




«УТВЕРЖДАЮ»
Зав. кафедрой нормальной анатомии
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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 2021–2022 ACAD. YEAR**

2.11-8.11	Topics № 1, 2
	Lecture № 1, 2
9.11-15.11	Topics № 3, 4
	Lecture № 3
16.11-22.11	Topics № 5, 6
	Lecture № 4
23.11-29.11	Topics № 7, 8
	Lecture № 5, 6
30.11-6.12	Topics № 9, 10
	Lecture № 7, 8
7.12-13.12	Topics № 11, 12
	Lecture № 9, 10
14.12-20.12	Topics № 13, 14
	Lecture № 11, 12
21.12-27.12	Topics № 15, 16
	Lecture № 13, 14

Lectures
(distance learning)

№ п.п.	Topic
1.	Introductory lecture. Aims and scope of human anatomy, its role in medical specialists training. Principles of modern anatomy, methods of anatomical investigation. General data on the structure of the human body. Age periodization of human ontogenesis. The concept of the constitution. Body types.
2.	Functional anatomy of the human skeleton, its parts, general characteristics. Bone structure, development and growth. Osteon. The influence of labor, sports, the external environment and other factors on the structure of the bones of the skeleton.
3.	General artherosyndesmology. Classification of articulations. Joint structure, its main and auxiliary components. Biomechanics.
4.	Functional anatomy of the trunk and limb articulations.
5.	General questions of craniology. Skull types and basic craniometric characteristics. Skull buttresses. Age and sex characteristics of the structure of the skull.
6.	Development of the human skull and its parts in ontogenesis. Developmental anomalies. Skull topography. Applied aspect of craniology.
7.	Modern methods of medical imaging.
8.	X-ray anatomy of the musculoskeletal system.
9.	General anatomy of skeletal muscles. Classification. The structure of the muscle as an organ. Fundamentals of muscle and fascia topography. Auxiliary muscle formations. Biomechanics.
10.	Functional anatomy of the muscles of the head and neck. Mimic muscles, their anatomical and topographic features. Facial expressions, the social meaning of facial expressions. Masticatory muscles. Topography and fascia of the muscles of the neck.
11.	Functional anatomy of the muscles of the trunk and limbs. Classification, origin. Weak spots of the anterior-lateral abdominal wall, diaphragm. Muscle and fascia topography. Bone-fibrous and synovial sheaths of the tendons of the hand and foot.
12.	Splanchnology. The concept of organ topography. General plan of the structure of the digestive tube. Components of the system. Types of digestion.

13.	Development of the digestive tube. Anomalies in the development of the digestive system.
14.	History of anatomy.

Practical classes

№ п.п.	Lesson topic
1.	Introduction to Human Anatomy. Anatomical nomenclature. Axes and planes of the human body. Osteology. General data on the structure of the vertebrae. Cervical, thoracic vertebrae. Features of the structure. 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.	Rating control "Osteology, arthrology". Test control.
8.	Craniology. Bones of the cerebral skull: frontal, parietal, occipital. Sphenoid bone. Ethmoid bone.
9.	Temporal bone. 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.	Rating control "Craniology". Test control.
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.	Rating control "Myology". Test control.