer)		
	17.3	Paper/project (oral	There a	are bonus points for v	vriting a paper/public		
		presentation)	present	tation for those who a the approximation for the approximation of the ap	lecided to participate at the		
	174	Active participation	beginn	ing of the course (5 p	Min Max		
	1 / .4	Active participation	Theore	tical lessons no	$\frac{1}{1}$		
			Practic	al lessons no	$\frac{1}{2}$		
			Attend	ing 70% of the lessor	$n_{\rm s} = 4$ points		
			Attend	ing 80% of the lessor	ns - 5 points		
			Attend	ing 90% of the lessor	ns - 6 points		
18.	Grading	Up to 59	5 (five)) F	-		
	criterion	60-68	6 (six)	E			
	(points/grades)	69-76	7 (seve	en) D			
		77-84	8 (eigh	t) C			
		85-92	9 (nine	B			
		93-100	10 (ten	A (
19.	Requirements	To obtain a signature th	ie studen	t must gain minimum	points from attending the		
	for obtaining a	theoretical and practical	l lessons				
	signature and	I he final grade for the s	subject is	s formed according to	the table for grading, and is		
	final	based on the sum of the	points f	ioni an the activities	and the mid-term exams.		
	examination						
20	Language	anguage Macedonian English when necessary					
20.	Method of Students' anonymous evaluation of the subjects the professors and collaborators						
<u> </u>		statents anonymous e					

	evaluating the quality of the lessons	who hold the lessons.		
22.	Literature:			
	22.1	Mandatory literature		
		1.	Authorized lectures of the professors who hold the	
			theoretical lessons (Georgievska Ismail, Vavlukis,	
			Tosheska, Janevska)	
	22.2	Additional literature		
		1.	Panzova V., Science as a vocation., Faculty of	
			Philosophy, UCIM, 2003	
		2.	Marushikj M. et al., Introduction to Scientific Work in	
			Medicine., Skopje, Kultura, 2003	
		3.	Spiroski ZM., Scientific Paper – writing it and publishing	
			it. Skopje, Institute of Immunobiology and Humane	
			Genetics, 2002	