1.	**Subject**	**EPIDEMIOLOGY**			
2.	**Code**	OM 322			
3.	**Study Program**	General Medicine			
4.	**Organizing Institution (Unit, Institute, Chair, Department)**	UKIM-Faculty of Medicine Cathedra of epidemiology and biostatistics with medical informatics			
5.	**Educational degree (first or second cycle)**	Integrated cycle			
6.	**Study year/semester**	III year / VI semester	7.	Number of EKTS credits	5
8.	**Responsible teacher**	Head of department/cathedra Prof. Dr. Vesna Velic Stefanovska Teaching is conducted by following members of the Cathedra of epidemiology and biostatistics with medical informatics: Prof. Dr. Dragan Danilovski Prof. Dr. Kristin Vasilevska Prof. Dr. Biljana Tausanova Prof. Dr. Vesna Velic Stefanovska Prof. Dr. Rozalinda Isjanovska Prof. Dr. Beti Zafirova Ivanovska Senior Research assistant prof. Dr. Irina Pavlovska			
9.	**Preconditions:**	First part of professional exam passed			

		Exam of Biostatistics with medical informatics passed (III semester)

10.	**Teaching goals of the study program (competencies):** • Acquiring of theoretical and practical knowledge from the area of epidemiology which would enable recognition and resolution of epidemiological problems and challenges as well as their prevention. • Acquiring of skills which will use mortality and morbidity indicators to analyze conditions with specific diseases or groups of diseases, including the ethyology factors for their occurrence. • Recognition of the role and meaning of the levels of prevention and their application in practice. • Acquiring knowledge of the epidemiological methods and their implementation in the scientific research. • Acquiring of knowledge of epidemiology of infectious and noninfectious diseases and conditions.
11.	**Content of the study program:** **Theoretical course:** • Basis of epidemiology – introduction, goals, history, contemporary epidemiology; • Epidemiology methods • Indicators of diseases, deterioration of health, and death rate; • Epidemiological process and epidemiological models • Occurrence of infection, and infectious diseases • Measures of prevention and eradication of diseases • Epidemiological oversight • Immunization, seroprophylaxis, and immunoprophylaxis • Elimination and eradication of infectious diseases • Desinfection, desinsection and deratisation • Health education • Intrahospital infections • Epidemiological doctrine of military conflict and state of emergency • Epidemiological characteristics of intestinal, respiratory, contact, and transmissive infectious diseases • Epidemiological characteristics of zoonosis and helmintosis • Epidemiological characteristics of chronic noninfectious diseases and health deterioration. **Practical Course:** • Application of epidemiological methods in practice • Processing of samples from various types of epidemics – resolving of an invented case of epidemics • Acquainting with books of rules, and laws from the area of epidemiology • Mastering the acquired theoretical knowledge
12.	**Methods of studying:** **Interactive teaching, practical course, seminars**

13.	**Total number of hours:**		150 hours Credits 5 x 30 hours for 1 credit = 150 150 – 75 hours teaching, practical course and seminars = 75 home study	
14.	**Distribution of available time:**			
15.	**Type of educational activity**	15.1	Lectures-theoretical course	40 hours teaching
		15.2	Practical (laboratory, clinical), seminars, team work	35 hours practical course/seminars
		16.1	Home study	75 hours
17.	**Assessment of knowledge:**			**points**
	17.1	Tests	Continuous tests points	min. - max 18 - 30
			Continuous tests of knowledge (mid-term) consists of 2 written tests Continuous tests relate to: ✦ Selected parts from general epidemiology ✦ Selected parts from special epidemiology One mid-term test carries 9 – 15 points	
		Final exam	макс. Oral part points	мин.- 36 - 52
	17.2	Seminar work/project (presentation: written and oral)	Seminar work points	min. – max. 0 - 5

	17.3	Active participation	min.- max. Theoretical course points 1 - 3 Practical course points 5 – 10 Attendance at theoretical course 51% - 60% = 1 point 61% - 91% = 2 points 91% - 100% = 3 points Practical course (24 practical course of 3 hours)

18.	**Knowledge assessment criteria:** (points/grade)	to 59 points	5 (five) F
		from 60 to 68 points	6 (six) E
		from 69 to 76 points	7 (seven) D
		from 77 to 84 points	8 (eight) C
		from 85 to 92 points	9 (nine) B
		from 93 to 100 points	10 (ten) A

19.	**Criteria for obtaining a signature and taking the final exam**	**Conditional criteria for assessment of knowledge**: To obtain a signature, the student needs to acquire minimum points from attendance at seminars, theoretical and practical courses. To take the final exam, the student must pass the continuous tests or acquire a minimum of 30% of total number of points in the continuous tests, whereas during the exams session the student shall take the previously failed continuous tests, and then shall take the final exam. The assessment of the subject is established according to the table of marks, based on the sum of points from all activities, continuous tests and final exam.
20.	**Language of the course**	Macedonian
21.	**Method for evaluation of**	Anonymous evaluation by students on the subject, teaching

	the quality of education		staff, and associates participating in the teaching.			
22.	Literature:					
	22.1	Mandatory literature				
		No.	Author	Title	Publisher	Year
		1	James F. Jeckel, David L. Kac, Joan J. Elmor, Dorothea M. J. Wild	Epidemiology, biostatistics and preventive medicine	Tabernakul	2010
		2	Danilovski D., Orovcanec N., Vasilevska K., Taushanova B., Velic Stefanovska V.,		University "Ss. Cyril and Methodius" Medical faculty	2007
			Isjanovska R., Zafirova Ivanovska B., Zdravkovska M., Pavlovska I.;	General Epidemiology		
		3	Danilovski D., Orovcanec N., Vasilevska K., Taushanova B., Velic Stefanovska V., Isjanovska R., Zafirova Ivanovska B., Zdravkovska M., Pavlovska I.;	Special Epidemiology	University "Ss. Cyril and Methodius" Medical faculty	2009