

Program of Study : **General Medicine**
Course : **ANATOMY 1**
Abbreviation : **NAN/VAA13**
Schedule : **60 hours of lectures**
60 hours of practical trainings
Course Distribution : **the 1st year, 1st term**
Number of Credits : **0**
Course Form : **Lectures, practical trainings**

Lectures: Wednesday 16:00 –17:30, Thursday 8:00 –9:30, left lecture hall.

Teacher: RNDr. Miroslav Kutal, CSc., MUDr. Alžběta Beislová

	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	11. 11. - 15. 11.	Dissection training	30	
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 lectures.	2	Beislová

Practical trainings: study rooms of the Anatomy department

Leading teacher: MUDr. Alžběta Beislová

	Date	Topic	Hours
1	17. 9. – 19. 9. 2024	Application and exercising of the anatomical nomenclature. Axial skeleton.	4
2	24. 9. – 26. 9.	Skeleton of upper and lower limb.	4
3	1. 10. – 3. 10.	Joints of the upper limb and muscles of upper limb.	4
4	8. 10.–10. 10.	Blood supply, venous and lymphatic drainage of upper limb. Innervation of upper limb.	4
5	15. 10.–17. 10.	Joints and muscles of the lower limb.	4
6	22. 10.–24. 10.	Blood supply, venous and lymphatic drainage of lower limb. Innervation of lower limb.	4
7	29. 10.–31. 10.	Neurocranium. Demonstration.	4
8	5. 11.–7. 11.	Pre-dissection discussion. Splanchnocranium. Skull cavities and spaces. Demonstration.	4
9	11. 11.–15. 11.	Dissection training. Topography of anatomical structures of upper and lower limbs.	30
10	29. 11.–21. 11.	Post-dissection discussion. Muscles of the head, neck, trunk. Muscle groups of the back. Demonstration.	4
11	26. 11.–28.11	Heart. Aorta. Demonstration.	4
12	3. 12.–5. 12.	SVC, IVC, azygos vein, portal vein. Spleen - demonstration. Jugular veins – microlecture. Fetal circulation – microlecture.	4
13	10. 12.–12. 12.	Digestive system cranial, cervical, thoracic part – demonstration. Heart test.	4
14	17. 12.–19. 12.	Digestive system abdominal part, peritoneum, situs – demonstration.	4
15	2. 1. 2025	Substitute practicals.	4

Completed by : Unit Credit
Course

Requirements :

- ⇒ the 90% participation in the exercises
- ⇒ knowledge according to the lectures and practices topics
- ⇒ practical knowledge of the skull (A-E evaluation)
- ⇒ practical knowledge of the heart and vessels(A-E evaluation)
- ⇒ practical knowledge of the topographical anatomy (A-E evaluation)

Fundamental study materials:

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)*. Thieme 6th, 7th Edition.
2. Hansen, J.T. : *Netter's Clinical Anatomy with Online Access*, 4th Edition, Elsevier
Gosling, J., Harris, P., Humpherson, J., Whitmore I., Willan, P.: *Human Anatomy, Color Atlas and Textbook* , 6th Edition, Elsevier ISBN-13: 9780723438274
3. Anatomical atlas – for example:
 - Sobota: *Anatomy Textbook*: Edited by, Tobias M. Bockers and Jens Waschke, 2019, Elsevier, ISBN:9780702067600
 - Netter H. Frank : *Anatomy Atlas* Media USA Company, 1997.
 - McMinn, R. M. H. Abrahams, P.: *McMinn's Colour Atlas of Human Anatomy* 5th Edition. Elsevier Books, 2002. ISBN 0723432120.
 - Wolf-Heidegger's: *Atlas of Human Anatomy*, Karger 1990.
 - Friedrich Paulsen, Jens Waschke: *Sobotta, Atlas of Anatomy*. ISBN: 9780323077798. Vol 1-3 General Anatomy and Musculoskeletal System, Internal Organs, Head, Neck and Neuroanatomy. Elsevier, 16th Edition 2019

Additional study material:

Feneis, H. Dauber, W.: *Pocket Atlas of Human Anatomy*: Based on the International Nomenclature. George Thieme Verlag, 4- 6th 2007.

Hudák, R., Kachlík D.: *Memorix Anatomy*, Triton 1st Edition, ISBN: 978-80-7387-950-1

Hansen, J.T.: *Netter's Anatomy Coloring ,Book* 2nd Edition ISBN-13: 9780323187985.

Drake, Vogl, Mitchell: *Gray's Anatomy for Students*, 4th Edition ISBN: 978-0-323-39304-1

Williams P.L.: *Gray's Anatomy*, Churchill Livingstone Elsevier

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