

HUMAN ANATOMY
Curriculum of the laboratory classes
For the students, speciality of “General medicine”, “Dentistry”
2019-2020

Accreditation types:

1st semester – 2 **controls**;

N	Section	Semester	Week	Lectures (quantity)	Lessons (quantity)
1.	<u>Introduction</u>	1	1	1	1
2.	Osteology	1	1-6	1	6
Control “Osteology”					
3.	<u>Syndesmology</u>	1	8-9	2	2
4.	Myology	1	10-15	2	6
Control “Myology”					

Curriculum of the discipline

1st semester (1st year of study)

Lecture (2 hours): History of anatomy. Cells, tissues, organs. Conception of organism unity. Organism and environment.

Lecture (2 hours): Bone. Types and functions of skeletal structures. Bone’s classification.

Lecture (2 hours): Syndesmology.

Lecture (2 hours): Arthrology. Synarthrosis. Joints.

Lecture (2 hours): The myology. Classification of muscles.

Lecture (4 hours): Fasciae and intercellular spaces. Topography of muscles.

Lecture (2 hours): Development of musculoskeletal system.

Lesson 1: Introduction. Body regions. Planes, axes and basic orienting points in anatomy. Anatomical terms. The vertebral column: the vertebrae, the sacrum, the coccyx. Chest bones: the sternum, the ribs.

Lesson 2. Pectoral girdle: the clavicle, the scapula. The bones of free part of upper limb: the humerus, the bones of forearm (radius, ulna), bones of the hand.

Lesson 3. Pelvic girdle: the hip bone. The bones of free part of lower limb: femur, patella, leg bones (the tibia, the fibula), bones of the foot.

Lesson 4. Neurocranium: the occipital bone, the parietal bone, the frontal bone, the ethmoid bone, the sphenoid bone, the temporal bone and its canals.

Lesson 5. The facial skeleton: the maxilla, the palatine bone, the zygomatic bone, the nasal bone, the lacrimal bone, the inferior nasal concha, the vomer, the mandible, the hyoid bone. Orbit, its walls and connections.

Lesson 6. Cranium as a whole. The calvaria. External and internal surfaces of cranial base. The bony nasal cavity. The bony oral cavity. The temporal fossa. The infratemporal fossa. The pterygopalatine fossa.

Lesson 7. Control «Osteology»

Lesson 8. The temporomandibular joint. Vertebral joints, The atlanto-occipital joint, the atlanto-axial joint. The thoracic joints. The joints of pectoral girdle. Joints of free upper limb. The shoulder joint. The elbow joint. The joints of forearm. The wrist joint. The joints of hand. The joints of pelvic girdle. The hip joint. The knee joint. The joints of leg. The ankle joint.

The joints of foot.

Lesson 9. The muscles of head. The facial muscles: epicranial, external ear muscles, muscles around eyes, nose and mouth. The masticatory muscles. The fasciae of head.

Lesson 10. The muscles of neck: superficial, medial, deep. Topography of neck. Fasciae and intercellular spaces of neck.

Lesson 11. The muscles of upper limb. The muscles of pectoral girdle, shoulder, arm. The muscles of hand. The fasciae of upper limb. The tendon sheaths.

Lesson 12. The muscles of lower limb. The muscles of pelvic girdle. The muscles of hip. The muscles of leg. The muscles of foot. The fasciae and tendon's sheaths of lower limb.

Lesson 13. The diaphragm. The muscles of chest. The fasciae of chest. The muscles of abdomen. The rectus sheath. Linea alba. The inguinal canal. The fasciae of abdomen.

Lesson 14. The muscles and the fasciae of the back. **Written control «Arthrology. Syndesmology».**

Lesson 15. Control «Myology».