
	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-01-1-001-1; ME-01-1-001-2	compulsory	I,II	20			
Professor/ -s	Full professor. Milan Milisavljević, PhD;					
Associate/ -s	senior assistant Radmila Balaban - Đurđević, MD, MSc; assistant Vanja Pljevaljić, MD; assistant Marija Drakul, MD					
Number of lectures/ teaching workload (per week)		Individual student workload (in hours per semester)		Coefficient of student workload S₀¹		
L	E	SP	L	E	SP	S₀
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.					
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 angiology, 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. 11. the posterior mediastinum, front lateral abdominal wall, <i>peritoneum</i> 12. Gastrointestinal tract 13. Back abdominal wall, kidney, renal pelvis, ureter, adrenal glands 14. Pelvic walls, <i>perineum</i> , external genital organs (male and female), <i>rectum, canalis analis, vesica urinaria</i> 15. Male internal genital organs, female internal genital organs 16. Cranium. The bones of the neurocranium 17. Cranium. The viscerocranium bones					

¹Coefficient of student workload S₀ is calculated as it follows:

a) for the study programs not going through the licensing process: S₀ = (total workload in semester for all the subjects 900 hrs – total teaching workload L+E in semester for all the subjects 870 hrs)/ total teaching workload L+E in semester for all the subjects ____ hrs = _____. 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.

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. *Telencephalon*-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)
Moore Keith	Clinically oriented anatomy, Lippincott Williams &	2017.	

	Wilkins			
FitzGerald	Clinical Neuroanatomy	2015.		
Milislavljević et al.	Anatomy dissections	2020.		
Additional literature				
Author/s	Publication title, Publisher	Year	Pages (from-to)	
Netter Frank	Atlas of human anatomy, Elsevier	2018.		
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%
		written exam	40	40%
	TOTAL	100	100 %	
Certification date	December 13 th 2018			

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