Attachment No. 3		Course program for the first cycle of studies			
1.	Course title	Physiology 1			
2.	Code	DMMPH1			
3.	Study program	Dentistry - integrated first and second cycle of studies			
4.	Organizer of the study program (unit, i.e., institute, department, division)	University "Ss. Cyril and Methodius" in Skopje, Faculty of Medicine - Skopje, Department of Physiology			
5.	Degree (first, second, third cycle)	Integrated first and second cycle studies			
6.	Academic year/semester	Year	1	Semester	2
7	Course workload expressed in ECTS credits	8			
8.	Teacher	Prof. Dr. Beti Dejanova			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for taking and passing the course	None			
11.	Course objectives (competences) and learning outcomes:	The student should understand the physiological processes and control mechanisms of the organic systems in the human organism. The student acquires knowledge about the function of organs and tissues in the organ systems of the human organism as a whole.			
12.	Detailed course content by chapter and units, with the learning outcomes for each chapter	Theoretical teaching - lectures Chapter One - Blood and Cardiovascular Physiology - Introduction to physiology (homeostasis)..... 2 classes - Blood physiology..... 7 classes - Muscle physiology..... 3 classes - Heart physiology..... 7 classes - Circulation physiology..... 5 classes Results of the first chapter: The student will understand the basic characteristics of physiological processes and mechanisms that regulate blood, muscle tissue, and the cardiovascular system as a whole. Chapter Two - Physiology of Individual Organ Systems - Physiology of the respiratory system..... 7 classes - Physiology of the gastrointestinal system..... 8 classes - Physiology of the liver and metabolism..... 4 classes - Skin physiology and thermoregulation..... 2 classes Results of the second chapter - The student will understand the basic features of the functioning of physiological processes and mechanisms of regulation of the respiratory system, gastrointestinal system with liver, and metabolism, as well as skin and thermoregulation Total: .....45 classes			

		Practical teaching - exercises - Blood and cardiovascular physiology: 23 classes - Physiology of individual organ systems: 22 classes Total: .....45 classes		
13	Interrelation of subjects	Connection to Physiology 2		
14.	Detailed description of the teaching and working methods for the subject	Interactive teaching from the theoretical part, laboratory exercises, work in small groups, presenting and performing laboratory procedures, demonstrating methods used to determine experimental and clinically important parameters for the physiological function of organs, tissues, and organ systems through teamwork		
15.	Total Available Time	240 classes		
16.	Forms of teaching activities	16.1.	Lectures (theoretical classes): classes	45
		16.2.	Exercises (laboratory) teamwork: classes	45
		16.3.	Practice: classes	
17.	Other forms of activities	17.1.	Project assignments: classes	
		17.2.	Independent assignments: classes	60
		17.3.	Home study - assignments: classes	90
18	Signature requirements	Attendance at exercises (15 points) and 50% of lectures (5 points)		

19	Method of grading		
	19.1.	Tests: points	2 tests (30 + 30 points)
	19.2.	Seminar work/project, written and oral presentation: points	/
	19.3.	Final exam: points	20

20	Evaluation criteria (points/grade)	up 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)
21.	Method of monitoring the quality of teaching	Self-evaluation by students, assistant control during the practical teaching and assessment of the achieved student success, as well as the pass rate of students who have passed the subject	

22.	Literature					
	22.1.	Required literature				
		Ord. number	Author	Title	Publisher	Year
		1.	B. Dejanova et al.	Physiology Practicum	Faculty of Medicine Skopje	2013
		2.	Guyton AK and Hal JE	Medical physiology	Academic Press, Skopje	2012
		3.	S. Petrovska et al.	Physiology 1	Faculty of Medicine Skopje	2011
	22.2.	Additional literature				
		Ord. number	Author	Title	Publisher	Year
		1.	Prabhaker E., Ali K.	Essential Physiology for Dental Students	Wiley-Blackwell	2018