



«УТВЕРЖДАЮ»
Зав. кафедрой нормальной анатомии
человека, профессор  Н. Т. Алексеева
25.08.2022 г.

МИМОС «лечебное дело»
образовательная программа, частично реализуемая на английском языке

**CALENDAR-THEMATIC PLAN OF LECTURES AND PRACTICAL CLASSES
IN HUMAN ANATOMY
FOR 1ST YEAR STUDENTS IN THE 1ST TERM OF 2022–2023 ACAD. YEAR**

Lectures

Wednesday – 13:40–15:20 – Hostel #3, auditory 440
Lecturer – associate prof. D.A. Sokolov

№ п.п.	Date	Topic
1.	5.10	Introductory lecture. Brief history of the medical university and department of human anatomy. Organizational matters. Aims and scopes of human anatomy and its significance in the system of medical education. Modern methods of anatomical research.
2.	12.10	Functional anatomy of the skeleton. The structure of bones, their development and growth. Osteon. The influence of labor, sports, the environment and other factors on the structure of the bones of the skeleton. Age-related features of bone structure.
3.	19.10	Arthrosyndesmology. Classification of joints. The structure of the joint, its main and auxiliary components. Biomechanics. Age-related features in the structure of the joints.
4.	26.10	Functional anatomy of the joints of the trunk and limbs.
5.	2.11	General craniology. Bones of the cerebral and facial cranium. Types of skulls and basic craniometric characteristics. Skull buttresses. Age-related and sexual features of the structure of the skull. Skull in newborns.
6.	9.11	The development of the human skull and its departments in ontogeny. Anomalies of skull development. Topography of the skull. Applied aspect of craniology.
7.	16.11	Functional anatomy of skeletal muscles. Classification. The structure of the muscle as an organ. Fundamentals of the topography of muscles and fascia. Auxiliary muscle formations. Biomechanics.
8.	23.11	Functional anatomy of the muscles of the head and neck. Topography. Mimic muscles, their anatomical and topographic features. Facial expressions, social significance of facial expressions. Masticatory muscles. Topography and fasciae of the neck muscles.
9.	30.11	Functional anatomy of the muscles of the trunk and limbs. Topography. Classification, origin. Weak spots of the anterior-lateral abdominal wall, diaphragm. Topography of muscles and fascia. Osteo-fibrous and synovial tendon sheaths of the hand and foot.
10.	7.12	Modern methods of medical visualization of the musculoskeletal system.
11.	14.12	Splanchnology. Topography of organs. development of the alimentary canal. General plan of the structure of the digestive tube. Component parts of the system. Types of digestion. development of the alimentary canal. Anomalies in the development of the digestive system.

Practical classes

ЛИА-103 (Monday)		ЛИА 104, 105 (Thursday)	
3.10	Topic № 1	4.10	Topic № 1
10.10	Topic № 2	11.10	Topic № 2
17.10	Topic № 3	18.10	Topic № 3
24.10	Topic № 4	25.10	Topic № 4
31.10	Topic № 5	1.11	Topic № 5
7.11	Topic № 6	8.11	Topic № 6
14.11	Topic № 7	15.11	Topic № 7
21.11	Topic № 8	22.11	Topic № 8
28.11	Topic № 9	29.11	Topic № 9
5.12	Topic № 10	6.12	Topic № 10
12.12	Topic № 11	13.12	Topic № 11
19.12	Topic № 12	20.12	Topic № 12
26.12	Topic № 13	27.12	Topic № 13
	Topic № 14		Topic № 14
	Topic № 15		Topic № 15
	Topic № 16		Topic № 16

№ п.п.	Lesson topic
1.	Introduction to anatomy. Anatomical nomenclature. Axes and planes of the human body. The musculoskeletal system. Osteology. General information about the structure of the vertebrae. Cervical, thoracic vertebrae. Structural features. Lumbar vertebrae, structural features. Sacrum. Coccyx. Sternum, ribs.
2.	The skeleton of the upper limb. Bones of the shoulder girdle: scapula, clavicle bone. Bones of the free upper limb: humerus, forearm bones, hand bones.
3.	Lower limb skeleton. Bones of the pelvic girdle: pelvic bone. Bones of the free lower limb: thigh, leg and foot bones.
4.	Arthrology. Articulations of the bones of the trunk. Articulations of the vertebrae. Articulations of the spinal column with the skull. The vertebral column as a whole. Rib articulations. Thorax as a whole.
5.	Articulations of the bones of the upper limb. Articulations of the bones of the shoulder girdle. Joints of the free part of the upper limb: shoulder and elbow joints. Articulations of the bones of the hand: wrist joint, small joints of the hand. The hand as a whole.
6.	Articulations of the bones of the lower limb. Articulations of the bones of the pelvic girdle. The pelvis as a whole. The joints of the free part of the lower limb: the hip and knee joints. Articulations of the bones of the foot: ankle joint, joints of the tarsus, metatarsus. The foot as a whole, the arches of the foot.
7.	Craniology. Bones of the cerebral skull: frontal, parietal, occipital. Sphenoid bone.
8.	Ethmoid bone. Temporal bone.
9.	Bones of the facial skull: upper jaw, lower jaw. Small bones of the facial skull. Hyoid bone.
10.	Skull topography. Cerebral skull: inner and outer base of the skull. Facial skull: orbit, nasal cavity, pterygopalatine fossa. Connections of the bones of the skull: sutures of the skull, temporomandibular joint.
11.	Myology. Muscles and fascia of the head. Mimic and masticatory muscles. Muscles and fascia of the neck. Neck topography.
12.	Muscles and fascia of the trunk: muscles and fascia of the back, chest, abdomen. Diaphragm. Topography. Weak spots of the abdominal wall.
13.	Muscles and fascia of the upper limb. Muscles and fascia of the shoulder girdle. Muscles and fascia of the free part of the upper limb, topography.
14.	Muscles and fascia of the lower limb. Muscles and fascia of the pelvic girdle. Muscles and fascia of the free part of the lower limb, topography.
15.	Rating control " Musculoskeletal system " . Practical skills. Test control.
16.	Rating control " Musculoskeletal system " . Oral control.