



Course: Anatomy

Course coordinator: Full Professor Romana Jerković MD, PhD

Department: Department of Anatomy

Study program: Integrated Undergraduate and Graduate University Study of Medicine in English language

Year: 1st year

Academic year: 2020/2021

SYLLABUS

Course information (brief course description, general guidelines)

Anatomy is a first-year compulsory course of the Integrated Undergraduate and Graduate University Study of Medicine in English. The course lasts for two semesters (30 weeks) and is worth 22 ECTS credits.

The aim of the course is to learn about the morphological and structural organisation of the human body through topographic and systematic anatomy.

Course content:

Basics of osteology, sindesmology and myology; basics of angiology; basics of neurology; bones, articulations and muscles of upper and lower limb; bones and articulations of head and trunk; topographical anatomy of head and neck regions: regio temporalis; regio parotideomasseterica et retromandibularis; external, medium and internal ear; regio palpebralis (orbita and ocular bulbus); regio faciei anterior (external nose, nasal cavity and paranasal sinuses); fossa infratemporalis et pterygopalatina; cavum oris et trigonum submandibulare; trigonum caroticum; spatium parapharyngeum; regio colli media; regio colli lateralis; regio pectoralis et fossa axillaris; topographical anatomy of upper limb (muscles, vessels, nerves and lymph vessels); topographical anatomy of thorax; topographical anatomy of abdomen and lesser pelvis: ventral abdominal wall and inguinal region, peritoneum and mesenteries, topographical anatomy of peritoneal cavity and extraperitoneal spaces; lesser pelvis; topographical anatomy of lower limb (muscles, vessels, nerves, lymph vessels); morphology of sensory organs; spinal cord; spinal nerves; brain; cranial nerves; brain vasculature and meninges.

Instruction

The course is composed of 56 lectures, 40 seminars and 145 practicals. A student is obliged to regularly attend all forms of instruction. Moreover, preparation for the course content, which is going to be discussed during seminars and practicals, is obligatory. Throughout the course 5 obligatory midterms will be conducted. **The midterms consist of an oral and practical examination. At the end of the course the final examination is oral.**

Assigned reading:

Friedrich Paulsen, Tobias M. Böckers, Jens Waschke: Sobotta Anatomy Textbook, 1st Edition
Atlas of Anatomy (Sobotta or Gilroy)

Optional / additional reading:

1. Richard L. Drake, A. Wayne Vogl, Adam W.M. Mitchell: Gray's Anatomy, third edition
2. Kieth L. Moore: Clinically Oriented Anatomy, seventh edition, 2013.

Course teaching plan:

List of lectures (with titles and description):

1st SEMESTER

L0 Introduction to anatomy

L1,2 Architecture of the human body. Anatomical Terms. Skeletal System. Joints

Learning outcomes:

Students will learn what regional and systemic anatomy is, students will explain what standard anatomical position is, anatomical planes and terms for location and orientation.

Students will be able to define two subgroups of the skeleton, enumerate the types and the functions of cartilage, describe bone function, differentiate two types of bone, classify bones by shape, and describe how bone is structured and the vascularization and innervation of bones. Students will explain the development of the bones. Students will define two categories of joints, synovial joints and solid joints, describe synovial joints based on shape and movement, divide solid joints and describe their representatives.

L3,4 Muscular System. Cardiovascular system.

Learning outcomes:

Students will differentiate types of muscle tissue, define the term skeletal muscle, describe the elements of the skeletal muscle and differentiate skeletal muscles based on shape. Students will define all anatomical structures and organs in the cardiovascular system.

L5,6 Angiology. Lymphatic System.

Learning outcomes:

Students will define all anatomical structures and organs in the cardiovascular system, describe the walls of the blood vessels and classifications of the blood vessels. Students will describe lymphatic vessels, lymph nodes, lymphatic trunks and ducts.

L7,8 Nervous System- part I (lower limb).

Learning outcomes:

Students will learn how the nervous system is separated into parts based on structure and function, will hear about the basic organization of the central and peripheral nervous system.

Students will learn about the organization of the somatic part of the nervous system, describe motor neurons and motor fibers, sensory neurons and sensory fibers, spinal nerve, somatic nerve plexuses and dermatomes.

Students will learn the basic elements of the visceral or autonomic part of the nervous system. Students will learn the plexus lumbalis and plexus sacralis, describe sensory and motor innervation of lower extremity.

L9,10 Bones and joints of upper extremity

Learning outcomes:

Students will learn all anatomical structures and terminology of bones and joints in upper extremity, describe the parts of the joints, how to divide joints by type and define the movements in joints.

L11,12 Nervous System- part II (upper extremity)

Learning outcomes:

Students will learn about the organization of the nervous system in upper extremity, plexus brachialis and its periphery nerves, describe sensory and motor innervation of upper extremity.

L13,14 Topography Regions of Upper and Lower extremity, Clinical Anatomy

Learning outcomes:

Students will learn to understand the regional organization of upper and lower extremity.

L15,16 Skull. Individual bones of the neurocranium.

Learning outcomes:

Students will learn to describe and recognize the bones of the neurocranium.

L17,18 Temporomandibular joint, chewing apparatus, bony elements of the fossa infratemporalis and fossa pterygopalatina.

Learning outcomes:

Students will learn to describe the temporomandibular joint and its mechanics. Students will learn to recognize and describe the bones of the fossa infratemporalis and fossa pterygopalatina.

L19,20 Structure of the nervous system – overview. Topography, morphology and distribution of grey and white matter. General description of the brain, terminology, brain axis.

Learning outcomes:

Student will learn to describe the overview of central nervous system, its morphology, nomenclature and the organisation of gray and white matter. Students will learn the terminology of the brain structures and brain axis.

L21,22 Telencephalon. Ventriculus lateralis. Subcortical nuclei.

Learning outcomes: Students will learn to describe the telencephalon, ventriculus lateralis, recognize and describe the subcortical nuclei. Students will learn to describe the division and organisation of gray and white matter of the telencephalon.

L23,24 Brainstem, outer morphology and internal structure, nuclei of cranial nerves.

Learning outcomes: Students will learn to describe the structures of the brainstem, the division and organization of gray and white matter of the brainstem. Students will learn the cranial nerve nuclei of the brainstem.

L25,26 Vertebral column, joints between vertebrae.

Learning outcomes:

Students will learn to describe and differentiate the vertebrae. Students will learn the joints between vertebrae and ligaments.

L27,28 Autonomic nervous system – overview. Sympathetic and parasympathetic nervous system.

Learning outcomes:

Students will learn division of the autonomic nervous system, general principles and function of the sympathetic and parasympathetic part of the autonomic nervous system.

2nd SEMESTER

L29,30 Overview of the head and neck regions.

Learning outcomes:

Students will learn the topography and content of head and neck region.

L31,32 Cranial Nerves: Functional Components, General Function

Learning outcomes:

Students will learn how to describe cranial nerves.

L33,34 Nose. Larynx.

Learning outcomes:

Students will learn about nose structure, its relation to adjacent areas, irrigation and innervation. Students will learn to describe the larynx, its relation to adjacent organs, irrigation and innervation.

L35,36 Neck overview, Surface anatomy of the neck, Muscles, fascia, regions.

Learning outcomes:

Students will learn the surface anatomy of neck, its groups of muscles, layers of neck fascia and its organization, the regions of the neck.

L37,38 Bulbus oculi.

Learning outcomes:

Students will learn to describe the walls of the eyeball, anterior and posterior chambers, the lens and vitreous body.

L39,40 Internal ear.

Learning outcomes:

Students will learn about structure of internal ear, bony and membranaceous parts.

L41,42 General Description of the Thorax. Lungs. Pleural Cavities. Pleura.

Learning outcomes:

Students will give an overview of the thoracic cavity, its walls, its compartments and the content; students will describe the lungs, pleura and pleural cavities.

L43,44 Mediastinum. Heart. Pericardium.

Learning outcomes:

Students will describe the mediastinum with its walls and content; students will describe the heart and pericardium.

L45,46 Abdomen: General Description, Surface Topography – Nine-region Pattern, Walls, Abdominal and Peritoneal Cavity, Relation to Other Regions.

Learning outcomes:

Students will define the abdominal and peritoneal cavity and use surface topography for orientation of abdominal viscera.

L47,48 Arrangement of Abdominal Viscera in the Adult, Abdominal Viscera Development.

Learning outcomes:

Students will learn about abdominal viscera development to understand the final arrangement of abdominal organs.

L49,50 Retroperitoneal Region: Posterior Abdominal Wall and Organs, Abdominal Aorta, Inferior Vena Cava, Lymphatic System.

Learning outcomes:

Students will describe the posterior abdominal wall, the definition of retroperitoneal space and its content.

L51,52 Pelvis: General Description, Pelvic Walls and Floor, Pelvic Cavity

Learning outcomes:

Students will learn the general overview of the pelvis, the pelvic walls, and the content of the pelvic cavity and the general topography of the pelvic organs.

L53,54 Internal Genital Organs – In Men and in Women.

Learning outcomes:

Students will learn how to describe male and female internal genital organs.

L55,56 Visceral Innervation of Abdomen – Sympathetic and Parasympathetic Parts of the Autonomic Division of the Peripheral Nervous System.

Learning outcomes:

Students will describe sympathetic trunks, preganglionic and postganglionic sympathetic fibres and visceral afferent fibres, splanchnic nerves, abdominal prevertebral plexus, parasympathetic innervation and the enteric system.

List of seminars (with titles and description):

1st SEMESTER

S1 Osteology and joints (pg.18-29)

Learning outcomes:

Students will learn general concepts of bone and joint structure and function, name the parts of bones and they will be introduced to obligatory and accessory parts of the joints. Students will learn the specific types of bones and joints.

S2 Muscular System. Fascia. (pg.29-33)

Learning outcomes:

Students will learn the principles of muscular contraction and its function in relation to joints. Students will practice the usage of the terms of muscular function: eversion - inversion, flexion - extension, abduction – adduction.

S3 Blood Vessels. Lymphatics. (pg.33-41)

Learning outcomes:

Students will learn the general principles of the cardiovascular and lymphatic system. Students will describe the types of blood vessels. Students will describe lymph nodes, trunks and vessels.

S4 Nerves and plexuses (lower extremity) (pg.231-238)

Learning outcomes:

Students will differentiate parts of the nervous system based on the function and structure of the central nervous system and peripheral nervous system and they will understand the function of somatic and visceral nervous system parts.

Students will learn how nerve plexuses are formed. In addition, students will learn to name the nerve plexuses and peripheral nerves of the lower extremity as well as distinguish peripheral from segmental innervation.

S5 Nerves and Plexuses (upper extremity). (pg.174-184)

Learning outcomes:

Students will differentiate parts of the nervous system based on the function and structure of the central nervous system and peripheral nervous system and they will understand the function of somatic and visceral nervous system parts.

Students will learn how nerve plexuses are formed. In addition, students will learn to name the nerve plexuses and peripheral nerves of the upper extremity as well as distinguish peripheral from segmental innervation.

S6 Individual bones of neurocranium and viscerocranium (411, 418-421, 422-423), calvaria (413-414)

Learning outcomes:

Students will learn to describe and recognize the bones of the neurocranium and viscerocranium, as well as to describe the bones of the calvaria.

S7 Meninges – overview (603). Pachymeninx, leptomeninx, neurovascular pathways of the meninges (604-606). Venous sinuses of the brain and veins of the brain (628-630).

Learning outcomes:

Students will learn to describe the meninges. Students will describe the venous sinuses of the brain and veins of the brain.

S8 Ventricular system, cerebrospinal fluid, circumventricular organ.

Learning outcomes:

Students will learn to describe the ventricular system of the brain, circulation of the cerebrospinal fluid.

S9 Cranial nerves – overview (pg.679-681) and cranial nerve nuclei (pg 686, 687, 692-694, 695, 698, 700, 702-703, 707, 708-710).

Learning outcomes:

Students will learn to name the 12 cranial nerves, cranial nerve nuclei, and point out the exit points of the 12 cranial nerves.

S10 Spinal nerves, meninges and irrigation of spinal cord

Learning outcomes:

Students will learn to describe the spinal nerves. Students will learn to recognize the blood vessels of the brain.

2nd SEMESTER

S11 Cranial nerves, N. trigeminus (pg.447-449, 450), N. facialis (pg.449-453)

Learning outcomes:

Students will be able to identify 12 pairs of cranial nerves, learn the cranial nerves V and VII functional components, describe afferent and efferent fibres, the exit from the skull and the function.

S12 Cranial nerves : N. glossopharyngeus (pg.454-455), N. vagus (pg.455-457), N. hypoglossus (pg.457-458), N. accesorius (pg.457)

Learning outcomes:

Students will learn the cranial nerves IX, X, XI and XII functional components; describe afferent and efferent fibres, the exit from the skull and the function.

S13 Larynx, Overviev (pg.563), Laryngeal skeleton (cartilage, ligaments, joints) (pg.564-567)

Learning outcomes:

Students will identify and describe the larynx, know the composition of the larynx, describe laryngeal cartilages, ligaments and joints, know the cavity of the larynx and its divisions, know the origin, insertion, innervation and function of the intrinsic muscles of the larynx, understand the function of the larynx during respiration, phonation, effort closure and swallowing, know the irrigation, lymphatic drainage and innervation of the larynx.

S14 Eye (pg.459, 461- 472), N. opticus (pg.445), N. oculomotorius (pg.445-446), N. trochlearis (pg.446), N. abducens (pg.449)

Learning outcomes:

Students will learn to describe the bony orbit and its walls, the structure of the eyelids, describe the innervation and irrigation of the eyelids, the parts, innervation and blood supply of the lacrimal apparatus, identify the openings and communication of the orbit, describe the periorbit and fascial sheath of the eyeball, learn the origin, insertion, innervation and function of extrinsic muscles of the eyeball, identify and describe vessels and nerves of the orbit, learn the shape and parts of the eyeball, describe chambers, the lens, vitreous humor walls and vessels of the eyeball.

S15 Ear 477, External ear (pg.478-481), Middle (pg.481-488), N. vestibulocochlearis (pg.453)

Learning outcomes:

Students will identify the ear as an organ of hearing and balance, distinguish three parts of the ear, describe parts of the external ear, the irrigation, lymphatic drainage and innervation of the external ear, describe parts of the middle ear, boundaries of the middle ear, identify and describe auditory ossicles and muscles associated with the ossicles, the irrigation, lymphatic drainage and innervation of the middle ear, describe parts of the internal ear, the bony and membranous labyrinth, define organs of balance and the organ of hearing, know the irrigation, lymphatic drainage and innervation of the internal ear.

S16 Thoracic Wall (pg.77-86) Back musculature- the deep and superficial groups of back muscles (pg. 105-112)

Learning outcomes:

Students will describe the musculoskeletal wall of the thoracic cavity, arterial supply, venous and lymphatic drainage of the thoracic wall. In addition, students will learn about the pleural cavity, visceral pleura, parietal pleura and recesses between visceral and parietal pleura.

S17 Conduction system and innervation of the heart, coronary blood vessels, veins and lymphatic of the heart (pg.269-274)

Learning outcomes:

Students will describe coronary vasculature, cardiac veins and coronary lymphatics as well as recognize and show the right coronary artery, left coronary artery and coronary sinus. Students will also learn about the cardiac plexus, the margins of the heart and heart sounds.

S18 Abdominal Walls, Peritoneal Cavity, Boundaries and Content.

Learning outcomes:

Students will describe the abdominal wall and peritoneal cavity, name and describe the location of abdominal organs and their surface anatomy.

S19 Development of abdominal viscera. Serous membranes.

Learning outcomes:

Students will learn development of the abdominal viscera. Students will learn to describe the serous membrane and its main parts.

S20 Vessels and nerves of the pelvic cavity (pg.394-401)

Learning outcomes:

Students will describe and name vessels and nerves of the pelvic cavity

List of practicals with description:

Practicals will be held at the Department of Anatomy. **Students should study the theory before coming to practicals.** It is obligatory to wear a lab coat and to bring tweezers and a probe to practicals.

1st SEMESTER

P1 Bones: Pelvis. Thigh bone. Tibia and fibula. Patella. Foot (pg.198-200, 202-203, 209-210, 218-220)

Learning outcomes:

Students will learn how to orientate and describe bones, describe specific parts of bones and show each bone structure, describe the talus and calcaneus, describe the main characteristics of metatarsal bones and phalanges and show each bone structure.

P2 Pelvic joints. Hip joint. Knee joint. Ankle joint. Joints of the foot. The arch of the foot. (pg.210-202, 203-205, 211-215, 220-225)

Learning outcomes:

Students will describe the joint, its movement and function, describe articular surfaces, the joint capsule (synovial and fibrous membrane) and joint accessories. Show each joint structure.

P3 Muscles of the gluteal region. Muscles of the thigh. Review of pelvic joints and hip joint. (pg.205-209)

Learning outcomes:

Students will describe the origin, attachment and function of muscles. Note which joints the muscles cross and describe movements in these joints.

P4 Muscles of the leg. Muscles of the foot. Review of knee and ankle joint. (pg.216-218, 225-231)

Learning outcomes:

Students will describe the origin, attachment and function of muscles. Note which joints the muscles cross and describe movements in these joints.

P5 Arteries of lower extremity. Lymph vessels of the lower extremity (pg.239-246),

Learning outcomes:

Students will define the origin of each blood vessel, its path, branches, topography and irrigation area.

P6 Nerves of the lower extremity (pg.231-238)

Learning outcomes:

Students will define nerve origin, its path, branches, topography and innervation area.

P7 Topographically important aspects of lower extremity. Review of lower extremity (pg.246-249)

Learning outcomes:

Students will describe the fascia of the lower limb and the saphenous opening. Students will describe structures in the femoral triangle and the popliteal fossa. Students will describe the main points of surface anatomy of the lower limb.

P8 Bones of the shoulder girdle. Humerus. Bones of the forearm. Bones of hand. (pg.145-146, 150, 156, 159-160)

Learning outcomes:

Students will orientate and describe bones, describe specific parts of bones and show each bone structure.

P9 Joints and ligaments of the shoulder girdle, shoulder joint, Elbow joint. Joints of hand. (pg.146-148, 150-152, 156-157, 160-164)

Learning outcomes:

Students will describe the joint, its movement and function; describe articular surfaces, the joint capsule (synovial and fibrous membrane) and joint accessories. Show each joint structure.

P10 Shoulder girdle muscles, shoulder muscles. Review of shoulder joint and shoulder girdle joints. (pg. 148-149, 152-155, 157-159)

Learning outcomes:

Students will describe the origin, attachment and function of muscles. Note which joints the muscles cross and describe movements in these joints.

P11 Muscles of the forearm and hand. Auxilliary structure of muscles (pg.164-169, 170-173)

Learning outcomes:

Students will describe the origin, attachment and function of muscles. Note which joints the muscles cross and describe movements in these joints.

P12 Nerves of the upper extremity. (pg.174-184)

Learning outcomes:

Students will define the origin of each blood vessel, its path, branches, topography and irrigation area.

P13 Arteries of upper extremity. Lymph vessels of upper extremity.(pg.184-191)

Learning outcomes:

Students will define nerve origin, its path, branches, topography and innervation area.

P14 Topographically important aspects of upper extremity. Review of upper extremity. (pg.192-194)

Learning outcomes:

Students will describe lymphatics of the upper limb and their drainage point. Students will describe structures in the cubital fossa. Students will describe the main points of surface anatomy of the upper limb.

P15 Base of the skull – inner surface (414-416).

Learning outcomes:

Students will learn the bones and structures of the inner surface of the base of the skull. Students will recognize three sections on the inner base of the skull. Students will name the major points of penetration, foramina, fissures, and impressions.

P16 Base of the skull – outer surface (416-418)

Learning outcomes:

Students will learn to describe the bones and structures of the outer surface of the base of the skull. Students will recognize three sections on the outer base of the skull. Students will name the major points of penetration, foramina, fissures, and impressions.

P17 Bony elements of the fossa infratemporalis (439) and fossa pterygopalatina (441).

Learning outcomes:

Students will learn to describe the bony structures of the infratemporal, and pterygopalatine fossa. Students will name the major points of penetration, foramina, fissures, and impressions.

P18 Orbita (421 – 422), bony elements of the nasal cavity (495-498) and oral cavity (504).

Learning outcomes:

Students will learn to describe the bony structures of the orbital, nasal and oral cavities. Students will name the major points of penetration, foramina, fissures, and impressions.

P19 General description of the brain, terminology, dura mater.

Learning outcomes:

Students will learn the division and terminology of the brain. Students will learn to describe the dura mater encephali.

P20 Arteria carotis interna and its branches (617-619). Aa. Vertebrales/ a. basilaris and their branches (619-622). Topography and supply areas of the arteries (624-628).

Learning outcomes:

Student will show and name arteries of the circle of Willis and will learn the veins of the brain.

P21 Telencephalon – hemispherium: description of the lobes, sulci and gyrii.

Learning outcomes:

Students will learn the division of telencephalon on hemispheres and subdivision on lobes and will name and show gyri and sulci which belong to distinct lobes. Students will learn about the structures of the basal ganglia (putamen, globus pallidus, caudate nucleus, claustrum) and will learn to name and show these structures on horizontal, frontal and median-sagittal sections through the telencephalon

P22 Diencephalon (pg. 597-598) - overview , position and external shape (pg. 656-657). Epithalamus (pg.657-658). Thalamus – overview (pg. 658-659). Hypothalamus – overview and classification (660-661). Subthalamus (pg.664). Pituitary gland (pg.663-664). Ventriculus tertius (pg. 608-609).

Learning outcomes:

Students will recognize and show the external structure of the distinct parts of diencephalon as well as name some of the nuclei of the distinct parts of diencephalon.

P23 Truncus encephali (598- 599). Position and external appearance of medulla oblongata(671), pons (668), mesencephalon (666). Blood supply to the brainstem (673) and cerebellum (678-679).

Learning outcomes:

Students will recognize and show the external structure of the distinct parts of truncus encephali as well as name of the blood vessels of the truncus encephali and cerebellum. Students will study the horizontal sections of the medulla oblongata, pons and midbrain, and will be able to recognize and show specific structures, such as olive, transverse pontine fibers, substantia nigra, nucleus ruber, ect.

P24 Position, external appearance of cerebellum (674-676) and blood supply (678-679), ventriculus quartus (608-609).

Learning outcomes:

Students will describe and show the external structure of the cerebellum as well as name of the blood vessels of the cerebellum. Students will learn the subdivision of the cerebellum on lobes and describe the external morphology of cerebellum as well as name and show the structures of the frontal and sagittal sections of cerebellum (cerebellar nuclei, cerebellar peduncles, ect.). Students will learn describe the ventriculus quartus.

P25 Vertebrae (121-124), typical vertebra (115-117), cervical vertebrae (124), atlas, axis (121,122) thoracic vertebra (125), lumbal vertebra, sacrum, os coccygis, (126-127).

Learning outcomes:

Students will learn how to orient and describe the vertebrae (cervical, thoracic and lumbar) and to distinguish typical from atypical vertebrae. Students will also describe the sacrum and coccyx.

P26 Spinal cord.

Learning outcomes:

Students will recognize and show the external structure of the spinal cord. Students will study the horizontal sections of the spinal cord.

2nd SEMESTER

P27 Overview (pg.424-425), Scalp (pg.425-428), Face and facial soft tissue (pg.428-436)

Learning outcomes:

Students will learn the arrangement of functional groups of the muscles of the face, learn the muscles associated to each of the groups of the muscles, learn the origin, insertion, innervation and function of every individual muscle, learn to describe the parotid gland and its important relationships. Along with this students will describe the sensory and motor innervation of the structures of the face, learn the arteries, veins and blood supply of the face structures.

P28 Superficial lateral facial region (pg.436-439), Deep lateral facial region (pg.439-443)

Learning outcomes:

Students will learn the boundaries of the temporal and infratemporal fossae, learn to describe the bony framework of the temporal and infratemporal fossae. Students will learn the skeletal framework of the pterygopalatine fossa, identify the content, openings and communication of the pterygopalatine fossa, and describe nerves and vessels of the pterygopalatine fossa. The vessels of the infratemporal fossae and the branching of the maxillary artery will be studied.

P29 Masticatory apparatus: teeth (pg.506-512), masticatory muscles (pg.512-514), temporomandibular joint (pg.514-516)

Learning outcomes:

Students will learn and describe temporomandibular joint, teeth, movements of the mandible, learn the origin, insertion, innervation and function of the masseter muscle and the pterygoid muscles.

P30 Oral cavity (pg.503-505), Tongue (pg. 516-520), Palate (pg.520-523), Floor of the mouth (pg.524-526), Lymphatics (pg.526), Salivary glands (pg.526-530)

Learning outcomes:

Students will learn the borders of the oral cavity, learn to identify subdivisions of the oral cavity, describe innervation of the oral cavity, the skeletal framework of the oral cavity, the walls, floor and communication of the oral cavity, identify and describe the tongue.

P31 Nose overview (pg.492), External nose (pg.493-494), Nasal cavities (pg.495-499), Paranasal sinuses (pg.499-500) Vascular, lymphatic and nervous system (pg.500-502), N. olfactorius (pg.444)

Learning outcomes:

Students will identify and describe the nasal cavities, the lateral wall of the nasal cavities, identify regions of the nasal cavities, learn the skeletal framework, walls, floor and roof of the nasal cavities, learn to identify and describe the external nose, identify and describe paranasal sinuses, describe nares, choanae and gateways of the nasal cavities, learn the irrigation, lymphatic drainage and innervation of the nasal cavities and paranasal sinuses.

P32 Pharynx (pg.575-579)

Learning outcomes:

Students will identify and describe the pharynx, the skeletal framework, pharyngeal wall, pharyngeal fascia and gaps in the pharyngeal wall, the nasopharynx, oropharynx, laryngopharynx and tonsils, learn the irrigation, lymphatic drainage and innervation of the pharynx.

P33 Larynx (pg.567-574), Thyroid and parathyroid glands (pg.559-562)

Learning outcomes:

Students will identify and describe the larynx, learn the composition of the larynx, describe laryngeal cartilages, ligaments and joints, learn the cavity of the larynx and its divisions, the origin, insertion, innervation and function of the intrinsic muscles of the larynx, understand the function of the larynx during respiration, phonation, effort closure and swallowing, the irrigation, lymphatic drainage and innervation of the larynx. Students will identify and describe thyroid and parathyroid glands.

P34 Surface anatomy of the neck (pg.533-534), Regions of the neck and neck triangles (pg.534) , Musculoskeletal system of the neck (pg.534-541), Cervical fascia and connective tissue spaces (pg.541-545)

Learning outcomes:

Students will learn the fascia of the neck, the borders of the anterior triangle of the neck, identify subdivisions and contents of the anterior triangle of the neck, the origin, insertion, innervation and function of suprahyoid and infrahyoid muscles, describe nerves and vessels of the anterior triangle of the neck, the viscera of the anterior triangle of the neck. Students will learn the borders of the posterior triangle of the neck, identify contents of the posterior triangle of the neck, learn the origin, insertion, innervation and function of muscles associated with the posterior triangle of the neck, describe nerves and vessels of the posterior triangle of the neck.

P35 Arteries of the neck (pg.545-548), Veins of the neck (pg.548-550)

Learning outcomes:

Students will learn arteries and veins of the different neck regions.

P36 Nerves of the neck (pg.550-557), Lymph nodes of the neck (pg.557-559)

Learning outcomes:

Students will learn nerves of the different neck regions. Students will describe the group of lymph nodes and drainage of the lymph into the main lymphatic ducts.

P37 Review of head and neck.

Learning outcomes:

Review of head and neck will be studied.

P38 Bony thorax and joints (pg. 132-137), diaphragm (pg.87-90). Back musculature- the deep and superficial groups of back muscles (pg. 105-112)

Learning outcomes:

Students will describe pectoral region and show boundaries and contents of this region. Students will study about the breast and the function of the muscles of the pectoral region as well as recognize these muscles and show their origin and attachments to bones. In addition, students will orient and describe the ribs, and the sternum. The movement and function of the intercostal joints will be studied as well as attachment and function of the diaphragm and muscles of the thoracic wall.

P39 Trachea and lungs (pg.274-282), Pleural cavities and breathing (pg. 289-290)

Learning outcomes:

Students will describe the lung and show structures entering the hilum of the lung. Also, students will distinguish the right from the left lung, and name pulmonary lobes and bronchopulmonary segments. Topography of the lungs, branching of the bronchial tree, as well as, irrigation of lungs with the description of the pulmonary arteries and veins, bronchial arteries and veins and lymphatic drainage, will be studied.

P40 Heart (pg.255-268)

Learning outcomes:

Students will learn to describe the inner and outer surface of the heart, explain the wall layers of the heart and pericardial sac, describe the location, structure and function of the heart skeleton, explain the structure, function and projection of the heart valves.

P41 Oesophagus and thymus (pg.282-288); Mediastinum (pg.288; 294-298)

Learning outcomes:

Students will define the superior mediastinum and its contents, recognize, and show the pulmonary trunk and ascending aorta. In addition, students will describe the thymus, right and left brachiocephalic veins, the superior vena cava, the arch of aorta as well as know the topography and irrigation of those blood vessels. Moreover, students will learn about the vagus and phrenic nerves, their path, branches and innervation area. Posterior mediastinum and its contents will be learned which include esophagus, thoracic aorta, azygos system of veins, thoracic duct and sympathetic trunk.

P42 Anterolateral wall of the abdomen, arterial supply, venous drainage, lymphatics and innervation.
Inguinal canal and funiculus spermaticus. (pg.90-93, 95, 96-104)

Learning outcomes:

Students will learn and demonstrate the muscles, vessels and nerves of the abdominal wall. Students will also learn and demonstrate the position and content of the inguinal canal; describe the structures of funiculus spermaticus.

P43 Peritoneum. Abdominal organs: stomach, small and large intestine. (pg.340-343, 302-322)

Learning outcomes:

Students will describe and demonstrate the structure, morphology and topography of the stomach, the small and large intestine.

P44 Abdominal organs: liver, gallbladder, pancreas, spleen. (pg.322-340)

Learning outcomes:

Students will describe and demonstrate the structure, morphology and topography of the liver, gallbladder, pancreas and spleen.

P45 Vessels and nerves of the peritoneal cavity. (pg.343-348)

Learning outcomes:

Students will demonstrate the vessels and nerves of the peritoneal cavity.

P46 Posterior abdominal region: walls. Kidney, Ureter, Suprarenal Glands. (pg.93-98,352-361)

Learning outcomes:

Students will demonstrate the muscles, vessels and nerves of the posterior abdominal wall. Description and demonstration of the position and branches of the abdominal aorta will be studied as well the structure, morphology, topography of kidney, ureter and suprarenal glands.

P47 Posterior abdominal region: blood vessels, lymphatics and nerves (pg.392, 394, 398, 399, 400, 401)

Learning outcomes:

Students will describe and demonstrate the aorta abdominalis, vena cava inferior, vena portae, ductus

thoracicus, plexus lumbalis and plexus aorticus abdominalis in the posterior abdominal region.

P48 Pelvic floor and pelvic organs: rectum, bladder, urethra. (pg.401,362,371)

Learning outcomes:

Students will describe the structure, morphology and topography of the rectum, bladder and urethra.

P49 Male internal genital organs. Male external genital organs, blood vessels, lymphatic and nerves. (pg.371-383)

Learning outcomes:

Students will demonstrate, name and describe the structure, parts and syntopy of male internal genital organs. Students will also name and describe the structure, parts and topography of male internal genital organs.

P50 Female internal genital organs. Female external genital organs, blood vessels, lymphatic and nerves (pg.)

Learning outcomes:

Students will demonstrate, name and describe the structure, parts and syntopy of female internal genital organs.

P51 Perineal region. Review thorax, abdomen, and pelvis. (pg.402-406)

Learning outcomes:

Students will name and describe the structure, parts and topography of female internal genital organs.

Final exam

ECTS Grading System:

ECTS Grading System: Student grading will be conducted according to the current Ordinance on Studies of the University of Rijeka (approved by the Senate) and the Ordinance on Student Grading at the Faculty of Medicine in Rijeka (approved by the Faculty Council).

Student work will be assessed and graded during the course and at the final exam. During the course, a student may achieve up to 50% of the grade, while at the final exam up to 50% of the grad, meaning, from the maximum 100 points, during the class student can achieve 50 points, and on the final exam 50 points.

Students are graded according to the ECTS credit (A-F) and numeric (1-5) system.

Students are obliged to attend all forms of teaching during the course and may be absent from 30% of the classes. If a student is absent for more than 30% of the classes, he will not receive a signature and will have to re-enter the course. Also, a student who gains less than 25 points must re-enter the course.

I. Assessment and grading in class

1. During the course, students are awarded credits by taking 5 midterm exams:

MIDTERM 1 (lower extremity) – 29.10.2020.

MIDTERM 2 (upper extremity) – 26.11.2020.

MIDTERM 3 (cranium, CNS) – 26.01. and 28.01.2021.

MIDTERM 4 (head and neck) – 13.04. and 15.04.2021.

MIDTERM 5 (thorax, abdomen and pelvis) – 08.06. and 10.06.2021.

2. A midterm consists of an oral and a practical examination. The practical part examines students' ability to deliver a hands-on exploration of human cadavers, and it is graded with a (+) or (-). The oral part assesses students' theoretical knowledge. If a student passes both the oral and practical part of a midterm, he will gain a number of credits that corresponds to the awarded grade. If a student passes the practical part, but not the oral part, he will then receive a (+) for the practical part of the midterm. In that case, the student has to pass only the theoretical part of the makeup midterm exam. The midterms are graded as follows:

LOWER EXTREMITY	
Grade	Points
Excellent (5)	8
Very good (4)	7
Good (3)	5
Sufficient (2)	4
Insufficient (1)	0

UPPER EXTREMITY	
Grade	Points
Excellent (5)	8
Very good (4)	7
Good (3)	5
Sufficient (2)	4
Insufficient (1)	0

CRANIUM, CNS	
Grade	Points
Excellent (5)	10
Very good (4)	8
Good (3)	7
Sufficient (2)	5
Insufficient (1)	0

HEAD AND NECK	
Grade	Points
Excellent (5)	12
Very good (4)	10
Good (3)	8
Sufficient (2)	6
Insufficient (1)	0

THORAX, ABDOMEN AND PELVIS	
Grade	Points
Excellent (5)	12
Very good (4)	10
Good (3)	8
Sufficient (2)	6

Insufficient (1)	0
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In this way, student collects the points and after completing the course, student can collect up to 50 points. Any midterm that student didn't pass successfully (either graded insufficient or not satisfied with the grade gained) **can be re-taken ONE time in ANY of these dates:**

10.02.2021., 24.02.2021., 24.06.2021., 29.06.2021., and 09.07.2021.

II. Requirements for the final exam:

1. To attend classes in accordance with the Ordinance on Studies of the University of Rijeka.
2. To pass practical parts of all the 5 midterms.
3. To gain at least 25 out of 50 points.

III. Grading at the final exam:

The final exam is an oral exam and it is graded as follows:

Grade	Points
Excellent (5)	50
Very good (4)	40
Good (3)	30
Sufficient (2)	25
Insufficient (1)	0

The final grade consists of the sum of points gained during the course and at the final oral exam. Grading within the ECTS grading system is carried out with an absolute distribution, i.e. based on the final achievement:

- A – 90 - 100% EXCELLENT (5)
- B – 75 - 89,9% VERY GOOD (4)
- C – 60 – 74,9% GOOD (3)
- D -- 50 - 59,9% SUFFICIENT (2)

Final exam dates	
1.	16.06.2021.
2.	30.06.2021.
3.	14.07.2021.
4.	09.09.2021.
5.	23.09.2021.

Other information:

Course content and all the notifications regarding the course, including exam dates, can be found on the official web site - <http://www.medri.uniri.hr> , <http://medical-studies-in-english.com/>

COURSE SCHEDULE (for academic year 2020/2021)

1. SEMESTER

Date	Lectures (time and place) – Lecture room 8	Seminars (time and place) – Lecture room 8	Practicals (time and place) – Department of Anatomy	Instructor
05/10/2020	L1 (12:15-13:00)			Romana Jerković, Full Professor
05/10/2020	L2 (13:15-14:00)			Romana Jerković, Full Professor
05/10/2020		S1 (14:15-16:00)		Juraj Arbanas, Associate Professor
05/10/2020		S1 (14:15-16:00)		Hrvoje Omrčen MD
06/10/2020			P1 G1 (08:15-10:30)	Ana Jerbić Radetić MD
			P1 G2 (08:15-10:30)	Hrvoje Omrčen MD
			P1 G3 (10:45-13:00)	Ana Jerbić Radetić MD
			P1 G4, G5 (10:45-13:00)	Juraj Arbanas, Associate Professor Hrvoje Omrčen MD
08/10/2020			P2 G1 (08:15-10:30)	Hrvoje Omrčen MD
			P2 G2 (08:15-10:30)	Ana Jerbić Radetić MD
			P2 G3(10:45-13:00)	Hrvoje Omrčen MD
			P2 G4, G5 (10:45-13:00)	Juraj Arbanas, Associate Professor Ana Jerbić Radetić MD
12/10/2020	L 3 (12:15-13:00)			Romana Jerković, Full Professor
12/10/2020	L 4 (13:15-14:00)			Romana Jerković, Full Professor
12/10/2020		S2 (14:15-16:00)		Ana Jerbić Radetić MD
12/10/2020		S2 (14:15-16:00)		Hrvoje Omrčen MD
13/10/2020			P3 G1 (08:15-10:30)	Juraj Arbanas, Associate Professor
			P3 G2 (08:15-10:30)	Hrvoje Omrčen MD
			P3 G3 (10:45-13:00)	Juraj Arbanas, Associate Professor
			P3 G4, G5 (10:45-13:00)	Ana Jerbić Radetić MD Hrvoje Omrčen MD
15/10/2020			P4 G1 (08:15-10:30)	Ana Jerbić Radetić MD
			P4 G2 (08:15-10:30)	Juraj Arbanas, Associate Professor
			P4 G3 (10:45-13:00)	Ana Jerbić Radetić MD
			P4 G4, G5 (10:45-13:00)	Hrvoje Omrčen MD Juraj Arbanas, Associate Professor
19/10/2020	L 5 (12:15-13:00)			Romana Jerković, Full Professor
19/10/2020	L 6 (13:15-14:00)			Romana Jerković, Full Professor
19/10/2020		S3 G1(14:15-16:00)		Ana Jerbić Radetić MD
19/10/2020		S3 G2 (14:15-16:00)		Juraj Arbanas, Associate Professor
20/10/2020			P5 G1 (08:15-10:30)	Hrvoje Omrčen MD

			P5 G2 (08:15-10:30)	Ana Jerbić Radetić MD
			P5 G3 (10:45-13:00)	Hrvoje Omrčen MD
			P5 G4, G5 (10:45-13:00)	Juraj Arbanas, Associate Professor Ana Jerbić Radetić MD
22/10/2020			P6 G1 (08:15-10:30)	Juraj Arbanas, Associate Professor
			P6 G2 (08:15-10:30)	Hrvoje Omrčen MD
			P6 G3 (10:45-13:00)	Juraj Arbanas, Associate Professor
			P6 G4, G5 (10:45-13:00)	Ana Jerbić Radetić MD Hrvoje Omrčen MD
26/10/2020	L 7 (12:15-13:00)			Romana Jerković, Full Professor
26/10/2020	L 8 (13:15-14:00)			Romana Jerković, Full Professor
26/10/2020		S4 G1 (14:15-16:00)		Juraj Arbanas, Associate Professor
26/10/2020		S4 G2 (14:15-16:00)		Hrvoje Omrčen MD
27/10/2020			P7 G1 (08:15-09:45)	Ana Jerbić Radetić MD
			P7 G2 (08:15-09:45)	Hrvoje Omrčen MD
			P7 G3 (10:15-11:45)	Ana Jerbić Radetić MD
			P7 G4, G5 (10:15-11:45)	Juraj Arbanas, Associate Professor Hrvoje Omrčen MD
29/10/2020			MIDTERM I	Juraj Arbanas, Associate Professor Ana Jerbić radetić, MD Hrvoje Omrčen, MD
02/11/2020	L 9 (12:15-13:00)			Romana Jerković, Full Professor
02/11/2020	L10 (13:15-14:00)			Romana Jerković, Full Professor
03/11/2020			P8 G1 (08:15-10:30)	Hrvoje Omrčen MD
			P8 G2 (08:15-10:30)	Ana Jerbić Radetić MD
			P8 G3 (10:45-13:00)	Hrvoje Omrčen MD
			P8 G4, G5 (10:45-13:00)	Juraj Arbanas, Associate Professor Ana Jerbić Radetić MD
05/11/2020			P9 G1 (08:15-10:30)	Juraj Arbanas, Associate Professor
			P9 G2 (08:15-10:30)	Hrvoje Omrčen MD
			P9 G3 (10:45-13:00)	Juraj Arbanas, Associate Professor
			P9 G4, G5 (10:45-13:00)	Ana Jerbić Radetić MD Hrvoje Omrčen MD
10/11/2020			P10 G1 (08:15-10:30)	Ana Jerbić Radetić MD
			P10 G2 (08:15-10:30)	Hrvoje Omrčen MD
			P10 G3 (10:45-13:00)	Ana Jerbić Radetić MD
			P10 G4, G5 (10:45-13:00)	Juraj Arbanas, Associate Professor Hrvoje Omrčen MD
12/11/2020			P11 G1 (08:15-10:30)	Hrvoje Omrčen MD
			P11 G2 (08:15-10:30)	Ana Jerbić Radetić MD

			P11 G3 (10:45-13:00)	Hrvoje Omrčen MD
			P11 G4, G5 (10:45-13:00)	Juraj Arbanas, Associate Professor Ana Jerbić Radetić MD
16/11/2020	L11 (12:15-13:00)			Romana Jerković, Full Professor
16/11/2020	L12 (13:15-14:00)			Romana Jerković, Full Professor
16/11/2020		S5 G1(14:15-16:00)		Hrvoje Omrčen MD
16/11/2020		S5 G2 (14:15-16:00)		Ana Jerbić Radetić MD
17/11/2020			P12 G1 (08:15-10:30)	Juraj Arbanas, Associate Professor
			P12 G2 (08:15-10:30)	Hrvoje Omrčen MD
			P12 G3 (10:45-13:00)	Juraj Arbanas, Associate Professor
			P12 G4, G5 (10:45-13:00)	Ana Jerbić Radetić MD Hrvoje Omrčen MD
19/11/2020			P13 G1 (08:15-10:30)	Ana Jerbić Radetić MD
			P13 G2 (08:15-10:30)	Hrvoje Omrčen MD
			P13 G3 (10:45-13:00)	Ana Jerbić Radetić MD
			P13 G4, G5 (10:45-13:00)	Juraj Arbanas, Associate Professor Hrvoje Omrčen MD
23/11/2020	L13 (12:15-13:00)			Romana Jerković, Full Professor
23/11/2020	L14 (13:15-14:00)			Romana Jerković, Full Professor
24/11/2020			P14 G1 (08:15-09:45)	Hrvoje Omrčen MD
			P14 G2 (08:15-09:45)	Ana Jerbić Radetić MD
			P14 G3 (10:15-11:45)	Hrvoje Omrčen MD
			P14 G4, G5 (10:15-11:45)	Juraj Arbanas, Associate Professor Ana Jerbić Radetić MD
26/11/2020			MIDTERM II	Juraj Arbanas, Associate Professor Ana Jerbić radetić, MD Hrvoje Omrčen, MD
30/11/2020	L15 (08:15-09:00)			Romana Jerković, Full Professor
30/11/2020	L16 (09:15-10:00)			Romana Jerković, Full Professor
30/11/2020		S6 G1 (10:15-12:00)		Sanja Zoričić Cvek, Full Professor
30/11/2020		S6 G2 (10:15-12:00)		Tanja Čelić, Assistant Professor
01/12/2020			P15 G1 (08:15-09:45)	Sanja Zoričić Cvek, Full Professor
			P15 G2 (08:15-09:45)	Tanja Čelić, Assistant Professor
			P15 G3 (10:15-11:45)	Sanja Zoričić Cvek, Full Professor
			P15 G4, G5 (10:15-11:45)	Tanja Čelić, Assistant Professor Ana Jerbić Radetić MD
03/12/2020			P16 G1 (08:15-10:30)	Sanja Zoričić Cvek, Full Professor
03/12/2020			P16 G2 (08:15-10:30)	Tanja Čelić, Assistant Professor

			P16 G3 (10:45-13:00)	Sanja Zoričić Cvek, Full Professor
			P16 G4, G5 (10:45-13:00)	Tanja Čelić, Assistant Professor Hrvoje Omrčen MD
07/12/2020	L17 (08:15-09:00)			Romana Jerković, Full Professor
07/12/2020	L18 (09:15-10:00)			Romana Jerković, Full Professor
08/12/2020			P17 G1 (08:15-09:45)	Sanja Zoričić Cvek, Full Professor
			P17 G2 (08:15-09:45)	Tanja Čelić, Assistant Professor
			P17 G3 (10:15-11:45)	Sanja Zoričić Cvek, Full Professor
			P17 G4, G5 (10:15-11:45)	Tanja Čelić, Assistant Professor Ana Jerbić Radetić MD
10/12/2020			P18 G1 (08:15-10:30)	Sanja Zoričić Cvek, Full Professor
			P18 G2 (08:15-10:30)	Tanja Čelić, Assistant Professor
			P18 G3 (10:45-13:00)	Sanja Zoričić Cvek, Full Professor
			P18 G4, G5 (10:45-13:00)	Tanja Čelić, Assistant Professor Hrvoje Omrčen MD
14/12/2020	L19 (08:15-09:00)			Romana Jerković, Full Professor
14/12/2020	L20 (09:15-10:00)			Romana Jerković, Full Professor
14/12/2020		S7 G1 (10:15-12:00)		Sanja Zoričić Cvek, Full Professor
14/12/2020		S7 G2 (10:15-12:00)		Tanja Čelić, Assistant Professor
15/12/2020			P19 G1 (08:15-09:45)	Sanja Zoričić Cvek, Full Professor
			P19 G2 (08:15-09:45)	Tanja Čelić, Assistant Professor
			P19 G3 (10:15-11:45)	Sanja Zoričić Cvek, Full Professor
			P19 G4, G5 (10:15-11:45)	Tanja Čelić, Assistant Professor Hrvoje Omrčen MD
17/12/2020			P20 G1 (08:15-10:30)	Sanja Zoričić Cvek, Full Professor
			P20 G2 (08:15-10:30)	Tanja Čelić, Assistant Professor
			P20 G3 (10:45-13:00)	Sanja Zoričić Cvek, Full Professor
			P20 G4, G5 (10:45-13:00)	Tanja Čelić, Assistant Professor Ana Jerbić Radetić MD
21/12/2020	L21 (08:15-09:00)			Romana Jerković, Full Professor
21/12/2020	L22 (09:15-10:00)			Romana Jerković, Full Professor
21/12/2020		S8 G1(10:15-12:00)		Sanja Zoričić Cvek, Full Professor
21/12/2020		S8 G2 (10:15-12:00)		Tanja Čelić, Assistant Professor
22/12/2020			P21 G1 (08:15-09:45)	Sanja Zoričić Cvek, Full Professor
			P21 G2 (08:15-09:45)	Tanja Čelić, Assistant Professor
			P21 G3 (10:15-11:45)	Sanja Zoričić Cvek, Full Professor
			P21 G4, G5 (10:15-11:45)	Tanja Čelić, Assistant Professor Ana Jerbić Radetić MD

07/01/2021			P22 G1 (08:15-10:30)	Sanja Zoričić Cvek, Full Professor
			P22 G2 (08:15-10:30)	Tanja Čelić, Assistant Professor
			P22 G3 (10:45-13:00)	Sanja Zoričić Cvek, Full Professor
			P22 G4, G5 (10:45-13:00)	Tanja Čelić, Assistant Professor Hrvoje Omrčen MD
11/01/2021	L23 (08:15-09:00)			Romana Jerković, Full Professor
11/01/2021	L24 (09:15-10:00)			Romana Jerković, Full Professor
11/01/2021		S9 G1(10:15-12:00)		Sanja Zoričić Cvek, Full Professor
		S9 G2 (10:15-12:00)		Tanja Čelić, Assistant Professor
12/01/2021			P23 G1 (08:15-09:45)	Sanja Zoričić Cvek, Full Professor
			P23 G2 (08:15-09:45)	Tanja Čelić, Assistant Professor
			P23 G3 (10:15-11:45)	Sanja Zoričić Cvek, Full Professor
			P23 G4, G5 (10:15-11:45)	Tanja Čelić, Assistant Professor Hrvoje Omrčen MD
14/01/2021			P24 G1 (08:15-10:30)	Sanja Zoričić Cvek, Full Professor
			P24 G2 (08:15-10:30)	Tanja Čelić, Assistant Professor
			P24 G3 (10:45-13:00)	Sanja Zoričić Cvek, Full Professor
			P24 G4, G5 (10:45-13:00)	Tanja Čelić, Assistant Professor Ana Jerbić Radetić MD
18/01/2021	L25 (08:15-09:00)			Romana Jerković, Full Professor
	L26(09:15-10:00)			Romana Jerković, Full Professor
18/01/2021		S10 G1(10:15-12:00)		Sanja Zoričić Cvek, Full Professor
		S10 G2 (10:15-12:00)		Tanja Čelić, Assistant Professor
19/01/2021			P25 G1 (08:15-09:45)	Sanja Zoričić Cvek, Full Professor
			P25 G2 (08:15-09:45)	Tanja Čelić, Assistant Professor
			P25 G3 (10:15-11:45)	Sanja Zoričić Cvek, Full Professor
			P25 G4, G5 (10:15-11:45)	Tanja Čelić, Assistant Professor Hrvoje Omrčen MD
21/01/2021			P26 G1 (08:15-10:30)	Sanja Zoričić Cvek, Full Professor
			P26 G2 (08:15-10:30)	Tanja Čelić, Assistant Professor
			P26 G3 (10:45-13:00)	Sanja Zoričić Cvek, Full Professor
			P26 G4, G5 (10:45-13:00)	Tanja Čelić, Assistant Professor Ana Jerbić Radetić MD
25/01/2021	L27 (08:15-09:00)			Romana Jerković, Full Professor
25/01/2021	L28(09:15-10:00)			Romana Jerković, Full Professor
26/01/2021			MIDTERM III	Sanja Zoričić Cvek, Full Professor Tanja Čelić, Assistant Professor
28/01/2021			MIDTERM III	Sanja Zoričić Cvek, Full Professor Tanja Čelić, Assistant Professor

2. SEMESTER

Date	Lectures (time and place) – Lecture room 8	Seminars (time and place) – Lecture room 8	Practicals (time and place) – Department of Anatomy	Instructor
01/03/2021	L29 (10:15-11:00)			Romana Jerković, Full Professor
01/03/2021	L30 (11:15-12:00)			Romana Jerković, Full Professor
02/03/2021			P27 G1 (10:45-13:00)	Ivana Marić, Full Professor
			P27 G2 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor
			P27 G3 (13:15-15:30)	Ivana Marić, Full Professor
			P27 G4, G5 (13:15-15:30)	Tamara Šoić-Vranić, Associate Professor Ana Jerbić Radetić MD
04/03/2021			P28 G1 (08:15-10:30)	Ivana Marić, Full Professor
			P28 G2 (08:15-10:30)	Tamara Šoić-Vranić, Associate Professor
			P28 G3 (10:45-13:00)	Ivana Marić, Full Professor
			P28 G4, G5 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor Hrvoje Omrčen MD
08/03/2021	L31 (10:15-11:00)			Romana Jerković, Full Professor
08/03/2021	L32 (11:15-12:00)			Romana Jerković, Full Professor
08/03/2021		S11 G1/G2 (12:15-14:00)		Tamara Šoić-Vranić, Associate Professor Ivana Marić, Full Professor
09/03/2021			P29 G1 (10:45-13:00)	Ivana Marić, Full Professor
			P29 G2 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor
			P29 G3 (13:15-15:30)	Ivana Marić, Full Professor
			P29 G4, G5 (13:15-15:30)	Tamara Šoić-Vranić, Associate Professor Ana Jerbić Radetić MD
11/03/2021			P30 G1 (08:15-10:30)	Ivana Marić, Full Professor
			P30 G2 (08:15-10:30)	Tamara Šoić-Vranić, Associate Professor
			P30 G3 (10:45-13:00)	Ivana Marić, Full Professor
			P30 G4, G5 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor Hrvoje Omrčen MD
15/03/2021	L33 (10:15-11:00)			Romana Jerković, Full Professor
15/03/2021	L34 (11:15-12:00)			Romana Jerković, Full Professor

15/03/2021		S12 G1/G2 (12:15-14:00)		Tamara Šoić-Vranić, Associate Professor Snježana Bajek, Full Professor
16/03/2021			P31 G1 (10:45-13:00)	Snježana Bajek, Full Professor
			P31 G2 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor
			P31 G3 (13:15-15:30)	Snježana Bajek, Full Professor
			P31 G4, G5 (13:15-15:30)	Tamara Šoić-Vranić, Associate Professor Hrvoje Omrčen MD
18/03/2021			P32 G1 (08:15-10:30)	Snježana Bajek, Full Professor
			P32 G2 (08:15-10:30)	Tamara Šoić-Vranić, Associate Professor
			P32 G3 (10:45-13:00)	Snježana Bajek, Full Professor
			P32 G4, G5 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor Ana Jerbić Radetić MD
22/03/2021	L35(10:15-11:00)			Romana Jerković, Full Professor
22/03/2021	L36 (11:15-12:00)			Romana Jerković, Full Professor
22/03/2021		S13 G1/G2 (12:15-14:00)		Tamara Šoić-Vranić, Associate Professor Snježana Bajek, Full Professor
23/03/2021			P33 G1 (10:45-13:00)	Snježana Bajek, Full Professor
			P33 G2 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor
			P33 G3 (13:15-15:30)	Snježana Bajek, Full Professor
			P33 G4, G5 (13:15-15:30)	Tamara Šoić-Vranić, Associate Professor Hrvoje Omrčen MD
25/03/2021			P34 G1 (08:15-10:30)	Snježana Bajek, Full Professor
			P34 G2 (08:15-10:30)	Tamara Šoić-Vranić, Associate Professor
			P34 G3 (10:45-13:00)	Snježana Bajek, Full Professor
			P34 G4, G5 (10:45-13:00)	Tamara Šoić-Vranić, Associate Professor Ana Jerbić Radetić MD
29/03/2021	L37 (10:15-11:00)			Romana Jerković, Full Professor
29/03/2021	L38 (11:15-12:00)			Romana Jerković, Full Professor
29/03/2021		S14 G1/G2 (12:15-14:00)		Snježana Bajek, Full Professor Ivana Marić, Full Professor
30/03/2021			P35 G1 (10:45-13:00)	Snježana Bajek, Full Professor
			P35 G2 (10:45-13:00)	Ivana Marić, Full Professor

			P35 G3 (13:15-15:30)	Snježana Bajek, Full Professor
			P35 G4, G5 (13:15-15:30)	Ivana Marić, Full Professor Hrvoje Omrčen MD
01/04/2021			P36 G1 (08:15-10:30)	Snježana Bajek, Full Professor
			P36 G2 (08:15-10:30)	Ivana Marić, Full Professor
			P36 G3 (10:45-13:00)	Snježana Bajek, Full Professor
			P36 G4, G5 (10:45-13:00)	Ivana Marić, Full Professor Ana Jerbić Radetić MD
08/04/2021			P37 G1 (10:45-13:00)	Snježana Bajek, Full Professor
			P37 G2 (10:45-13:00)	Ivana Marić, Full Professor
			P37 G3 (13:15-15:30)	Snježana Bajek, Full Professor
			P37 G4, G5 (13:15-15:30)	Ivana Marić, Full Professor Hrvoje Omrčen MD
12/04/2021	L39 (10:15-11:00)			Romana Jerković, Full Professor
12/04/2021	L40 (11:15-12:00)			Romana Jerković, Full Professor
12/04/2021		S15 G1/G2 (12:15-14:00)		Snježana Bajek, Full Professor Ivana Marić, Full Professor
13/04/2021			MIDTERM IV	Snježana Bajek, Full Professor Ivana Marić, Full Professor Tamara Šoić-Vranić, Associate Professor
15/04/2021			MIDTERM IV	Snježana Bajek, Full Professor Ivana Marić, Full Professor Tamara Šoić-Vranić, Associate Professor
19/04/2021	L41 (10:15-11:00)			Romana Jerković, Full Professor
19/04/2021	L42 (11:15-12:00)			Romana Jerković, Full Professor
19/04/2021		S16 G1/G2 (12:15-14:00)		Gordana Starčević Klasan, Associate Professor Olga Cvijanović Pelosa, Associate Professor
20/04/2021			P38 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P38 G2 (10:45-13:00)	Olga Cvijanović Pelosa, Associate Professor
			P38 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P38 G4, G5 (13:15-15:30)	Olga Cvijanović Pelosa, Associate Professor Hrvoje Omrčen MD
22/04/2021			P39 G1 (08:15-10:30)	Gordana Starčević Klasan, Associate Professor
			P39 G2 (08:15-10:30)	Olga Cvijanović Pelosa, Associate Professor

			P39 G3 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P39 G4, G5 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor Ana Jerbić Radetić MD
26/04/2021	L43 (10:15-11:00)			Romana Jerković, Full Professor
26/04/2021	L44 (11:15-12:00)			Romana Jerković, Full Professor
26/04/2021		S17 G1/G2 (12:15-14:00)		Gordana Starčević Klasan, Associate Professor Olga Cvijanović Peloz, Associate Professor
27/04/2021			P40 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P40 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor
			P40 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P40 G4, G5 (13:15-15:30)	Olga Cvijanović Peloz, Associate Professor Hrvoje Omrčen MD
29/04/2021			P41 G1 (08:15-10:30)	Gordana Starčević Klasan, Associate Professor
			P41 G2 (08:15-10:30)	Olga Cvijanović Peloz, Associate Professor
			P41 G3 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P41 G4, G5 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor Ana Jerbić Radetić MD
03/05/2021	L45 (10:15-11:00)			Romana Jerković, Full Professor
03/05/2021	L46 (11:15-12:00)			Romana Jerković, Full Professor
03/05/2021		S18 G1/G2 (12:15-14:00)		Gordana Starčević Klasan, Associate Professor Olga Cvijanović Peloz, Associate Professor
04/05/2021			P42 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P42 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor
			P42 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P42 G4, G5 (13:15-15:30)	Olga Cvijanović Peloz, Associate Professor Ana Jerbić Radetić MD
06/05/2020			P43 G1 (08:15-10:30)	Gordana Starčević Klasan, Associate Professor

			P43 G2 (08:15-10:30)	Olga Cvijanović Peloz, Associate Professor
			P43 G3 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P43 G4, G5 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor Hrvoje Omrčen MD
10/05/2021	L47 (10:15-11:00)			Romana Jerković, Full Professor
10/05/2021	L48 (11:15-12:00)			Romana Jerković, Full Professor
10/05/2021		S19 G1/G2 (12:15-14:00)		Gordana Starčević Klasan, Associate Professor Olga Cvijanović Peloz, Associate Professor
11/05/2021			P44 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P44 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor
			P44 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P44 G4, G5 (13:15-15:30)	Olga Cvijanović Peloz, Associate Professor Ana Jerbić Radetić MD
13/05/2021			P45 G1 (08:15-10:30)	Gordana Starčević Klasan, Associate Professor
			P45 G2 (08:15-10:30)	Olga Cvijanović Peloz, Associate Professor
			P45 G3 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P45 G4, G5 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor Hrvoje Omrčen MD
17/05/2021	L49 (10:15-11:00)			Romana Jerković, Full Professor
17/05/2021	L50 (11:15-12:00)			Romana Jerković, Full Professor
18/05/2021			P46 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P46 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor
			P46 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P46 G4, G5 (13:15-15:30)	Olga Cvijanović Peloz, Associate Professor Ana Jerbić Radetić MD
20/05/2021			P47 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P47 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor

			P47 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P47 G4, G5 (13:15-15:30)	Olga Cvijanović Peloz, Associate Professor Hrvoje Omrčen MD
24/05/2021	L51 (10:15-11:00)			Romana Jerković, Full Professor
24/05/2021	L52 (11:15-12:00)			Romana Jerković, Full Professor
25/05/2021			P48 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P48 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor
			P48 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P48 G4, G5 (13:15-15:30)	Olga Cvijanović Peloz, Associate Professor Ana Jerbić Radetić MD
27/05/2021			P49 G1 (08:15-10:30)	Gordana Starčević Klasan, Associate Professor
			P49 G2 (08:15-10:30)	Olga Cvijanović Peloz, Associate Professor
			P49 G3 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P49 G4, G5 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor Hrvoje Omrčen MD
31/05/2021	L53 (10:15-11:00)			Romana Jerković, Full Professor
31/05/2021	L54 (11:15-12:00)			Romana Jerković, Full Professor
31/05/2021		S20 G1/G2 (12:15-14:00)		Gordana Starčević Klasan, Associate Professor Olga Cvijanović Peloz, Associate Professor
01/06/2021			P50 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P50 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor
			P50 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor
			P50 G4, G5 (13:15-15:30)	Olga Cvijanović Peloz, Associate Professor Hrvoje Omrčen MD
03/06/2021			P51 G1 (10:45-13:00)	Gordana Starčević Klasan, Associate Professor
			P51 G2 (10:45-13:00)	Olga Cvijanović Peloz, Associate Professor
			P51 G3 (13:15-15:30)	Gordana Starčević Klasan, Associate Professor

			P51 G4, G5 (13:15-15:30)	Olga Cvijanović Peloza, Associate Professor Ana Jerbić Radetić MD
07/06/2021	L55 (10:15-11:00)			Romana Jerković, Full Professor
07/06/2021	L56 (11:15-12:00)			Romana Jerković, Full Professor
08/06/2021			MIDTERM V	Gordana Starčević Klasan, Associate Professor Olga Cvijanović Peloza, Associate Professor
10/06/2021			MIDTERM V	Gordana Starčević Klasan, Associate Professor Olga Cvijanović Peloza, Associate Professor

FINAL EXAM DATES	
1.	16.06.2021.
2.	30.06.2021
3.	14.07.2021.
4.	09.09.2021.
5.	23.09.2021.