

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

**Lectures :**

**Leading Teacher** : RNDr. Miroslav Kutal, CSc.

**Study** : Continuous, Wednesday 16:00 – 17:30, LLH, Thursday 8:00–9:30  
 LLH

	Date	Topic	Hours	Teacher
1	21. 9. 2022	Introduction to the study of anatomy, planes, directions, nomenclature.	2	Holibka
	22. 9.	General osteology and arthrology.	2	Holibka
2	28. 9.	General angiology and myology. <b>On Moodle</b>	2	Kutal
	29. 9.	Introduction to the nervous system. The structure of spinal nerve.	2	Kutal
3	5. 10.	Cervical and brachial plexus.	2	Kutal
	6. 10.	The survey of the vessels of the upper and lower limb.	2	Kutal
4	12. 10.	Lumbar and sacral plexus.	2	Holibka
	13. 10.	Connections on the vertebral column and thorax.	2	Holibka
5	19. 10.	Neurocranium.	2	Beislová
	20. 10.	Splanchnocranium. Connections on the skull bones	2	Beislová
6	26. 10.	Skull cavities and spaces.	2	Beislová
	27. 10.	Skull of a newborn. Skull as a whole.	2	Beislová
7	2. 11.	Muscles of the head and neck, thorax.	2	Vinter
	3. 11.	Muscles of the abdomen, back, pelvic floor.	2	Vinter
8	7. 11.- 11.11.	Alveolar ridges, teeth, attachment of teeth, occlusion. Cranioimetry.	2 2	Juchelka Juchelka
	16. 11. 17. 11.	Heart I. Heart II. <b>On Moodle</b>	2 2	Juchelka Juchelka
10	23. 11.	Aorta and carotid arteries.	2	Beislová
	24. 11.	SVC, IVC, portal vein, azygos vein	2	Beislová
11	30. 11.	Digestive system I.	2	Kutal
	1. 12.	Digestive system II	2	Kutal
12	7. 12.	Digestive system III.	2	Kutal
	8. 12.	Peritoneum	2	Kutal
13	14. 12.	Respiratory I.	2	Kutal
	15. 12.	Respiratory system II.	2	Kutal

14	21. 12. – 22. 12.	Endocrine system General anat. of the lymphatic system, spleen, thymus	2 2	Kutal Holibka
15	4. 1. 5. 1.2023	Substitute lectures	2 2	Kutal Kutal

### Practical trainings :

**Leading teacher:** Jan Juchelka, MD.

**Study :** Continuous, Tuesday, 16:00 – 18:15

	Date	Subject	No. of Less.
1	22. 9. 2022	Application and exercising of the anatomical nomenclature. Axial skeleton.	3
2	27. 9.	Limb skeleton.	3
3	4. 10.	Special arthrology.	3
4	11 10.	Special myology.	3
5	18. 10.	The spinal nerves and plexuses.	3
6	25. 10.	Neurocranium – demonstration.	3
7	1. 11.	Splanchnocranium – demonstration.	3
8	8. 11	Cranial base – openings and topography.	3
9	15. 11.	Cranial fossae and cavities. Child skull – demonstration.	3
10	22. 11.	Description and recognising of the teeth. The dentition as the whole – demonstration.	3
11	29. 11.	Muscles of the head and neck.	3
12	6. 12.	Heart – demonstration.	3
13	13. 12.	Arteries and veins of trunk and limbs – demonstration.	3
14	20. 12.	Carotid arteries demonstration. Jugular veins microlecture, demonstration.	3
15	03. 01. 2023	Digestive system – demonstration.	3

**Completed by :** Course Unit Credit

**Requirements :**

- ⇒ the 90 % participation in the exercises
- ⇒ knowledge according to the lectures and practices topics
- ⇒ practical knowledge of the skull
- ⇒ passing continuous 3 MCQ tests at the level of 60% (6 points out of 10 points)

### 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.

2. <http://www.upol.cz/fakulty/lf/struktura/pracoviste/ustav-normalni-anatomie/general-anatomy-for-english-students/> - working sheets

**Other literature:**

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