

ANATOMY PROGRAM - B
Academic year 2020/2021, Spring Semester
Internal organs and neuroanatomy

The lectures are held via Zoom, while the practices are held in personal at the Huzella's Lecture Hall of the Anatomy Department.

Zoom meeting ID: 939 2189 0762

Weekly curriculum	12.00	8.00
1st week	February 16 - Lecture Introduction to the splanchnology. Oral cavity and pharynx. (Prof. Kiss)	February 19 - Lecture Respiratory system. (Prof. Kiss)
2nd week		February 25 - Practice Respiratory system. Specimen demonstration. (Dr. Katz)
3rd week	March 2 - Lecture Heart (Dr. Katz)	March 5 - Lecture Chest cavity and mediastinum. (Dr. Katz)
4th week		March 11 - Practice Digestive system I. (esophagus, stomach, liver) Specimen demonstration. (Dr. Katz)
5th week	March 16 - Lecture Digestive system II. (pancreas, small and large intestines) (Prof. Kiss)	March 19 - Lecture Review (Dr. Katz)
6th week		March 25 - Practice Cardiovascular system and gastrointestinal tract. Specimen demonstration. (Dr. Katz)
7th week	March 30 - Lecture Urinary system. (Dr. Katz)	April 2 Easter
8th week		April 8 - Practice Urogenital system. Specimen demonstration. (Dr. Katz)

Weekly curriculum	12.00	8.00
9th week	April 13 Faculty Day	April 16 - Lecture Nervous tissue. Meninges, gross anatomy of the brain. Development of the nervous system. (Prof. Kiss)
10th week		April 22 - Practice Diencephalon, brain stem, cerebellum and basal ganglia. Spinal cord and sensory pathways. Dr. Katz)
11th week	April 27 - Lecture Cranial nerves. (Prof. Kiss)	April 30 - Lecture Motor pathways. Autonomic nervous system. Review. (Dr. Katz)
12th week		May 6 - Practice Nervous system. Specimen demonstration. (Dr. Katz)
13th week	May 11 - Lecture Neuroendocrine system. (Prof. Kiss)	May 14 - Lecture Sensory organs I. (Dr. Katz)
14th week		May 20 Sensory organs II. Facultative pre exam. (Dr. Katz)

Human Anatomy A and B exams

The Anatomy A and B exams are held in person at the Anatomy Department, Huzella's Lecture Hall (2nd floor) during the exam period. The parts of the exams are listed below.

The A and B exams are oral exams with preparation time.

Parts of the Anatomy A CV exam: description of **one topic from the 'Upper limb, chest cavity and vertebral column. Histology'** and **one topic from the 'Lower limb, abdominal muscles and skull'**. The average of the two parts gives the final grade. If you fail one part of the exam, the entire exam will be failed and you have to retake it completely.

Parts of the Anatomy B exam: description of **one topic from the ‘Internal organs’** and **one topic from the ‘Neuroanatomy’**. The average of the two parts gives the final grade. If you fail one part of the exam, the entire exam will be failed and you have to retake it completely.

RULES AND REGULATIONS OF THE ANATOMY EXAMS

- Every student has to identify herself/himself by providing a photographic card (ID card, passport, student card or driving license).
- DO NOT talk to, signal to or disturb other students during the exam.
- During the exam, it is strictly forbidden to talk or disturb other students. All forms of communication among students is strictly forbidden.
- DO NOT leave the exam room for any reason without the permission of the teacher.

ADVICE AND INFORMATION

- Listen to the teacher and follow the instructions.
- If you are not sure about what to do, raise your hand to attract attention. The teacher will come to your assistance.
- YOU MUST NOT ASK FOR, AND WILL NOT BE GIVEN ANY EXPLANATION OF THE TOPICS.

WARNING

- MAKE SURE YOU ARE ON TIME. KNOW THE DATE, TIME AND PLACE (Huzella's Lecture Hall) OF YOUR TEST AND ARRIVE WELL BEFORE THE SCHEDULED START TIME. IF YOU ARRIVE LATE, YOU WILL NOT BE ALLOWED TO TAKE THE EXAM.
- YOU MUST NOT BECOME INVOLVED IN ANY UNFAIR OR DISHONEST PRACTICE IN ANY PART OF THE EXAMINATION.
- YOU MUST NOT SIT FOR AN EXAMINATION IN THE NAME OF ANOTHER STUDENT.
- YOU MUST NOT HAVE IN YOUR POSSESSION ANY UNAUTHORISED MATERIAL OR EQUIPMENT WHICH MIGHT GIVE YOU AN UNFAIR ADVANTAGE.
- DO NOT KEEP *your mobile phone, smart watch, written/printed study aids, books or any unauthorised material next to you during the exam, even if you do not intend to use it.* Such actions are considered as violation of the Study and Examination Policy of the Semmelweis University and it will result in an immediate termination of the examination with a fail and may be followed by a legal procedure.

Topics of the Anatomy A

Upper limb, chest cavity and vertebral column. Histology

1. Planes, directions, way of orientation in human body. Epithelial tissue.
2. Humerus, radius and ulna. Muscles of the forearm.
3. Carpal bones, carpal tunnel and related muscles. Metacarpal bones and fingers.
4. Shoulder joint. Muscles acting on the shoulder joint.
5. Elbow. Muscles acting on the elbow joint.
6. Wrist joint. Muscles of the hand.
7. General osteology, bone tissue, bone development. Wrist joint.
8. Flexor muscles of the forearm.
9. General myology, muscle tissue, structure of tendons. Extensor muscles of the forearm.
10. Cartilaginous and bone tissue. Flexor muscles of the forearm.
11. Blood, blood vessels. Structures and types of the joints.
12. Blood supply of the upper limb. Extensor muscles of the forearm.
13. Innervation of the upper limb. Carpal tunnel.
14. Connective tissue. Triangular and quadrangular spaces of the upper limb.
15. Vertebral column and superficial back muscles.
16. Chest cavity, diaphragm. Respiratory movements and muscles.
17. Muscles of the back. Movements of the vertebral column.

Lower limb, abdominal muscles and skull

1. Bones of the lower limb. Hip joint.
2. Gluteal muscles, suprapiriform and infrapiriform hiatuses.
3. Abdominal muscles. Inguinal canal and subinguinal hiatus.
4. Hip: bones and joints.
5. Knee joint, muscles acting on the knee.
6. Tibia and fibula. Tarsal bones. Muscles of the leg.
7. Extensor and flexor muscles of the thigh.
8. Extensor and flexor muscles of the leg.
9. Structure of the foot, mechanism of walking. Muscles of the foot.
10. Pelvis, statics of the pelvis. Muscles of the pelvic region.
11. Ankle joint. Muscles of the foot.
12. Ankle joint. Blood supply of the lower limb.
13. Knee joint. Innervation of the lower limb.
14. Hernial canals, femoral trigone.
15. Structure of the skull: neurocranium.
16. Structure of the skull: viscerocranium.

17. Nasal cavity and orbit.
18. Bones of the skull and sutures. Pterygopalatine fossa.
19. Base of the skull.
20. Muscles of the head.

Topics of the Anatomy B

Internal organs

1. Oral cavity and teeth.
2. Oral cavity and tongue.
3. Salivary glands, pharynx.
4. Respiratory system, nasal cavity, larynx.
5. Respiratory system, trachea, lung.
6. Chest cavity, anterior mediastinum.
7. Posterior mediastinum.
8. Heart: gross anatomy of the heart.
9. Blood supply of the heart.
10. Digestive system: esophagus, stomach.
11. Digestive system: small intestine.
12. Digestive system: large intestine.
13. Liver and pancreas.
14. Urinary system: kidney.
15. Urinary system: ureter, urinary bladder and urethra (male and female urethra).
16. Male genital organs.
17. Female genital organs.

Neuroanatomy

1. Nervous tissue and synapses. Fasciculus gracilis and cuneatus.
2. Spinal cord.
3. Gross anatomy of the brain, meningeal layer, sinuses. Spinothalamic tracts.
4. Brain stem, diencephalon. Corticospinal tracts.
5. Cerebrum, cerebellum, basal ganglia. Spinocerebellar tracts.
6. Sensory pathways.
7. Motor pathways.
8. Cranial nerves: II. IV. VI. XI. XII.
9. Cranial nerves: VII. IX. X.
10. Neuroendocrine system: hypothalamus, hypophysis.

11. Neuroendocrine system: thyroid, parathyroid, adrenal gland, pancreas.
12. Eye and visual apparatus. Oculomotor nerve.
13. Ear and hearing.

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Course Director