# GENERAL

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| SCHOOL | HEALTH SCIENCES | | | | |
| ACADEMIC UNIT | SCHOOL OF MEDICINE | | | | |
| LEVEL OF STUDIES | Graduate | | | | |
| COURSE CODE | 54322 | SEMESTER | | 4th | |
| COURSE TITLE | Descriptive Anatomy I | | | | |
| INDEPENDENT TEACHING ACTIVITIES | | | WEEKLY TEACHING HOURS | | CREDITS (ECTS) |
| LECTURES | | | 5 | | 6 |
| LABORATORY TRAINING | | | - | |
| CLINICAL PRACTICE | | | - | |
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| COURSE TYPE  *general background, special background, specialised general knowledge, skills development* | general background,  special background,  General Knowledge Specialization | | | | |
| 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 I (uoa.gr)](https://eclass.uoa.gr/courses/MEDICEN126/) | | | | |

**Course Director / Head Professor:**

Prof. Theodore Troupis

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# COURSE DESCRIPTION

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| COURSE DESCRIPTION |
| Descriptive Anatomy I provides the opportunity to review in depth the anatomical areas of the human body and the learning of organs and functional systems. It offers lectures in the amphitheater and teaching and learning in cadaveric specimens and in Virtual Dissection tables (Anatomage) or Human Body Navigators.  Specific objectives include the anatomy of the abdomen, Abdominal wall and groin, Peritoneum, and omentum, Petroperitoneum, Vessels (Abdominal aorta, Superior and Inferior Vena Cava, Azygos and Hemiazygos Veins), and Nerves (cranial and peripheral nerves), as well as the lymphatic system. The study of the abdominal organs, such as the Esophagus, Stomach, Small intestine, Appendix, Large intestine and anorectum, Liver, Extrahepatic biliary tract and gallbladder Pancreas and Spleen, and the related systems (Digestive, Respiratory, Genitourinary system, Male and Female genital system), Breast anatomy and the Heart. |
| TIMETABLE AND LOCATION |
| Lectures  Tuesdays and Wednesdays 10:00 – 12:00 at Papanikolaou Hall building 4 ground floor  Thursdays 11:00-12:00 at Papanikolaou Hall building 4 ground floor |

# LEARNING OUTCOMES

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| 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.* |
| Upon successful completion of the course Descriptive Anatomy I, students will know the topographic anatomy of the viscera and systems of the human body regarding the respiratory-digestive-circulatory-genital, male-genital, female-lymphatic, system. Topography of chest and abdominal organs, anatomical relationships-vascularity, neurosis-lymphatic drainage-clinical and surgical correlations, through cases mentioned by the Lecturers, which cultivate the critical anatomical thinking of students.  The teaching of the course is student-centered, respects the diversity of students, cultivates teamwork and fruitful exchange of views in the Teaching Amphitheater, 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 on which 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.  COURSE CONTENT   |  | | --- | | **initiator – introduction to viscerology-skin-breast-oral cavity-respiratory system-heart-large vessels-digestive system (pharynx-esophagus-peritoneum-stomach-small intestine-large intestine-rectum-liver-pancreas-bile ducts), spleen-adrenal glands-thyroid gland-lymphatic system-urinary system-genital system, male-genital system, female-demonstration Anatomage Tables.**  **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.**  **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 COMPETENCESTaking 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 |

# TEACHING and LEARNING METHODS

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| **TEACHING METHODS**  *Face-to-face, Distance learning, etc.* | Face-to-face, lectures in the Auditorium and Digital Technology Hall | | |
| 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 | 68 |  |
| Clinical/ Lab practice | - |  |
| Examination duration | 1 hour |  |
| Individual study/preparation | 68 |  |
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| Course total | *136* |  |

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

# STUDENT PERFORMANCE EVALUATION

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| LANGUAGE OF EXAMINATION | ENGLISH |

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| *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 teaching in the Auditorium  Final written exam with multiple choice system of 60 questions. |

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| Examination period | * *Spring semester examination period* * *September examination period* |
| METHODS OF EVALUATION  (detailed) | *multiple-choice questionnaires* |
| GRADING POLICY | For a course to be considered completed, a grade of five (5) out of ten (10) or higher is required.  If a student has not obtained a qualifying mark (i.e. above 5) he/she will come to the examination in September to retake the course.  The examination of the course in September is usually oral.  If there are enough students (10 students or more) to take the course at the September re-examination, it will be written |
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# 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*

# ATTENDANCE AND OTHER STUDENT RESPONSIBILITIES

## 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 teaching hours}**.

## 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](mailto: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.

## 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 professional attire and white coats when appropriate. Closed-toed shoes are required in the clinical setting.

# DETAILED TIMETABLE FOR THE ACADEMIC YEAR 2024-25

DESCRIPTIVE ANATOMY Ι CLASS SCHEDULE

2024-2025, 4TH SEMESTER

TUESDAY 10:00-12:00, WEDNESDAY 10:00-12:00, THURSDAY 11:00-12:00

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| **DATE** | **TOPIC** | **SPEAKER** |
| Tuesday 18/2  (10.00-12.00) | **Introductory lesson on the human body systems** (basic knowledge)  **Skin** (layers of the epidermis and cells, dermis, hypodermis), structure and function, embryology, blood supply, lymphatics, and nerves | Prof. D. Chrysikos  Dr. I. Dimovelis |
| Wednesday 19/2  (10.00-12.00) | **Skin-Breast** (Structure and Function, Embryology, Axilla, and Related Muscles) | Prof. D. Chrysikos  Dr. I. Dimovelis |
| Thursday 20/2  (11.00-12.00) | **Breast** (Blood supply, Nerves, Variants, and Clinical Considerations) | Prof. D. Chrysikos |
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| Tuesday 25/02  (10.00-12.00) | ***Digestive System***  **The Oral cavity** (Boundaries-Walls, Muscles, Content of the mouth, Lips, Gingivae, and Teeth),  Anatomy of the tongue-muscles, nerves, and vessels,  Hard and Soft palates and related muscles and nerves, Oropharynx, and Salivatory glands anatomy, and innervation | Prof. M. Piagkou |
| Wednesday 26/02  (10.00-12.00) | ***Respiratory system***  **Larynx (**structure, location, cartilages, ligaments, muscles (intrinsic and extrinsic), and related innervation. Larynx vasculature. The laryngeal cavity) | Prof. M. Piagkou |
| Thursday 27/02  (11.00-12.00) | ***Respiratory system***  **The nose (**structure development, bones, cartilage, muscles, external nose, nasal cavity, paranasal sinuses, blood supply, and drainage) | Prof. M. Piagkou |
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| Tuesday 04/03  (10.00-12.00) | ***Respiratory system***  **Trachea** (Topography, division and Relations**,** tracheal bifurcation, Vascular Supply of the trachea, Innervation and Lymphatics)  **Bronchi** (Topographic relations, Bronchial Trees, Vascular supply, Innervation, and Lymphatics)Clinical considerations | Prof. M. Piagkou |
| Wednesday 05/03  (10.00-12.00) | ***Respiratory system***  **Lungs** (Topography and Relations, Segmentation, Lung Roots, and Hila, Vascular Supply and Innervation, Lymphatics) Clinical considerations | Prof. M. Piagkou |
| Thursday 06/03  (11.00-12.00) | ***Circulatory system***  (part I- Pulmonary and systemic circulation, coronary, cerebral, renal, and bronchial circulation) | Prof. M. Piagkou |
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| Tuesday 11/03  (10.00-12.00) | ***Anatomy of the Heart***  **Pericardium and the heart** (the heart position, surfaces, chambers, atria, ventricles, and valves, and surface projections of the valves) | Dr. G. Sofidis |
| Wednesday 12/03  (10.00-12.00) | ***Anatomy of the Heart***  (Heart development and congenital anomalies, Blood supply, Coronary arteries’ distributions, Coronary Veins, and Heart Innervation-intrinsic and extrinsic)  **The Conducting system** | Dr. G. Sofidis |
| Thursday 13/03  (11.00-12.00) | ***Circulatory system***  (part II-Vascular network and lymphatic vessels patterns) | Prof. M. Piagkou |
| Tuesday 18/03  (10.00-12.00) | ***Digestive System***  **Pharynx** (Development, Divisions, and Relationships, Myofascial Framework, Spaces, Lymphatic, Vascular and Neural supply) | Prof. D. Filippou |
| Wednesday 19/03  (10.00-12.00) | ***Digestive System***  **Esophagus** (Position, Division, Tissue composition, Sphincters, Compartments, and Spaces, Lymph, vessels, and Nerves) | Prof. D. Filippou |
| Thursday 20/03  (11.00-12.00) | ***Digestive System***  **Stomach** (part I- Development, Topography, and Relations, Stomach, and Peritoneum-Ligaments, Greater Omentum, Gastric divisions, Morphology of the stomach, gastric wall construction) | Prof. D. Chrysikos |
| Wednesday 26/03  (10.00-12.00) | ***Digestive System***  **Stomach** (part II-Lymphatics, Vascular, and neural supply)  **Duodenum** (parts, Topography, Relationships, Vascular supply, Lymphatics, and Innervation)  **Pancreaticobiliary structures** (papillae and sphincters)  **Pancreas** (Development, divisions, topography and relations, pancreatic ducts, papillae and sphincters, vascular supply, lymphatics, and innervation)  **Spleen** (Development, topography, and relations, surface and borders, segmental anatomy, spaces, peritoneum and ligaments, vascular supply, lymphatics, and neural supply) | Prof. D. Chrysikos |
| Thursday 27/03  (11.00-12.00) | ***Digestive System***  **Jejunum, and ileum** (Topography and Surgical Anatomy, Vascular supply, and Innervation)  **The mesentery**  **The Ileocecal valve**  **The Meckel’s Diverticulum** | Dr. Tampakis |
| Tuesday 01/04  (10.00-12.00) | ***Digestive System***  **Appendix** (topography, positions, and relations, morphology, vascular supply, and innervation) | Dr. Tampakis |
| Wednesday 02/04  (10.00-12.00) | ***Digestive System***  **Liver** (part I, development, congenital anomalies, topography and location of the liver, peritoneal reflections, perihepatic spaces, lobes, and segments, intrahepatic architecture,hepatic vasculature, intrahepatic biliary system, lymphatics, and neural supply of the liver) | Dr. S. Delis |
| Thursday 03/04  (11.00-12.00) | ***Digestive System***  **Extrahepatic biliary tract, and gallbladder** (embryology, congenital anomalies, extrahepatic triad and hepatic veins, blood vessels, aberrant hepatic arteries, hepatic portal vein, extrahepatic biliary tract, cystic duct, gallbladder divisions, vessels, lymphatics, and nerves) | Dr. S. Delis |
| Tuesday 08/04  (10.00-12.00) | ***Digestive System***  **Large Intestine and Anorectum** (Colon topographic anatomy and relationships, Vascular and Lymphatic Supply, and Innervation) | Prof. D. Chrysicos |
| Wednesday 09/04  (10.00-12.00) | ***Digestive System***  **Colon** segments and related vascular and neural supply, Ascending colon, Hepatic flexure, transverse colon, splenic flexure, transverse mesocolon, descending and Sigmoid colon and related vascular and neural supply) | Prof. D. Chrysicos |
| Thursday 10/04  (11.00-12.00) | ***Digestive System***  **Rectum, and anal canal** (peritoneal reflections, pelvic diaphragm, continence, fascial relations, tissue spaces, the mesorectum, and related vascular supply, lymphatics, and innervation) Clinical considerations | Prof. D. Chrysicos |
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| Tuesday 29/04  (10.00-12.00) | ***Digestive System***  **Anorectum** (embryology, anatomy of the anal sphincters and pelvic floor, the musculature, the defecation mechanism, the pudendal canal, and related vascular and neural supply) | Prof. D. Chrysicos |
| Wednesday 30 /04  (10.00-12.00) | ***The urogenital system***  **The kidneys, and ureters** (development, congenital anomalies,kidneys’ topography, and relations, position, vascular supply, and innervation. The ureters’ narrowings, ureteric walls, vascular supply, lymphatics, and innervation) | Prof. D. Chrysikos |
| Thursday 01/05  (11.00-12.00) | ***The urogenital system***  **The urinary bladder** (development, congenital anomalies, topography, relations, prevesical space of Retzius and bladder’s ligaments, retrovesical space, vascular supply, lymphatics, and innervation of the bladder) | Prof. D. Chrysikos |
| Tuesday 06/05  (10.00-12.00) | ***The male genital system***  ***Testis, epididymis, and Spermatic cord*** (Development, Descent of gonads, and congenital anomalies)  Testis, epididymis, Spermatic cord anatomy, fasciae, vascular suppllymphatics, and innervation | Prof. D. Chrysikos |
| Wednesday 07 /05  (10.00-12.00) | ***The male genital system***  **The scrotum** (layers, vascular supply, and innervation)  **The seminal vesicles** (development, topography, morphology, vascular and neural supply)  **The ejaculatory ducts** (development, and topography)  **The prostate** (topographic anatomy and relations, prostatic urethra, surfaces, Fascia of Denonvilliers, capsules of the prostate, vascular, lymphatics, and neural supply) | Prof. D. Chrysikos |
| Thursday 08/05  (11.00-12.00) | ***The male genital system***  **Male urethra** (development, topographic anatomy, urethra walls, parts of urethra-prostatic membranous, and penile urethra, vascular supply, and innervation)  **Penis** (development, congenital anomalies, topography, coverings, vascular supply with emphasis on veins, and innervation) | Prof. D. Chrysikos |
| Tuesday 13/05  (10.00-12.00) | ***The female genital system***  **Ovaries** (Development, Congenital anomalies, topography, relations, ligaments, vascular supply, lymphatics, and innervation) | Prof. M. Piagkou |
| Wednesday 14/05  (10.00-12.00) | ***The female genital system***  **Uterine tubes** (Development, Congenital anomalies, topography, relations, division, vascular supply, lymphatics, and innervation)  **Uterus** (Development, congenital anomalies, topography, relations, uterine cavity, uterine relations with pelvic peritoneum, endopelvic fasciae, ligaments of uterus and cervix, vascular supply, lymphatics, and innervation) | Prof. M. Piagkou |
| Thursday 15/05  (11.00-12.00) | ***The female genital system***  **Vagina** (development, congenital anomalies, topography and relations, vascular supply, lymphatics, and innervation)  **Vulva** (development, congenital anomalies, topography, and relations, features, vascular supply, lymphatics, and innervation) | Prof. M. Piagkou |
| Tuesday 20/05  (10.00-12.00) | ***The female genital system***  **Female urethra** (development, congenital anomalies, topography and relations, female continence mechanism-sphincters, endopelvic fascia, pelvic floor muscles, vascular supply, lymphatics, and innervation) | Prof. M. Piagkou |
| Wednesday 21/05  (10.00-12.00) | ***The Lymphatic system*** *(development, lymph vessels, lymph organs, capillaries, lymph nodes, functions, and congenital anomalies)* | Prof. M. Piagkou |
| Thursday 22/05  (11.00-12.00) | **The thyroid gland** (development, congenital anomalies, topography, and morphology relations, vascular supply, lymphatics, and innervation  **The adrenal (suprarenal) glands** (development, congenital anomalies, topography, and morphology relations, vascular supply, lymphatics, and innervation | Prof. D. Chrysikos |
| Tuesday 27/05  (10.00-12.00) | ***The autonomic Nervous system***  *(structure, division, ganglia, related organs, and functions)* | Prof. T. Demesticha |
| Wednesday 28/05  (10.00-12.00) | ***Demonstration on Virtual Dissection Tables-Anatomage*** | Prof. D. Chrysikos |
| Thursday 29/05  (11.00-12.00) | ***Demonstration on Virtual Dissection Tables-Anatomage*** | Prof. D. Chrysikos |
| Tuesday 03/06  (10.00-12.00) | ***Demonstration on Virtual Dissection Tables-Anatomage*** | Prof. D. Chrysikos |
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| Wednesday 04/06  (10.00-12.00) | ***Revision*** | Prof. M. Piagkou |
| Thursday 05/06  (11.00-12.00) | ***Revision*** | Prof. M. Piagkou |