Komisija za študijske zadeve
UL Medicinske fakultete

Univerza *v Ljubljani*
Medicinska fakulteta

Vrazov trg 2
SI-1000 Ljubljana
E: ksz@mf.uni-lj.si
T: +386 1 543 7700



Course Regime

Course: Anatomy 1

Study Programme:
Dental 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):

Date of Issue:
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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 organization

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 face mask, 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. Student who missed class more than 3 times must defend the missed topic in agreement with practical class instructor. Student may defend the missed topic not later than one week before the exam. Missed videoconference class or seminar can only be taken in the planned week of the videoconference class or seminar.

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 written exam (essay type questions), and an oral exam.
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 specimens or images.

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 V in sod. Anatomija 1, skripta za študente medicine, Medicinska fakulteta, Ljubljana, 1988 (vse izdaje)
Kobe V in sod. Anatomija 2, skripta za študente medicine. Živčevje in čutila. Medicinska fakulteta, 2019 ali 2020, 7. predelana in dopolnjena izdaja.
Kobe V in sod. Anatomija 3, skripta za študente medicine. Obtočila in žleze z notranjim izločanjem. Medicinska fakulteta, 2019 ali 2020, 5. predelana in dopolnjena izdaja.
Kobe V in sod. Anatomija 4, skripta za študente medicine. Notranji organi in koža. Medicinska fakulteta, 2019 ali 2020, 7. izdaja.

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 čovjeka I-III, Školska knjiga, Zagreb
Krmpotič-Nemanić: Anatomija čovjeka, 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. Orienation 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	
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. Muslces 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. Pancres, 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, uropoetic 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