

Higher education institution: Slovak Medical University in Bratislava	
Faculty: Faculty of Medicine	
Course code: GM 001A	Course title: Anatomy (1)
Type, extent and method of educational activity: Recommended range of teaching (in hours/semester): 84 Lectures: 42 h/semester, 3 hours/week Practical exercises: 42h/ semester, 3 hours/week (Total work load of the student: 175 h) Method of the education: full-time study (distance study) ¹ Form of study: full-time	
Number of credits: 7	
Recommended semester/trimester study: 1st semester	
Level of higher education study: 1st + 2nd level	
Prerequisite courses: -	
Requirements for completion of the course: Method of assessment and completion of the course: Continuous assessment 1. 80 % participation in lectures and 100 % participation in practical exercises. 2. Successful completing of 2 tests (from lectures and practical exercises). 3. Minimum success rate: 70 %. Test rating in percentages: A: 100 % - 94 %, B: 93 % - 89 %, C: 88 % - 83 %, D: 82 % - 77 %, E: 76 % - 70 %, Fx: 69 % and less. 4. Practical exam of the structures of the upper and lower limbs. The student's workload is 91 hours (self-study, preparation for practical and dissection exercises, and seminar papers).	
Learning outcomes: The students will learn the basic anatomical nomenclature. They will acquire knowledge of the structure of the human body (in general). Understand the main characteristics of the musculoskeletal system, skin, and its derivatives. They will learn the basic concepts of the cardiovascular and lymphatic systems and describe the various circulatory systems. They will categorize the basic structures and divisions of the central and peripheral nervous system and endocrine glands. They will master the anatomical structures and topographic areas of the upper and lower limbs. Knowledge will be the basis for the study of physiology, pathological anatomy, and clinical disciplines.	
Brief content of the course (syllabus): I. Lecture topics: Terminologia anatomica – anatomical position, basic anatomical terms, planes and directions, approaches to the study of anatomy. Osteologia. Arthrologia. Myologia. Fasciae – fascial compartments and spaces. Integumentum commune – basic concepts, skin cleavability. Systema cardiovasculare – basic concepts, blood vessels, blood circulation. Systema lymphoidem. Systema nervosum – basic concepts, structure, and divisions. Nervi spinales. Glandulae endocrinae. Radiological examination methods. II. Topics of practical exercises: Skeleton of the upper limb. Joints of the upper limb. Muscles of the upper limb. Topographical regions of the upper limb. Vessels and nerves of the upper limb. Fascial compartments of the upper limb. Skeleton of the lower limb. Joints of the lower limb. Muscles of the lower limb. Topographical regions of the lower limb. Vessels and nerves of the lower limb. Fascial compartments of the lower limb. 70% of practical exercises take place in the practical and dissection rooms of the Institute of Anatomy and 30% at the virtual autopsy table.	
Recommended literature: Paulsen F, Böckers TM, Waschke J. Sobotta Anatomy Textbook. 1st ed. Elsevier, 2018, 824 p. ISBN 9780702067600 Paulsen, F. Waschke, J. Sobotta - Atlas of Human Anatomy. English/Latin. 16th ed. Elsevier, 2018, 1376 p. ISBN 070205268X Loukas, M., Benninger B., Tubbs, S. Gray's Clinical Photographic Dissector of the Human Body. 2nd ed. Elsevier, 2018, 470 p. ISBN 9780323544177	

¹§ 108e ods. 2 zákona č.131/2002 Z.z. o vysokých školách

Platzer, W. Color Atlas of Human Anatomy. Vol.1. Locomotor System. 7th rev ed. Stuttgart; New York: Georg Thieme Verlag, 2014, 480p. ISBN: 9783135333076
Fritsch, H., Kuehnel, W. Color Atlas of Human Anatomy. Vol. 2. Internal organs. 6th ed. Stuttgart; New York: Georg Thieme Verlag, 2014, 484p. ISBN: 9783135334066
Kahle, W., Frotscher M. Color Atlas of Human Anatomy. Vol. 3. Nervous System and Sensory Organs. 7th ed. Stuttgart; New York: Georg Thieme Verlag, 2015. 428p. ISBN: 9783135335070

Language requirements: Slovak and English languages

Notes:

Course assessment

Assessed students in total: 0

A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%

Lecturers:

MUDr. Hisham EL FALOUGY, PhD.

MUDr. Tomáš BARCZI, PhD., MPH

MUDr. Marta MASÁROVÁ

Date of last modification: 01/09/2021

Approved by: *person responsible for realization, development and ensuring of the study program quality*
prof. MUDr. Iveta Šimková, CSc.

Course Information Sheet

Higher education institution: Slovak Medical University in Bratislava	
Faculty: Faculty of Medicine	
Course code: GM 001B	Course title: Anatomy (2)
Type, extent and method of educational activity: Number of hours/semester): 98 Lectures: 42/3 h per Practical exercises: 56/ 4 h per week (Total work load of the student is 200 h) Method of the education activity: full-time study/(distance study) ¹ Form of the study: full-time	
Number of credits: 8	
Recommended semester/trimester study: 2 nd semester	
Level of higher education study: 1st + 2nd level	
Prerequisite courses: GM 001A Anatomy (1)	
Requirements for completion of the course: Method of assessment and completion of the course: Continuous assessment 1. 80 % participation in lectures and 100 % participation in practical exercises. 2. Successful writing of 2 tests (from lectures and practical exercises). 3. Minimum success rate: 70 %. Test rating in percentages: A: 100 % - 94 %, B: 93 % - 89 %, C: 88 % - 83 %, D: 82 % - 77 %, E: 76 % - 70 %, Fx: 69 % and less. 4. Practical exam of the structures of the thorax and abdomen. The student's workload is 102 hours (self-study, preparation for practical and dissection exercises, and seminar papers).	
Learning outcomes: The student will gain knowledge of topographic regions, the structure of walls, cavities, and spaces of the thorax and abdomen. They will master the projections of organs on the wall of the chest and abdomen. The student can practically use theoretical knowledge (from lectures) in the dissection of the thoracic and abdominal cavities. The acquired knowledge is the basis for the study of physiology, pathological anatomy, and clinical disciplines.	
Brief content of the course (syllabus): I. Lecture topics: Regiones thoracis, Cavitas thoracis, mediastinum. Pleura, trachea, bronchi, pulmones. Cor, pericardium. Glandulae mammae. Regiones abdominis. Cavitas abdominis, peritoneum. Oesophagus, gaster. Intestinum tenue, Intestinum crassum. Hepar, pancreas, Splen, glandula suprarenalis. System urinarium. Organa genitalia feminina. Organa genitalia masculina. Pelvis, perineum. II. Topics of practical exercises: Vertebral column and Thorax - skeleton and joints. Muscles and fascia of the thorax, abdomen, and back. Topographic regions of the thorax, abdomen, and back - landmarks and lines, skeletotomy, projection on the wall of the thorax and abdomen. Vessels and nerves of the thoracic and abdominal walls and back. Breast, intercostal spaces, inguinal canal. Opening of the thoracic cavity. Study of organs and spaces of the thoracic cavity. Vessels, nerves, and lymphatic vessels of the thorax. Opening of the abdominal cavity. Study of organs and spaces in the abdominal cavity. Study of organs in the lesser pelvis. Vessels, nerves, and lymph nodes in the abdominal cavity and pelvis. External genital organs. 70% of practical exercises take place in the practical and dissection rooms of the Institute of Anatomy and 30% at the virtual autopsy table.	
Recommended literature: Paulsen F, Böckers TM, Waschke J. Sobotta Anatomy Textbook. 1st ed. Elsevier, 2018, 824 p. ISBN 9780702067600 Paulsen, F. Waschke, J. Sobotta - Atlas of Human Anatomy. English/Latin. 16th ed. Elsevier, 2018, 1376 p. ISBN 070205268X Loukas, M., Benninger B., Tubbs, S. Gray's Clinical Photographic Dissector of the Human Body. 2nd ed. Elsevier, 2018, 470 p. ISBN 9780323544177 Platzter, W. Color Atlas of Human Anatomy. Vol.1. Locomotor System. 7th rev ed. Stuttgart; New York: Georg	

¹§ 108e ods. 2 zákona č.131/2002 Z.z. o vysokých školách

Thieme Verlag, 2014, 480p. ISBN: 9783135333076 Fritsch, H., Kuehnel, W. Color Atlas of Human Anatomy. Vol. 2. Internal organs. 6th ed. Stuttgart; New York: Georg Thieme Verlag, 2014, 484p. ISBN: 9783135334066 Kahle, W., Frotscher M. Color Atlas of Human Anatomy. Vol. 3. Nervous System and Sensory Organs. 7th ed. Stuttgart; New York: Georg Thieme Verlag, 2015. 428p. ISBN: 9783135335070					
Language requirements: Slovak and English languages					
Notes:					
Course assessment Assessed students in total: 0					
A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%
Lecturers: MUDr. Hisham EL FALOUGY, PhD. MUDr. Tomáš BARCZI, PhD., MPH MUDr. Marta MASÁROVÁ					
Date of last modification: 01.09.2021					
Approved by: <i>person responsible for realization, development and ensuring of the study program quality</i> <i>prof. MUDr. Iveta Šimková, CSc.</i>					

Higher education institution: Slovak Medical University in Bratislava	
Faculty: Faculty of Medicine	
Course code: GM 001C	Course title: Anatomy (3)
Type, extent and method of educational activity: Number of hours/semester): 84 Lectures: 42/3 h per week Practical exercises: 42/3 h per week (Total work load of the student is 225) Method of the education activity: full-time study/(distance study) ¹ Form of the study: full-time	
Number of credits: 9	
Recommended semester/trimester study: 3rd	
Level of higher education study: 1st + 2nd level	
Prerequisite courses: GM 001B Anatomy (2)	
Requirements for completion of the course: Assessment and completion of the course: Exam Continuous assessment of the semester: 1. 80% participation in lectures and 100% participation in practical exercises. 2. Successful writing of 2 tests (from lectures and practical exercises). 3. Minimum success rate: 70%. Test rating in percentages: A: 100% - 94%, B: 93% - 89%, C: 88% - 83%, D: 82% - 77%, E: 76% - 70%, Fx: 69% and less. 4. Practical exam of head and neck structures. Final exam: 1. Test (achieve at least 70% correct answers). 2. Oral exam. 3. The student must pass the test before passing the oral part of the exam. 4. In the case of repeating the final exam, the student is obliged to repeat only the unsuccessful part of the exam. The student's workload is 141 hours (self-study, preparation for practical and autopsy exercises, preparation of seminar papers).	
Learning outcomes: The students learn about the head and neck areas, central nervous system, autonomic (sympathetic and parasympathetic) nervous system, and sensory organs. After completing the anatomy (Anatomy 1, 2, 3), the students master anatomy and principles of construction of the human body and its parts to the extent that the acquired knowledge is the basis for understanding physiological and pathological processes that are an essential part of the study of clinical disciplines.	
Brief content of the course (syllabus): I. Lecture topics: Cavitas oris. Cavitas nasi. Sinus paranasales. Pharynx. Larynx. Glandula thyroidea. Medulla spinalis. Truncus encephali. Nervi craniales. Cerebellum. Diencephalon. Hypophysis. Telencephalon. Pars autonómica systematis nervosi peripherici – pars sympáthica, pars parasympáthica, pars enterica. Organum olfactorium. Organum gustatorium. Auris. Oculus et structurae pertinentes. II. Topics of practical exercises: Skeleton and joints of the head and neck. Muscles and fascia of the head and neck. Topographic regions and spaces of the head and neck. Vessels, nerves, and lymph nodes of the head and neck. Opening the skull and removing the brain. Meninges. Vessels of the brain and spinal cord. Ventricular system of the brain. Brain stem. Cranial nerve projections from openings on the skull. Cranial nerve projections from the base of the brain. Cerebellum. Diencephalon. Telencephalon. 70% of practical exercises take place in the practical and dissection rooms of the Institute of Anatomy and 30% at the virtual autopsy table.	
Recommended literature: Paulsen F, Böckers TM, Waschke J. Sobotta Anatomy Textbook. 1st ed. Elsevier, 2018, 824 p.	

¹§ 108e ods. 2 zákona č.131/2002 Z.z. o vysokých školách

ISBN 9780702067600

Paulsen, F. Waschke, J. Sobotta - Atlas of Human Anatomy. English/Latin. 16th ed. Elsevier, 2018, 1376 p. ISBN 070205268X

Loukas, M., Benninger B., Tubbs, S. Gray's Clinical Photographic Dissector of the Human Body. 2nd ed. Elsevier, 2018, 470 p. ISBN 9780323544177

Platzer, W. Color Atlas of Human Anatomy. Vol.1. Locomotor System. 7th rev ed. Stuttgart; New York: Georg Thieme Verlag, 2014, 480p. ISBN: 9783135333076

Fritsch, H., Kuehnel, W. Color Atlas of Human Anatomy. Vol. 2. Internal organs. 6th ed. Stuttgart; New York: Georg Thieme Verlag, 2014, 484p. ISBN: 9783135334066

Kahle, W., Frotscher M. Color Atlas of Human Anatomy. Vol. 3. Nervous System and Sensory Organs. 7th ed. Stuttgart; New York: Georg Thieme Verlag, 2015. 428p. ISBN: 9783135335070

Language requirements: Slovak and English languages

Notes:

Course assessment

Assessed students in total: 0

A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%

Lecturers:

MUDr. Hisham EL FALOUGY, PhD.

MUDr. Tomáš BARCZI, PhD., MPH

MUDr. Marta MASÁROVÁ

Date of last modification: 01.09.2021

Approved by: *person responsible for realization, development and ensuring of the study program quality*
prof. MUDr. Iveta Šimková, CSc