NAME OF THE COU	ME OF THE COURSE Anatomy and His			tology					
Code	PMB543		Year of study 1.						
Course teacher	Prof. Iv	ana Bočina, PhD	Credits (ECTS)	6.0					
	Nives k	Kević, PhD	Turne of instruction	L	S	E	F		
Associate teachers			Type of instruction			_	•		
				45	15	30			
Status of the course	Mandat	tory	Percentage of	20%					
	application of e-learning								
	COURSE DESCRIPTION								
Course objectives	 adoption of basic anatomical principles and titles important for knowing the structure of human body acquisition of knowledge about anatomical structure, location and mutual relationship between organs and organic systems that build the human body the acquisition of knowledge about the types of tissues and their properties, description, recognition and understanding of the histological structure of tissues and organs, Understanding the interrelationship between the tissues Introduction to the histological and functional connection of tissues within organs and organs, recognition of tissue using histological slides 				ues ans				
Course enrolment requirements and entry competences required for the course	After completing the exam the student will be able to:								
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	After cc 1. Unde of the h 2. Desc 3. Expla 4. Cate function 5. Unde the org 6. Expla 7. Desc tissues microso 8. Cate 9. Unde 10. Expl 10. Expl	ompleting the exam, erstand the basic and numan body cribe the texture of in ain the arrangement gorize individual org nal ensemble erstand the mutual re anism ain basic concepts in cribe and explain the and organs based o copy gorize tissues and o erstand relationships blain the structure of	the student will be able to: atomical concepts and prin dividual anatomical parts of of the anatomical parts of ans of the human body wite elationship between organs histology histological structure and n their histological structur rgans between tissues and orgat	mice able to. spts and principles of anatomical structure mical parts of the human body ical parts of the human body han body within the anatomical and ween organs and organic systems within ructure and know how to distinguish gical structure at the level of light les and organs their association within the organs					
Course content broken down in detail by weekly class schedule (syllabus)	LECTU Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7	CTURES: eek 1. Introduction to anatomy, histology and histology techniques (3 hours) eek 2. Bone system. Bones of the head, trunk, upper and lower limbs (3 hours) eek 3. Connective tissue (3 hours) eek 4. Joints. Cartilaginous tissue (3 hours) eek 5. Muscle tissue and muscular system (3 hours) eek 6. Muscles of the head, neck, trunk, upper and lower limbs (3 hours) eek 7. Nerve tissue and nervous system. (3 hours)							

Week 8. Central, peripheral and autonomic nervous system. Sense organs. (3
hours)
Week 9. The heart and circulatory system. The blood (3 hours
Week 10. Immune system (3 hours)
Week 11. Epithelial tissue, Digestive system, Digestive tube, (3 hours)
Week 12 Digestive glands Respiratory system (3 hours)
Week 12. Digestive glands: Respiratory System: (6 hours)
Week 13. Onliary system. (5 hours)
Week 15. Endocrino glande (2 hours)
week 15. Endochne glands (5 hours)
SEMINADS
Week 1. Microscopy techniques in histology (1 hour)
Week 1. Microscopy techniques in histology (1 hour)
Week 2. Bone system (1 hour)
Week 3. Connective tissue (1 hour)
Week 4. Joints. Cartilaginous tissue. (1 nour)
Week 5. Muscle tissue and muscular system. (1 hour)
Week 6. Muscles of the head, neck, trunk, upper and lower limbs. (1 hour)
Week 7. Nerve tissue and nervous system. (1 hour)
Week 8. Central, peripheral and autonomic nervous tissue. Sense organs. (1 hour)
Week 9. The heart and circulatory system. The blood. (1 hour)
Week 10. Immune system (1 hour)
Week 11. Epithelial tissue. Digestive system. Digestive tube. (1 sat)
Week 12. Digestive glands. Respiratory system. (1 hour)
Week 13. Urinary system. (1 hour)
Week 14. Male and female reproductive system. (1 hour)
Week 15. Endocrine glands (1hour)
Students will prepare seminars according to teacher's guidelines. Successfully
committed seminar is required to enter partial exam.
EXERCISES:
Week 1. Connective tissue – regular and irregular connective tissue, loose and
dense connective tissue, special types of connective tissue (2 hours)
Week 2. Cartilaginous tissue – section through hyaline, elastic and fibrocartilage (2
hours)
Week 3. Bone tissue – section through bone tissue, Haversian system, Haversian
lamellae, osteocytes (2 hours)
Week 4. Muscle tissue – skeletal, smooth and heart muscle tissue (2 hours)
Week 5. Nerve tissue and nervous system – section through white and grey matter
of the spinal cord, cerebellum, brain, peripheral nerve (2 hours)
Week 6. Circulatory system and blood – section through aortha, muscular artery
and vein. Blood cells. (2 hours)
Week 7. Immune system – section through lymph node, spleen, thymus (2 hours)
Week 8. Epithelial tissue (2 hours)
Week 9. Digestive tube – section through oesophagus, stomach, small and large
intestines (2 hours)
Week 10. Digestive glands – section through salivary glands, liver, gallbladder and
pancreas (2 hours)

	Week 11. Resp Week 12. Urina Week 13. Male penis (2 hours) Week 14. Fema uterus (2 hours) Week 15. Endo gland (2 hours)	viratory system ary system reproduct ale reprod) ocrine glar	stem – section n – section th tive system – uctive systen nds – section	n through epig rough kidney, u section throug n – section thro through pituita	lottis, trachea, l ureter, urinary b jh testes, ductus ough ovary, uter ry gland, thyroid	ung lado s de ine d gla	s (2 hours) der (2 hours) oferens and tube and and, adrenal
Format of instruction	 ☑ lectures □ seminars and workshops ☑ exercises □ on line in entirety □ partial e-learning □ field work 			 independent assignments multimedia laboratory work with mentor (other) 			
Student responsibilities	Attendance of I	Attendance of lectures and exercises.					
Screening student	Class attendance	1.0	Research		Practical training	ng	
proportion of ECTS	Experimental work		Report		Microscopy		1.0
activity so that the	Essay		Seminar essay	2.0	(Other)		
ECTS credits is	Tests		Oral exam		(Other)		
value of the course)	Written exam	2.0	Project		(Other)		
Grading and evaluating student work in class and at the final exam	Students are ev takes place dur who pass both who do not pas	valuated the second the second the second test of the second test of the second test of the second s	hrough a writ emester throu ts go directly he partial tes	ten, oral and p gh two partial t to the practica ts put together	ractical exam. T tests to satisfy 6 I part of the exa an oral and pra	he 50% am. Ictic	written test . Students Students al exam.
		1	Fitle		Number of copies in the library	Av o	ailability via ther media
	Junqueira L.C., Carneiro, J., Kelly R.O. (2005) 5 Osnove histologije. Školska knjiga, Zagreb						
Required literature (available in the	Keros, P, Pećir Temelji anatom	na M, M., I nije čovjek	vančić-Košu a. Naprijed ,	ta, 1999. Zagreb.	5		
media)	Sobotta, Pultz, Naklada Slap.	R. R. Pab Jastrebars	ost, 2000. Ana sko	atomski atlas.	5		
Optional literature (at the time of	 Вајек, S; Bol čovjeka. Sveuč 	binac, D; . ilište u Rij	Jerković, R; N eci, Rijeka	viainar, D; Mari	c, I (2007) Sust	avn	a anatomija

submission of study programme proposal)	2.Told/Hochstetter, J. Krmpotić-Nemanić, 1980. Anatomski atlas. Medicinska naklada, Zagreb. 3. A.L. Mescher (2013) Junqueira's basic histology. McGraw-Hill, New York.
Quality assurance methods that ensure the acquisition of exit competences	Active participation in course, evaluation of course and teacher, personal consultation.
Other (as the proposer wishes to add)	