

Program of Study : Dentistry
Course : ANATOMY
Abbreviation : NAN/ZAA11
Schedule : 60 hours of lectures
 45 hours of practical trainings
Course Distribution : 1st year, 1st term
Number of Credits : 0
Course Form : Lectures, practical trainings

Lectures :

Leading Teacher : RNDr. Miroslav Kutal, CSc.

Study : Continuous, Wednesday 16:00 – 17:30, Thursday 8:00–9:30 left lecture hall

	Date	Topic	Hours	Teacher
1	18. 9. 2024	Introduction to the study of anatomy, planes, directions, nomenclature.	2	Kutal
	19. 9.	General osteology and arthrology.	2	Kutal
2	25. 9.	General angiology and myology.	2	Kutal
	26. 9.	Introduction to the nervous system. The structure of spinal nerve.	2	Kutal
3	2. 10.	Cervical and brachial plexus.	2	Beislová
	3. 10.	The survey of the vessels of the upper and lower limb.	2	Kutal
4	9. 10.	Lumbar and sacral plexus.	2	Beislová
	10. 10.	Connections on the vertebral column and thorax.	2	Beislová
5	16. 10.	Neurocranium.	2	Beislová
	17. 10.	Splanchnocranium. Connections on the skull bones.	2	Beislová
6	23. 10.	Skull cavities and spaces.	2	Beislová
	25. 10.	Skull of a newborn. Skull as a whole.	2	Beislová
7	1. 11.	Muscles of the head and neck, thorax.	2	Kutal
	2. 11.	Muscles of the abdomen, back, pelvic floor.	2	Kutal
8	6. 11.	Heart I.	2	Beislová
	7. 11.	Heart II.	2	Beislová
9	13.11.	Alveolar ridges, teeth, attachment of teeth, occlusion.	2	Kikalová
	14.11.	Craniometry.	2	Kikalová
10	22. 11.	Aorta and carotid arteries.	2	Beislová
	23. 11.	SVC, IVC, portal vein, azygos vein.	2	Beislová
11	27. 11.	Digestive system I.	2	Kutal
	28. 11.	Digestive system II.	2	Kutal
12	4. 12.	Digestive system III.	2	Kutal
	5. 12.	Peritoneum.	2	Kutal
13	11. 12.	Respiratory I.	2	Beislová
	12. 12.	Respiratory system II.	2	Beislová

14	18. 12. 19. 12.	Endocrine system. General anat. of the lymphatic system, spleen, thymus.	2 2	Kutal Kutal
15	2. 1. 2025	Substitute lecture.	2	Beislová

Practical trainings :

Leading teacher: Kikalová

Study : Continuous, Tuesday, 9:00–11:15; 14:00–17:15

	Date	Subject	No. of Less.
1	17. 9. 2024	Application and exercising of the anatomical nomenclature. Axial skeleton.	3
2	24. 9.	Limb skeleton.	3
3	1. 10.	Special arthrology.	3
4	8. 10.	Special myology.	3
5	15. 10.	The spinal nerves and plexuses.	3
6	22. 10.	Neurocranium – demonstration.	3
7	29. 10.	Splanchnocranium – demonstration.	3
8	5. 11.	Cranial base – openings and topography.	3
9	12. 11.	Cranial fossae and cavities. Child skull – demonstration.	3
10	19. 11.	Description and recognising of the teeth. The dentition as the whole – demonstration.	3
11	26. 11.	Muscles of the head and neck.	3
12	3. 12.	Heart – demonstration.	3
13	10. 12.	Arteries and veins of trunk and limbs – demonstration.	3
14	17. 12.	Carotid arteries demonstration. Jugular veins microlecture, demonstration.	3
15	31. 01. 2025	National holiday	3

Completed by : Course Unit Credit

Requirements :

- ⇒ the 90 % participation in the exercises
- ⇒ knowledge according to the lectures and practices topics A–E
- ⇒ practical knowledge of the skull and heart

Fundamental literature:

1. Kahle,W., Leonhardt, H., Platzer,W.: Color atlas and textbook of human anatomy: Vol 1-3 (Locomotor system, Internal organs, Nervous system and sensory organs). Thiemes 1993, published in Germany.

Other literature:

2. Norton N.S. Netter's head and Neck Anatomy for Dentistry: Elsevier 2007
3. Rubin M.: Netter's Concise Neuroanatomy. Elsevier 2008
4. Feneis, H. - Dauber, W. (ed.). Pocket Atlas of Human Anatomy: Based on the International Nomenclature. George Thieme Verlag, 2000. ISBN: 3135112047.
5. Wolf-Heidegger's Atlas of Human Anatomy. Karger 1990, published in Switzerland.
6. Netter H. Frank : Anatomy atlas. Media USA Company, 1997.
7. Richard L. Drake, Wayne Vogl, Adam W. M. Mitchell: Gray's Anatomy for the students. Elsevier 2009.
8. www.bartleby.com, <http://ect.downstate.edu/courseware/>
9. Romanes G.J.: Cunningham's manual of practical anatomy. Vol 1 - 3. Oxford University Press. 1986.
10. Wolf-Heidegger's atlas of human anatomy. Karger. 1990.
11. Dubový P. Gross anatomy and structure of the human nervous system. Masaryk University Brno, 1999.