
		UNIVERSITY OF EAST SARAJEVO Faculty of Medicine						
		Study program: medicine						
		Integrated academic studies		II study year				
Full subject title		PHYSIOLOGY						
Department		Department for preclinical subjects, Faculty of Medicine in Foca						
Subject code			Subject status		Semester		ECTS	
ME-02-1-014-3; ME-02-1-014-4			compulsory		III,IV		19	
Professor/ -s		Full prof. Zvezdana Kojic, PhD; full prof. Sinisa Ristic, PhD; assoc. prof. Nenad Ponorac, PhD, assoc. prof. Milan Kovacevic, PhD, assist. prof. Pavle Randjelovic						
Associate/ -s		Assist. Darinka Popovic, senior assist. Ivan Jojic, assist. Ljiljana Majstorovic, senior assist. Suncica Starovic Bajcetic						
Number of lectures/ teaching workload (per week)			Individual student workload (in hours per semester)			Coefficient of student workload S_o¹		
L	E	SP	L	E	SP	C_o		
4	5	0	4*15*1	5*15*1	0*15*1	1		
4	6	0	4*15*1	6*15*1	0*15*1	1		
total teaching workload (in hours, per semester) 4*15 + 5*15 + 0*15 =135 4*15 + 6*15 + 0*15 =150				total student workload (in hours, per semester) 4*15*1 + 5*15*1 + 0*15*1 =135 4*15*1 + 6*15*1 + 0*15*1 =150				
Total subject workload (teaching + student): 285+285=570 hours								
Learning outcomes		understanding the function of the human organism and their mechanisms of regulation, familiarization with the basics of functional diagnostics						
General competences		They are prepared for further development and advances within the field of medicine. They are capable of acting in accordance with rational and scientific concepts and principles. They have an unbiased attitude towards new scientific methods in medicine. They have acquired a systemic thinking approach as well as a structured approach to medical problems during their education. They are acquainted with methodology of scientific research.						
Preconditions		Attended previous years, passed exams: Anatomy, Histology and Embryology, Human Genetics Precondition for taking the exam: all year I exams passed						
Teaching methods		Theoretical lectures, theoretical seminars, practical activities - exercises						
Subject content per week		Theoretical lectures, theoretical seminars: 1. homeostasis, cell physiology 2. Irritable tissues 3. muscles, biophysics 4. sensory receptors, somatic sensitivity 5. somatic sensibility, biophysics 6. the sense of sight 7. the sense of hearing, biophysics 8. chemical senses, motoricity 9. motoricity 10. motoricity, biophysics 11. limbic system 12. hypothalamus and ANS 13. seminars 14. blood and body fluids 15. blood and body fluids Practical activities – exercises: 1. homeostasis, cell physiology 2. Irritable tissues 3. Irritable tissues 4. muscles 5. sensory receptors, somatic sensitivity						

¹ Coefficient of student workload S_o is calculated as it follows:

a) for the study programs not going through the licensing process: $S_o = (\text{total workload in semester for all the subjects } 900 \text{ hrs} - \text{total teaching workload } L+E \text{ in semester for all the subjects } 870 \text{ hrs}) / \text{total teaching workload } L+E \text{ in semester for all the subjects } ______ \text{ hrs} = ______$. Consult form content and its explanation.
b) for the study programs going through the licensing process, it is necessary to use form content and its explanation.

	6. the sense of sight			
	7. the sense of hearing, chemical senses, motoricity			
	8. motoricity			
	9. motoricity			
	10. limbic system, hypothalamus and ANS			
	11. solving problems			
	12. solving problems			
	13. blood and body fluids			
	14. blood and body fluids			
	15. blood and body fluids			
	Theoretical lectures, theoretical seminars:			
	1. cvs			
	2. cvs			
	3. cvs			
	4. cvs			
	5. respiration			
	6. respiration			
	7. kidneys			
	8. pH, osmolarity			
	9. GIT			
	10. energy, metabolism, nutrition, thermoregulation			
	12. solving problems			
	13. endocrine system			
	14. solving problems			
	15. solving problems			
Practical activities – exercises:				
1. cvs				
2. cvs				
3. cvs				
4.cvs, respiration				
5. respiration				
6. respiration, kidneys				
7. kidneys				
8. pH, osmolarity				
9. GIT				
10. GIT				
11. energy, metabolism, nutrition, thermoregulation				
12. energy, metabolism, nutrition, thermoregulation, endocrine system				
13. endocrine system				
14. endocrine system, seminars				
15.seminars				
Compulsory literature				
Author/s	Publication title, Publisher	Year	Pages (from-to)	
Mara Drecun, Dejan Bokonjic	Regulatorne uloge nervnog sistema Foca : Medicinski fakultet, 2010 (Zvornik: Eurografika).	2010	1-176	
Arthur C. Guyton and Jon E. Holl Savremena administracija knjiga	Medicinska fiziologija, 11 izdanje		1-1116	
Sinisa Ristic	Praktikum iz fiziologije	2010		
Additional literature				
Author/s	Publication title, Publisher	Year	Pages (from-to)	
Student responsibilities, types of student assessment and grading	Grading policy		Points	Percentage
	Pre-exam activities			
	lecture/exercise attendance		5	5%
	seminar paper		5	5%
	case study – group work		5	5%
	test/colloquium		25	25%
	working in laboratory/ lab. exercises		5	5%
	practical work		5	5%
	Final exam			
	test		25	25%
	oral exam		25	25%

	TOTAL	100	100 %
Certification date	June 17th 2024		

* the number of necessary rows is added by using *insert mode*