Descriptive Anatomy II(54728)

I. GENERAL

SCHOOL	HEALTH SCIENCES		
ACADEMIC UNIT	SCHOOL OF MEDICINE		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	54728	SEMESTER	3rd
COURSE TITLE	Descriptive Anatomy II		

INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS (ECTS)
LECTURES	2	6
LABORATORY TRAINING	3	
CLINICAL PRACTICE	5	

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	general background, special background, specialization in general knowledge, development of laboratory skills / preparation on cadaveric material preserved in formalin
PREREQUISITE COURSES:	There are no prerequisite courses in order for the student to attend the course
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH
COURSE WEBSITE (URL)	eClass ΕΚΠΑ | Descriptive Anatomy II (uoa.gr)

Course Director / Head Professor:
Prof. Theodore Troupis ,PhD, MD
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Course Secretary

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Faculty & Guest Speakers

Maria Piagkou	Professor	mapian@med.uoa.gr
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Ammer Shihada	Scientific Associate	

II. COURSE DESCRIPTION

COURSE DESCRIPTION

Theoretical part with lectures by the amphitheater. The practice will take place in donated cadavers through the Body Donation Program after written informed consent. The meticulous and step-by-step dissection based on a protocol will contribute to the detailed teaching and learning of the typical anatomy, as well as variations.

Demonstration and description of the Spinal Column- Column-related vertebrae per level, Skull (neurocranium and viscerocranium)- Cranial fossae and related foramina both intracranially and extracranially.

Osteology, arthrology, syndesmology, peripheral vascular and nervous systems, organization into plexuses (cervical, brachial, lumbar, and sacral) in the areas of the upper (arm, forearm, and hand) and the lower (thigh, leg, and foot) extremities.

in-depth dissection of the head and neck, thorax, axilla, abdomen, groin, and pelvis areas.

TIMETABLE AND LOCATION

Lectures
Every Wednesday 11:00-12:00 - Library of Health Sciences

Labs Group A every Wednesday 15:00-17:00
Group B every Thursday 14:00-16:00
At the Anatomy laboratory (Dissection Hall) building 5 , 1st floor

III. LEARNING OUTCOMES

LEARNING OUTCOMES - SYLLABUS

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Please note: Learning objectives serve as a framework, allowing flexibility for delving deeper into the subject matter and expanding knowledge at a more profound level.

Upon successful completion of the course Descriptive Anatomy II, students will know the topographic anatomy of the human body regarding the musculoskeletal system (bones-muscles-joints) but also the peripheral nervous system, lymphatic, topography of viscera, chest and abdomen.
The teaching of the course is student-centered, respects the diversity of students, cultivates teamwork and fruitful exchange of views in small exercise groups, uses alternative ways of delivery, takes care of the diverse needs of students by adopting flexible learning directions and pedagogical methods and enhances the sense of autonomy of the student as well as respect for the human body, recognizing the supreme good of body donation where it is based the education of students.
The relationship between teacher and teacher is also cultivated and counseling and further guidance for anatomical research is provided. In addition, the quality and effectiveness of teaching work is regularly evaluated, taking into account consistently and seriously the evaluation by students.
During the current academic semesters, demonstrations of these courses are also implemented at Anatomage Tables where students have the opportunity to be trained in three-dimensional anatomical digital imaging of the human body.

Introductory courses
Introduction to Anatomy, anatomical structures, etc. Morphology/characteristics of various tissues.Elements of osteology, myology, arthrology, wiring. Elements of Nervous Tissue-Autonomic - CNS- and peripheral nervous system.
Section 1: Anterolateral Wall of the Chest. Shoulder girdle.
TOPICS: Skeleton and Joints of the chest and shoulder girdle. Spinal nerves. Muscles, Vessels and Nerves of the anterior and lateral chest wall. Shoulder girdle muscles (I).
Section 2: Axillary Cavity and Arm.
TOPICS: Brachial bone. Shoulder structure. Muscles of the shoulder girdle (II). Brachial plexus. Axillary cavity. Arm muscles. Axillary and humeral vessels and nerves.
Section 3: Forearm and Hand (front and rear surface)
TOPICS: Bones, Joints, Muscles, Fascia, Vessels and Nerves of the forearm and hand.
Section 4: Cervix (I)
TOPICS: Cervical spine. occipital bone. Spinal and craniostebral joints. Neck muscles (I).
Section 5: Cervix (II)
TOPICS: Cervical countries. Neck Muscles (II), Vessels and Nerves of the Cervix.
Cervical spine of the Sympathetic Stem.
Section 6: Head (I)
TOPICS: Cerebral skull – Foramina – Cerebral nerves (conjugations).
Section 7: Head (II)
TOPICS: Bones of the visceral skull. Orbit. Bony nasal cavity. Bony wall of the oral cavity. Temporomandibular joint – Mimic and masseter muscles. Tonsil. Vessels and Head Nerves.
Section 8: Abdominal Wall
TOPICS: Lumbar vertebrae. Pelvis. Lumbar plexus. Muscles. Vessels and nerves of the anterior and lateral abdominal wall9th Section: Lower Limb: Thigh (anterior and posterior surface)
TOPICS: Bones, Joints, Muscles, Vessels and Nerves of the Thigh, (anterior and posterior surface). Sacred lattice and its branches.
Section 10: Tibia and Leg (anterior and posterior surface)
TOPICS : Bones, Joints, Myes, Vessels and Nerves of Tibia and Foot (anterior and posterior surface)
11th Section: Dorsal torso surface, gluteal region.
TOPICS: Inner and Outer Pelvic Muscles. Trunk Vessels and Nerves. Muscles of the dorsal surface of the trunk. Vessels and Nerves.
Section 12: Hull of the Chest.
TOPICS: Hull of the Chest. Pleura and Spaces and Spatial Arrangement of the organs, vessels and

nerves of the chest hull. Diaphragm. Vessels and Nerves of the Chest. System of unleavened veins. Major thoracic duct. Thoracic spine of sympathetic stem.
Section 13: Elk of the Abdomen
TOPICS: Hull of the abdomen. Spaces and spatial arrangement of the organs of the abdomen. Peritoneum – Peritoneal cavity – Peritoneal spaces – Retroperitoneal space. Arteries and veins of the abdominal hull. The Portal venous system. Lumbar and Sacral spine of the autonomic nervous system.

GENERAL COMPETENCES Taking into consideration the general competences that the degree-holder must acquire at which of the following does the course aim?

- Search, analysis and synthesis of data and information, using the necessary technologies
- Adapting to new situations
- Autonomous work
-Teamwork
- Respect for diversity and multiculturalism
- Demonstrate social, professional and moral responsibility and sensitivity
- Criticism and self-criticism
- Promotion of free, creative and inductive thinking

IV. TEACHING and LEARNING METHODS

TEACHING METHODS *Face-to-face, Distance learning, etc.*	Face-to-face, lectures to small groups of students in the Dissection Room and Digital Technology Room
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	Use of computers and audiovisual media in education: • Lectures using slides and selected videos • Support of the learning process and communication with students through the electronic platform e-class Online communication with students Students are further informed about the activities of the Anatomy-"Anatomy" Laboratory through emails sent to their individual email addresses. The following social media pages have also been created: Facebook Twitter Instagram Twitter

TEACHING METHODS
Lectures, seminars, laboratory practice, study and analysis of reference material, clinical practice, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.
The student's study hours for each learning activity are given as well as the hours of non- directed study according to the principles of the ECTS

Activity	*Semester workload*
Lectures/interactive teaching	13
Clinical/ Lab practice	52
Examination duration	1 hour
Individual study/preparation	65
Course total	*131*

LEARNING MANAGEMENT SYSTEM	**All course materials and announcements will be posted on eClass.**

V. STUDENT PERFORMANCE EVALUATION

LANGUAGE OF EXAMINATION	ENGLISH

DESCRIPTION OF THE EVALUATION PROCEDURE *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	Assessment of the student's knowledge, diligence, willingness, conscientiousness, consistency and general interest during the exercise on the corpse. Final face-to-face oral examination in small groups, as well as a written exam with a multiple-choice system of 50 questions (in case of failure in the oral exams, co-assessment of writing)

Examination period	• *Fall semester examination period* • *September examination period*
METHODS OF EVALUATION (detailed)	*multiple-choice questionnaires (50 questions)* *[1 hour exams for multiple- choice questions]* *+* *oral examination*
GRADING POLICY	**For a student to pass the course of «Descriptive Anatomy II» he/she must have obtained a passable grade (meaning from 5 and above) in both parts of the examination of the course (both oral and written).** **If a student has scored below 5 in either part of the examination, he/she cannot pass the course.**

VI. REFERENCE MATERIAL / BOOKS REQUIRED

The supply of books is the responsibility of the student and the cost is not included in the tuition fees.

Recommended Textbooks

1) Snell's Clinical Anatomy by Regions, 10th edition
2) Color Atlas of Human Anatomy,Vol. 1 Locomotor System, ISBN: 9783132424432
3) Color Atlas of Human Anatomy,Vol. 2 Internal Organs, ISBN:9783132424487
4) Color Atlas of Human Anatomy, Vol. 3: Nervous System and Sensory Organs 8th edition, Author(s): Werner Kahle, Michael Frotscher ISBN: 9783132424517, Publisher: Thieme
5) Sobotta Anatomy Textbook, English Edition, 1st Edition, Authors: Friedrich Paulsen, Tobias M. Böckers, Jens Waschke, ISBN: 9780702067600, Publisher: Elsevier
6) Atlas of Human Anatomy, 8th Edition, Author: Frank H. Netter, ISBN:9780323680424, Publisher: Elsevier

Suggested articles or other free (or nearly free) resources

RELATED SCIENTIFIC JOURNALS

- In the bibliographic database pubmed/medline, google scholar
- *Annals of Anatomy*
- *Clinical Anatomy*
- *Surgical and Radiological Anatomy*
- *Morphology*
- *Folia Morphologica*

VII. ATTENDANCE AND OTHER STUDENT RESPONSIBILITIES

A. ATTENDANCE POLICY

Attendance is mandatory for both lectures and labs/clinical practice.
Students are allowed to be absent up to 13 hours of lectures (which corresponds to a maximum of 20% of the total course hours). Specifically, in lectures of the specific course you are allowed to miss **{13 lectures}** whereas in labs **{none}.**

B. STUDENT RESPONSIBILITIES & EXPECTATIONS:

- Please make sure to participate in lectures, lab sessions, and exam days. In the event of an emergency or illness, kindly notify the central administration promptly via email to medicen@uoa.gr as well as the secretariat of the course Anna Maria Polychronopoulou via provided email ampoly8@uoa.gr
- Please ensure punctuality for the lectures and labs, and in return, the Professor will conclude the class as scheduled. Kindly note that students will not allowed to enter the class in case the doors close and the lecture/lab has started; they will be marked as absent.
- Maintain a sense of curiosity and be proactive in seeking clarification. If you are unclear about something, chances are that others in the class share the same confusion. Support your peers by posing questions and seeking clarity.

C. DRESS CODE

Physicians are expected to be groomed and dressed in a manner that presents a professional and neat appearance to their patients. Maintaining personal hygiene and wearing appropriate attire

help to establish rapport with patients and are important to good patient care. These factors may have impact on the dress code policy at our institution. Dress code requirements in clinical settings are also influenced by personal and patient safety needs.

Shorts are not allowed.

While on clinical rotations, medical students must be dressed in accordance with the dress code of the site in which they are working. Medical students are expected to wear white coats throughout the duration of the labs. Closed-toed shoes are required in the clinical setting.

In the course laboratories students must wear their white coats, closed shoes and trousers.

VIII. DETAILED TIMETABLE FOR THE ACADEMIC YEAR 2025-2026

DESCRIPTIVE ANATOMY II CLASS

SCHEDULE OF THE LECTURES FOR THE DISSECTION COURSES (THEORETICAL PART AT THE LIBRARY OF HEALTH SCIENCES)

ANATOMY DEPARTMENT OF THE MEDICAL SCHOOL NKUA,

ACADEMIC YEAR 2025-2026

Every Wednesday

TIME:11.00-12.00 (1 hour)

DATE	LECTURE	SPEAKER
Wednesday 01/10	Introduction to Anatomy, Basic Anatomical Knowledge, Orientation (Anatomical position and planes), Anatomical Terminology	M. Piagkou
Wednesday 08/10	Thoracic wall/ Bones (sternum, ribs, and thoracic vertebrae) related Joints, Muscles, Vessels, and Nerves. The Pectoral Region, and the Axilla	M. Piagkou
Wednesday 15/10	Upper limb skeleton. Shoulder Joint (bones and ligaments), Arm (humerus), Muscles, Vessels, and Nerves/ Elbow Joint	G. Tsikouris
Wednesday 22/10	Forearm and Hand (palm and dorsum)/ Bones and ligaments/ Wrist Joint and other joints of the carpal area/ Muscles, Vessels, and Nerves. Carpal tunnel.	G. Tsikouris
Wednesday 29/10	Neck/ Cervical vertebrae (emphasis on C1 and C2 area, craniocervical joints). Muscles classification (origin and insertion), Vessels, and Nerves (cervical plexus and related cranial nerves in the neck). Triangles and landmarks.	D. Chrysikos
Wednesday 05/11	Skull Bones with emphasis on neurocranium / Description of the Cranial Fossae and related foramina intracranially and extracranially (contained structures)	M. Piagkou
Wednesday 12/11	Skull embryology, Viscerocranium (facial skeleton), Bones. Muscles of the Head (Mimic and masseteric muscles), Vessels, and Nerves. Cutaneous Innervation of the Head. Regions of Interest	M. Piagkou
Wednesday 19/11	Abdominal wall/ Abdominal muscles/ Rectus abdominis sheath, Vessels, and Nerves. Inguinal region and canal. Pelvis. Lumbar and sacral plexuses	D. Chrysikos
Wednesday 26/11	Lower limb skeleton. Inguinal and Femoral regions. Thigh area. Femur description, Hip joint. Thigh muscles per compartment (origins and insertions), Related Vessels, and Nerves.	G. Tsakotos
Wednesday 03/12	Tibia and Foot. Bones, ligaments, and related joints. The knee, the ankle, and joints of the Foot. Muscles of the anterior and posterior compartment, Related vessels, and nerves.	G. Tsakotos

Wednesday 10/12	Back and related muscles (origins and insertion) and related nerves and vessels. The gluteal region, perineum with the related muscles, vessels, and nerves.	D. Chrysikos
Wednesday 17/12	Thoracic Cavity, Lungs and Bronchi, Mediastinum (division and contents), Heart, and Great Vessels. Veins of the Thorax. The Aorta (Thoracic) branches.	D. Filippou
Wednesday 07/01	Abdominal Cavity, Diaphragm and Internal organs, Peritoneum, and related ligaments. Greater and Lesser Omenta. Omental Bursa and Mesocolon. Aorta (abdominal) branches.	D. Filippou