
		UNIVERSITY OF EAST SARAJEVO					
		Faculty of Medicine					
		Study program:medicine					
		Integrated academic studies		I study year			
Full subject title		ANATOMY					
Department		Department for preclinical subjects, Faculty of Medicine in Foča					
Subject code			Subject status		Semester		ECTS
ME-02-1-001-1; ME-02-1-001-2			compulsory		I,II		20
Professor/ -s		Prof. Zdravko Vitosevic, full professor; prof. Miloš Gašić, assist. professor; prof. Radmila Balaban-Đurević, assist. professor					
Associate/ -s		Senior assist. Marija Drakul,MD; senior assist. Vanja Pljevaljic MD; assist. Tamara Solaja, MD					
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	S_o	
4	6	0	4*15*1=60	6*15*1=90	0	1	
3	7	0	3*15*1=45	7*15*1=105	0	1	
total teaching workload (in hours, per semester)				total student workload (in hours, per semester)			
4*15 +6*15+0*15 =150; 3*15+7*15+0*15 =150				4*15*1+6*15*1+0*15*1 =150; 3*15*1+7*15*1+0*15*1 =150			
Total subject workload (teaching + student): 300 + 300 = 600 hours							
Learning outcomes		1. mastering the subject, the student will be able to: gain knowledge of organ morphology 2. mastering the subject, the student will be able to: gain knowledge of systems of the human body 3. mastering the subject, the student will be capable of mastering the skills of identifying the structure of the human body. 4. mastering the subject, the student will be capable of mastering the identification of the positions and mutual relations of structures of the human body.					
General competences		They have adopted attitudes concerning medical ethics They are eager to react constructively to the outcomes of assessment- criticism and praise They have acquired a systemic thinking approach as well as a structured approach to medical problems during their education. They are capable of acting in accordance with rational and scientific concepts and principles. They are conscious of the necessity for continuous learning and improvement process to maintain a high level of medical competence. They are eager to train the colleagues and improve their own teaching skills.					
Preconditions		No preconditions for listening the subject; to take the exam it is compulsory to attend lectures and exercises.					
Teaching methods		lectures, laboratory exercises, seminar papers, case studies					
Subject content per week		Lectures: 1. Introduction to anatomy, general osteology, general sindesmology, general myology. General angyology, general neurology, 2. Bones of the upper limb, . Bones of the lower limb 3. The chest skeleton: the chest as a whole: <i>sternum, costae, vertebrae, os sacrum, os coccygis</i> , the vertebral column as a whole 4. Muscular joint system of the upper limb, muscular joint system of the lower limb 5. Blood vessels of the arm, nerves of the arm 6. Topographic and functional anatomy of the upper limbs, blood vessels 7. Nerves of the leg, Topographic and functional anatomy of the lower limbs 8. Clinical anatomy of the upper limb, clinical anatomy of the lower limb. 9. Chest wall, chest cavity, the anterior mediastinum 10. <i>Pleura et pulmo</i> , the mechanics of breathing, the middle mediastinum:the heart and pericardium.					

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

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

11. the posterior mediastinum, front lateral abdominal wall, *peritoneum*
12. Gastrointestinal tract
13. Back abdominal wall, kidney, renal pelvis, ureter, adrenal glands
14. Pelvic walls, *perineum*, external genital organs (male and female), *rectum*, *canalis analis*, *vesica urinaria*
15. Male internal genital organs, female internal genital organs
16. Cranium. The bones of the neurocranium
17. Cranium. The viscerocranium bones
18. Craniofacial cavities
19. Joints of the head and neck, division of neck muscles. *Plexus cervicalis*, *n. V*, *n. VII*, *n. XI*. *A. carotis communis*, *a. carotis externa* (pathway and branches). *A. carotis interna*, *a. subclavia*
20. Sinuses of hard brain membrane, veins of the head and neck, lymph nodes of the head and neck, *truncus sympathicus* and its branches. *Cavitas oris*, walls and content. *N. XII*. *Glandulae oris*
21. *Pharynx* (*spatium lateropharyngeum et retropharyngeum*). *Cavitas nasi*, *sinus paranasales*. *Larynx*
22. Eyesight: *bulbus oculi*, *n. opticus*, *organa oculi accessoria*, *a. ophthalmica*, *n. III*, *n. IV*, *n. VI*
23. Sense of hearing: *auris externa*, *media*, *interna*, *n. vestibulocochlearis*
24. *Nn. craniales*
25. *Medulla spinalis*- morphology and structure. *Truncus cerebri*
26. *Mesencephalon*, *cerebellum*. Spinocerebellar pathways. *Ventriculus IV*
27. *Diencephalon*. *Ventriculus III*
28. *Telencephalon*- external morphology, functional zones of *cortex*, limbic system of subcortical gray matter, white matter of the big brain
29. CNS pathways, division, motor pathways (direct and indirect), sensory pathways (*tr. spinothalamicus*, *back column system* and *lemniscus medialis*, *tr. trigeminothalamicus anterior et posterior*. Gustatory and visual pathway.
30. Pathways: acoustic, vestibular, olfactory. *Ventriculus lateralis*, meninges, intermeningeal spaces, *liquor cerebrospinalis*, blood vessels of the brain. Blood

Exercises:

1. *Clavicula*, *scapula*, *humerus*, *radius*, *ulna*, *ossa manus*
2. *Os coxae*, *femur*, *patella*, *tibia*, *fibula*, *skeleton pedis*
3. The chest skeleton: *sternum*, *costae*, *vertebrae*, the vertebral column as a whole
4. Functional and applied anatomy of the muscular joints of the upper and lower limbs
5. *Fossa axillaris*, *regio antebrachialis anterior*, *palma manus*
6. *Regio scapularis et brachialis posterior*, *regio antebrachialis posterior et dorsum manus*
7. *Regio femoris anterior et medialis*, *regio cruris anterolateralis*, *dorsum pedis*
8. *Regio glutealis*, *regio femoris posterior*, *fossa poplitea*, *regio cruris posterior*, *planta pedis*
9. Chest wall; *Diaphragma*, *cavitas thoracis*, division. *Mediastinum*: division: *mediastinum superius-contentj*
10. *Pleura et pulmo*, the heart and pericardium
11. *Mediastinum medium-content*, *mediastinum posterius-content*, front lateral abdominal wall, *organa in situ*, *peritoneum*
12. *Gaster*, *intestinum tenue et crassum*. Liver, bile pathways. Pancreas, spleen. *Truncus coeliacus*, *a. mesenterica superior et inferior*. *Sistem v. portae*
13. Back lateral abdominal wall, kidney, renal pelvis, ureter, adrenal glands
14. Pelvic nerves and blood vessels. *Perineum*, male and female external genital organs *ureter*, *vesica urinaria*. *Rectum*, *canalis analis*
15. Male internal genital organs, female internal genital organs
16. Bones of the head - division, the bones of the neurocranium
17. *Os temporale*. The bones of the face
18. Craniofacial cavities. Division of the cranial cavity, cranial openings and communications.
19. Division of the neck on regions, middle layer muscles of the front of the neck, *fascia cervicalis*, superficial veins, *plexus cervicalis*. Deep muscles of the front of the neck, *vagina carotica* and its content, *a. carotis externa et interna*, *a.* and their branches.
20. The back of the neck. Sinuses of hard brain membrane. Surface areas of the face and scalp *n.V*. *Regio parotideomasseterica*, *n. VII*. Deep facial areas, walls and contents (*mm. masticatorii*, *regio infratemporalis*, *spatium lateropharyngeum et retropharyngeum*). *Cavitas oris*
21. *Cavitas nasi*, *sinus paranasales*, *n. olfactorius*. *Pharynx*. *Larynx*, *glandula thyroidea et parathyroidea*
22. *Orbita*, *bulbus oculi*. *Organa oculi accessoria*.
23. *Auris externa*, *auris media*, *auris interna*
24. *Nn. craniales*. CNS parts.
25. *Medulla spinalis*. *Medulla oblongata i pons*
26. *Mesencephalon*. *Cerebellum*, *ventriculus IV*
27. *Diencephalon*. *Telencephalon*-external morphology.

	28. <i>Telencephalon</i> -internal morphology. Functional zones of the cerebral cortex, commissure, limbic system 29. CNS pathways, motor and sensory pathways 30. Chamber system of the brain. Blood vessels of the brain and spinal cord.			
Compulsory literature				
Author/s	Publication title, Publisher	Year	Pages (from-to)	
Milosavljevic M. Et al	Клиничка анатомија. Типографик Плус, Београд	2004		
Jovanovic S. Et al	Глава и врат. Савремена, Београд	2007		
Marinkovic S., Milisavljevic M.	Неуроанатомија. Типографик Плус, Београд	2001		
Additional literature				
Author/s	Publication title, Publisher	Year	Pages (from-to)	
Milosavljevic M. Et al	Атлас дисекције човека. Датастатус, Београд	2011		
Student responsibilities, types of student assessment and grading	Grading policy		Points	Percentage
	Pre-exam activities			
	lecture/exercise attendance		10	10%
	3 colloquiums		30	30%
	seminar paper		10	10%
	Final exam			
	practical exam		10	10%
	oral exam		40	40%
	TOTAL		100	100 %
Certification date	June 17th 2024			

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