



«УТВЕРЖДАЮ»  
 Зав. кафедрой нормальной анатомии  
 человека, профессор  Н. Т. Алексеева  
 26.08.2024 г.

**31.05.01 Лечебное дело «МИМОС»**  
**образовательная программа, частично реализуемая на английском языке**  
**31.05.01 General medicine**

**CALENDAR-THEMATIC PLAN OF LECTURES AND PRACTICAL CLASSES  
 IN HUMAN ANATOMY  
 FOR 1<sup>ST</sup> YEAR STUDENTS IN THE 1<sup>ST</sup> TERM OF 2024–2025 ACAD. YEAR**

**Lectures**

Wednesday – 13:40–15:20 – odd week – auditorium #502

Lecturer – associate prof. D.A. Sokolov

№ п.п.	Date	Topic
1.	2.10	Introductory lecture. Subject, content, its objectives and importance in the medical education system. Modern methods of anatomical research. Functional anatomy of the skeleton. Structure of bones, their development and growth. Osteon. Influence of work, sports, external environment and other factors on the structure of skeletal bones.
2.	16.10	Arthrosyndesmology. Classification of joints. Joint structure, its main and auxiliary components. Biomechanics.
3.	30.10	General craniology. Bones of the cranial and facial skull. Types of skulls and main craniometric characteristics. Cranial buttresses.
4.	13.11	Age and gender features of the skull structure. Development of the human skull and its parts in ontogenesis. Topography of the skull. Applied aspect of craniology. Developmental anomalies.
5.	27.11	Functional anatomy of skeletal muscles. Classification. Structure of muscle as an organ. Fundamentals of muscle and fascia topography. Auxiliary muscle formations. Biomechanics.
6.	11.12	Functional anatomy of the muscles of the head and neck. Functional anatomy of the muscles of the trunk and limbs. Topography.

**Practical classes**

**3-hours lessons (Monday, Tuesday, Wednesday, Thursday, Saturday)**

ЛИА 110 (Monday)		ЛИА 107, 108, 112 (Tuesday)		ЛИА 111, 113 (Wednesday)		ЛИА 109, 114 (Thursday)		ЛИА 115 (Saturday)	
2.09	Topic № 1	3.09	Topic № 1	4.09	Topic № 1	5.09	Topic № 1	7.09	Topic № 1
9.09	Topic № 2	10.09	Topic № 2	11.09	Topic № 2	12.09	Topic № 2	14.09	Topic № 2
16.09	Topic № 3	17.09	Topic № 3	18.09	Topic № 3	19.09	Topic № 3	21.09	Topic № 3
23.09	Topic № 4	24.09	Topic № 4	25.09	Topic № 4	26.09	Topic № 4	28.09	Topic № 4
30.09	Topic № 5	1.10	Topic № 5	2.10	Topic № 5	3.10	Topic № 5	5.10	Topic № 5
7.10	Topic № 6	8.10	Topic № 6	9.10	Topic № 6	10.10	Topic № 6	12.10	Topic № 6
14.10	Topic № 7	15.10	Topic № 7	16.10	Topic № 7	17.10	Topic № 7	19.10	Topic № 7
21.10	Topic № 8	22.10	Topic № 8	23.10	Topic № 8	24.10	Topic № 8	26.10	Topic № 8
28.10	Topic № 9	29.10	Topic № 9	30.10	Topic № 9	31.10	Topic № 9	2.11	Topic № 9
11.11	Topic № 10	5.11	Topic № 10	6.11	Topic № 10	7.11	Topic № 10	9.11	Topic № 10
18.11	Topic № 11	11.11	Topic № 11	13.11	Topic № 11	14.11	Topic № 11	16.11	Topic № 11
25.11	Topic № 12	19.11	Topic № 12	20.11	Topic № 12	21.11	Topic № 12	23.11	Topic № 12
2.12	Topic № 13	26.11	Topic № 13	27.11	Topic № 13	28.11	Topic № 13	30.11	Topic № 13
9.12	Topic № 14	3.12	Topic № 14	4.12	Topic № 14	5.12	Topic № 14	7.12	Topic № 14
16.12	Topic № 15	10.12	Topic № 15	11.12	Topic № 15	12.12	Topic № 15	14.12	Topic № 15
23.12	Topic № 16	17.12	Topic № 16	18.12	Topic № 16	19.12	Topic № 16	21.12	Topic № 16
30.12	Credit lesson	24.12	Credit lesson	25.12	Credit lesson	26.12	Credit lesson	28.12	Credit lesson

№ 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.	<b>Rating lesson "Osteology. Arthrology. Craniology". Interview. Practical skills. Testing.</b>
12.	Myology. Muscles and fascia of the head. Mimic and masticatory muscles. Muscles and fascia of the neck. Neck topography.
13.	Muscles and fascia of the trunk: muscles and fascia of the back, chest, abdomen. Diaphragm. Topography. Weak spots of the abdominal wall.
14.	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.
15.	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.
16.	<b>Rating lesson " Myology". Interview. Practical skills. Testing.</b>
17.	<b>Credit lesson.</b>