

***The list of themes of practical works in anatomy at the first term for first-year students (16 weeks, 64 working hours)***

***Module #1 “The Supporting and Locomotor System”***

1. Anatomical terminology. Axes and planes of the human body.
2. Common features of the vertebrae. The cervical, thoracic and lumbar vertebrae. The sacrum and the coccyx. Computer control.
3. The structure of the sternum and ribs. Bones of the upper limb: the clavicle, the scapula, the humerus.
4. Bones of the forearm and the hand. Computer control.
5. Bones of the lower limb: the hip bone, the femur.
6. Bones of the leg and the foot. Computer control.
7. Bones of the cerebral cranium: the occipital bone, the parietal bone, the frontal bone.
8. The sphenoid bone, the ethmoid bone. Computer control.
9. The temporal bone. Canals of the temporal bone.
10. Bones of the visceral cranium. The hyoid bone. Computer control.
11. The skull as a whole: the external and internal surfaces of the base of the skull. The temporal and infratemporal fossae. The orbits.
12. The cavity of the nose. The pterygopalatine fossa. Computer control.
13. The general syndesmology. Joins of the skull bones. Features of the newborn skull.
14. The vertebral column. Joins between the ribs and sternum, between the ribs and vertebrae. The thoracic cage as a whole. Computer control.
15. Joins of the shoulder girdle. The shoulder and elbow joints. Joins between the forearm bones. Joins of the hand bones. Computer control.
16. Joints of the pelvic bones. The pelvis as a whole. The hip joint. The knee joint.
17. Joints between the leg bones and bones of the foot. The surgical joints of the foot. The arches of the foot. Computer control.
18. **The test in the bones and joints.**
19. Muscles and fasciae of the back.
20. Muscles and fasciae of the chest. The diaphragm. Computer control.
21. Muscles and fasciae of the abdomen. Linea alba. The umbilical ring. The inguinal canal. The sheath of the rectus abdominis muscle. Computer control.
22. Muscles and fasciae of the head. Muscles of the neck.
23. Topography and fasciae of the neck. Computer control.
24. Muscles and fasciae of the region of the shoulder joint and upper arm.
25. Muscles and fasciae of the forearm and hand. Computer control.
26. Topography of the upper limb.
27. Muscles and fasciae of the hip region and the thigh.
28. Muscles of the leg and the foot. Computer control.
29. Topography of the lower limbs. Computer control.
30. ***The test in muscular system.***
31. Repetition of the bones and joints.
32. **The general module #1 “The Supporting and Locomotor System.” *The grand total control of the first term.***

*The list of themes of practical works in anatomy at the second term for the first-year students (20 weeks, 108 working hours)*

**Module #2 “Splanchnology. The Central Nervous System. The Cardiovascular System.”**

1. The cavity of the mouth. The palate, the teeth.
2. The tongue, glands of the oral cavity.
3. The pharynx, the esophagus. Computer control.
4. The stomach. Surface mapping of the abdomen. Peritoneal relations of viscera.
5. The small intestine. The large intestine. Computer control.
6. The liver, the gallbladder, the pancreas.
7. The peritoneum. The peritoneal cavity. The cavity of the true pelvis. Computer control.
8. The nose. The nasal cavity. The larynx. Computer control.
9. The trachea. The principal bronchi. The lungs. The bronchial tree and the alveolar tree. The lesser (pulmonary) blood circulation.
10. The pleura and the mediastinum. Boundaries of the lungs and pleural sacs. Computer control.
11. The structure and topography of the kidneys.
12. The ureter. The urinary bladder. The female and male urethrae. Computer control.
13. The male genital organs.
14. The female genital organs. Computer control.
15. The perineum. Computer control.
16. **The test in “Splanchnology”**
17. Overview of the nervous system. The external structure of the spinal cord.
18. The internal structure of the spinal cord. The meninges of the spinal cord. Computer control.
19. General survey of the brain. Embryogenesis of the brain.
20. The medulla oblongata. The pons and cerebellum. Computer control.
21. The rhomboid fossa. The fourth ventricle.
22. The mesencephalon. The cerebral aqueduct. The isthmus of the rhombencephalon
23. The diencephalon. The third ventricle. Computer control.
24. The rhinencephalon. The basal nuclei. The internal capsule.
25. The lateral ventricles. The corpus callosum. The fornix. The septum pellucidum. Computer control.
26. The relief of the cerebral hemispheres cortex (pallium).
27. Functional arrangement of the cerebral cortex. Computer control.
28. The association, commissural and projection fibers of the white matter of the hemispheres. The descending conduction pathways.
29. The ascending conduction pathways.
30. The meninges of the brain. The cerebrospinal fluid. The vessels of the brain. Computer control.
31. **The test in “CNS”**
32. The external structure of the heart. Lesser (pulmonary) and greater (systemic) blood circulations.
33. Chambers of the heart. Cardiac valves. The structure of the heart wall.
34. Topography of the heart. Arteries, veins and nerves of the heart. The conducting system of the heart. The pericardial sac. Computer control.
35. Arteries of systemic circulation: topography of the aorta, branches of the aortic arch. The common carotid artery. The internal carotid artery.

36. The external carotid artery: anterior, posterior and medial branches.
37. The external carotid artery: terminal branches. Computer control.
38. The subclavian artery.
39. The axillary and brachial artery.
40. Arteries of the forearm and the hand. Computer control.
41. Branches of the thoracic aorta. The paired visceral and parietal branches of the abdominal aorta.
42. The unpaired visceral branches of the abdominal aorta. Computer control.
43. Arteries of the pelvic cavity. Arteries of the thigh.
44. The popliteal artery. Arteries of the shin and the foot. Computer control.
45. The system of the superior vena cava: veins of the head, the neck.
46. The system of the superior vena cava: veins of the upper limbs and walls of the trunk.
47. The system of the inferior vena cava: veins of the pelvic cavity and the lower limb, the hepatic portal vein.
48. Porto-caval and cava-caval anastomoses. Fetal blood circulation. Computer control.
49. The lymphatic system. Lymph drainage of organs and tissues. The spleen. The mammary gland. The immune system.
50. **The test in “*Cardiovascular System*”**
51. Repetition of the splanchnology.
52. Repetition of the CNS.
53. Repetition of the cardiovascular system.
54. **The general module #2 “*Splanchnology. CNS. Cardiovascular System.*” *The grand total control of the second term.***

*The list of themes of practical works in anatomy at the third term for the second-year students (18 weeks, 54 working hours)*

**Module #3 “The Peripheral Nervous System. Sense Organs”**

1. The peripheral part of nervous system. The cranial nerves.
2. The first branch of the trigeminal nerve. The ciliary ganglion.
3. The second branch of the trigeminal nerve. The parasympathetic ganglion.
4. The third branch of the trigeminal nerve. The parasympathetic ganglia. Computer control.
5. The facial, the glossopharyngeal nerves.
6. The vagus and the accessory nerves. Computer control.
7. The hypoglossal nerve. The posterior branches of the spinal nerves. The cervical plexus. Computer control.
8. The short branches of the brachial plexus.
9. The long branches of the brachial plexus. Computer control.
10. The anterior branches of the thoracic nerves. The lumbar plexus.
11. The sacral plexus. Computer control.
12. The autonomic part of the nervous system. The parasympathetic division of the autonomic nervous system.
13. The sympathetic division of the autonomic nervous system. The autonomic plexuses of the abdominopelvic cavity. Computer control.
14. The endocrine system. Computer control.
15. **The test in “PNS. Endocrine system”**
16. The structure of the eyeball.
17. The accessory structures of the eye.
18. The optic, the oculomotor, the trochlear and the abducent cranial nerves. The visual tract. Computer control.
19. The structure of the external and middle ear.
20. The internal ear. The vestibulocochlear nerve. Hearing and balance tracts.
21. The skin. The breast. The organ of smell. The olfactory nerves.
22. The organ of taste. The taste tract. Computer control.
23. **The test in “Sense Organs”**
24. Repetition of the PNS
25. **The general module in “PNS and Sense Organs”.**
26. Blood supply and innervation of organs and muscles
27. The test of “Krok-1