



Course Regime

Course: Anatomy 1

Study Programme:
Medicine

Year of the Course: 1

Semester:
Winter and summer

Course type:
Compulsory

Number of ECTS credits: 14

Lecturer(s): Erika Cvetko, Marija Hribernik

Participating Organizational Units (Departments and Institutes):

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A. General part *(applies to compulsory and elective courses)*

1. Course objectives

The students learn about systemic, topographic and clinical applicative anatomy of the chest, abdomen and extremities.

The acquired knowledge about normal anatomy will allow the students to understand how human body functions, and be the basis for identifying pathological changes.

2. Comprehensive outline of the course organisation

The course comprises lectures, seminars and practical classes, scheduled through the fall and spring semesters.

In the fall semester: 1 hour of lectures, 2 hours of practical classes per week; In the spring semester: 1 hour of lectures, 1 hour of seminar, and 4 hours of practical classes per week.

Students must prepare for the practical classes, i.e. learn the theoretical basis of the relevant topics. They must wear a protective coat and protective gloves, and bring anatomic tweezers and relevant literature, as well as a scalpel to anatomical dissection classes.

Attendance at practical classes is mandatory. Absence due to illness may only be excused based on a doctor's note, and other unplanned absences based on suitable written note. Students may substitute for the missed practical class in the same week, upon prior agreement with the practical class instructor.

Student who missed practical class either for justified reasons or without excuse must defend the missed topic in agreement with practical class instructor. Student may defend the missed topic on the next practical class or obligatory not later than one week before the exam. If the student did not defend the missed topic till the end of the semester, he must address a request for the defense to the practical class instructor and inform the secretary's office of the Institute of Anatomy (anatomija.tajnistvo@mf.uni-lj.si) at the same time.

3. Description of on-going assessment of knowledge and skills

Before the practical class starts and during the class, the instructor shall test students' preparedness for the class (their theoretical knowledge on the relevant topic) through discussions. Attendance, preparedness for the class, and engagement during the class are preconditions for passing the practical class.

Students failing to meet the target shall not pass the class and will have to take the test as specified under item 2.

4. Required conditions for the final examination (Course Exam)

Students may only take the final course exam if they have successfully completed the practical classes.

5. Final assessment and examination of knowledge and skills (Course Exam)

The final course examination comprises a 60-minute written exam (maximum 6 essay type questions), and an oral exam that lasts for about 30 minutes in a videoconference or on the faculty premises. A passing grade for the written exam (at least 60%) is a precondition for taking the oral exam. Oral exam includes recognizing structures on anatomical schemes and images.

There will only be the oral exam in a videoconference for foreign students with justified reasons for not being able to return to Ljubljana in the spring exam period due to restrictions on the spread of COVID-19 disease.

6. Other provisions

These provisions are compliant with the Article 34 of the Rules on Examinations and Grading of Knowledge and Skills for Uniform Second Level Master's Programs Medicine and Dental Medicine. Students may only use a pen during the written exam.

Examination is based in the Catalogue of Exam Topics, and Clinical Pictures and Skills.
The list of course literature is listed below and published on the website of the Institute of Anatomy and in the e-classroom.

7. Fundamental study material and Supplement reading

Textbooks

Basic:

Kobe in sodelavci: Anatomija I, III, IV, skripta za študente medicine, Medicinska fakulteta, Ljubljana, 1988 (vse izdaje)

Širca A: Anatomija II, skripta za študente medicine, Medicinska fakulteta, Ljubljana, 1997

Additional:

Hribernik M: Navodila za anatomsko sekcijo. Medicinska fakulteta, Ljubljana

Moore KL: Clinically Oriented Anatomy. Williams and Wilkins, Baltimore

Gray's Anatomy, Churchill-Livingstone

Kahle, Leonhardt, Platzer: Taschenatlas der Anatomie, I. II. III. del. G. Thieme, Stuttgart

Križan Z: Kompendij anatomije človeka I-III, Školska knjiga, Zagreb

Krmpotič-Nemanić: Anatomija človeka, Medicinska naklada, Zagreb

Romanes GJ: Cunningham's Manual of Practical Anatomy, I-III

Snell RS: Clinical Anatomy for Medical Students. Little, Brown and Company, Boston

Atlases:

Bertolini-Leutert: Anatomski atlas I-III, Slovenska izdaja. DZS Ljubljana

Feneis H: Pocket Atlas of Human Anatomy

Gilroy AM et al.: Atlas of Anatomy. New York: Thieme

Gosling et al.: Human anatomy. Colour atlas and textbook. Student consult. Edinburgh: Elsevier

Kiss F, Szentágothai J: Atlas of Human Anatomy, Volumes 1-3, Springer Netherlands

Leonhardt H: Color Atlas and Textbook of Human Anatomy

McMinn RMH et al.: Barvni atlas anatomije človeka. Slovenska izdaja. EWO Ljubljana

Netter FH: Atlas anatomije človeka. Slovenska izdaja, Data Status, Beograd

Paulsen et al.: Sobotta Atlas of Human Anatomy, Volumes 1-3, Elsevier, Munchen

Toldt-Hochstetter: Anatomischer Atlas, Urban Schwarzenberg, Munchen-Berlin

Köpf-Maier, P: Wolf-Heidegger's Atlas of Human Anatomy. Karger, Basel

Schuenke M et al.: Thieme Atlas of Anatomy. Thieme, Stuttgart-New York

8. Exam topics, clinical presentations and skills

Exam topics

LECTURES	References
1. Orientation planes and directions	Kobe V in sod. Anatomija 1
2. General features of bones and joints	Kobe V in sod. Anatomija 1
3. Glenohumeral and radioulnar joints	Kobe V in sod. Anatomija 1
4. General features of muscles. Muscles of rotator cuff	Kobe V in sod. Anatomija 1
5. Spinal cord and spinal nerve	Širca A. Anatomija 2
6. General features of vascular system	Kobe V in sod. Anatomija 3
7. Brachial plexus	Kobe V in sod. Anatomija 2
8. Hand	Kobe V in sod. Anatomija 1, 3 Širca A. Anatomija 2
9. Knee joint	Kobe V in sod. Anatomija 1
10. Muscles of hip and knee joints	Kobe V in sod. Anatomija 1
11. Leg muscles	Kobe V in sod. Anatomija 1
12. Vessels of the lower limb	Kobe V in sod. Anatomija 3
13. Lumbosacral plexus	Širca A. Anatomija 2
14. Leg compartments	Kobe V in sod. Anatomija 1
15. Structure and functional anatomy of the vertebral column	Kobe V in sod. Anatomija 1
16. Mechanic of the respiration, pleural space	Kobe V in sod. Anatomija 4
17. Heart, pericardium	Kobe V in sod. Anatomija 3
18. Mediastinum	Kobe V in sod. Anatomija 4
19. Digestive, development of the peritoneum	Kobe V in sod. Anatomija 4
20. Liver, portal blood circulation, pancreas	Kobe V in sod. Anatomija 3
21. Urinary organs, ekstraperitoneal space	Širca A. Anatomija 2 Kobe V in sod. Anatomija 3, 4
22. Female reproductive organs	Kobe V in sod. Anatomija 4
23. Abdominal wall, inguinal canal	Kobe V in sod. Anatomija 1, 3, 4 Širca A. Anatomija 2
24. Situs of the abdominal organs, peritoneum	Kobe V in sod. Anatomija 4
25. Principles of internal organ innervation	Kobe V in sod. Anatomija 4 Širca A. Anatomija 2
26. Vessels and lymphatic system of the abdominal and pelvic organs	Kobe V in sod. Anatomija 3

PRACTICAL CLASSES	References
1. Bones of the shoulder girdle and upper extremity	Kobe V in sod. Anatomija 1
2. Joints of the shoulder girdle and upper extremity	Kobe V in sod. Anatomija 1
3. Muscles of shoulder girdle and arm, cross-sections	Kobe V in sod. Anatomija 1
4. Muscles of the forearm, cross-sections	Kobe V in sod. Anatomija 1
5. Vessels of the upper limb, cross-sections	Kobe V in sod. Anatomija 3

6. Nerves of the upper limb, cross-sections	Širca A. Anatomija 2
7. Bones of the pelvis and lower limb	Kobe V in sod. Anatomija 1
8. Joints of the pelvis and lower limb	Kobe V in sod. Anatomija 1
9. Muscles of the pelvis and thigh, cross-sections	Kobe V in sod. Anatomija 1
10. Muscles of the leg and foot, cross-sections	Kobe V in sod. Anatomija 1
11. Vessels of the lower limb, cross-sections	Kobe V in sod. Anatomija 3
12. Nerves of the lower limb, cross-sections	Širca A. Anatomija 2
SEMINARS AND PRACTICAL CLASSES	
13. Bones of the back and thoracic cavity	Kobe V in sod. Anatomija 1
14. Joints of the back and thoracic cavity	Kobe V in sod. Anatomija 1
15. Muscles of the back and thoracic cavity	Kobe V in sod. Anatomija 1
16. Trachea, lung, pleura	Kobe V in sod. Anatomija 4
17. Heart: external appearance, chambers	Kobe V in sod. Anatomija 3
18. Heart: structure, vessels, pericardium	Kobe V in sod. Anatomija 3
19. Mediastinal organs	Kobe V in sod. Anatomija 3
20. Pelvis, abdominal wall and muscles	Kobe V in sod. Anatomija 1
21. Stomach, intestine, situs	Kobe V in sod. Anatomija 4
22. Pancreas, liver, spleen, situs	Kobe V in sod. Anatomija 4
23. Development of the abdominal organs and peritoneum	Kobe V in sod. Anatomija 4
24. Vessels of the abdominal wall and digestive organs	Kobe V in sod. Anatomija 3
25. Retroperitoneal space, urogenital organs	Kobe V in sod. Anatomija 4
26. Male reproductive organs	Kobe V in sod. Anatomija 4
27. Female reproductive organs	Kobe V in sod. Anatomija 4
28. Pelvic floor and pelvic vessels	Kobe V in sod. Anatomija 1, 3, 4
29. Situs of the abdominal organs, sections	Kobe V in sod. Anatomija 4

9. Other information