



**“CAROL DAVILA” UNIVERSITY
OF MEDICINE AND PHARMACY BUCHAREST**
Faculty of Dentistry
Dental Medicine in English



DISCIPLINE GRID

1. Programme:

1.1.	CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST
1.2.	FACULTY OF DENTISTRY / 1st DEPARTMENT
1.3.	DIVISION: ANATOMY
1.4.	STUDY DOMAIN: Health, sectoral regulated within European Union
1.5.	STUDY LEVEL: LICENCE
1.6.	STUDY PROGRAMME: DENTAL MEDICINE IN ENGLISH

2. Discipline:

2.1.	DISCIPLINE NAME: ANATOMY II						
2.2.	LOCATION: Faculty of Medicine, Eroilor Sanitari Blvd., basement						
2.3.	Lectures tenure: Prof. Rusu Mugurel Constantin						
2.4.	Practical classes tenure: Lecturer Radu Constantin Ciuluvică, Teaching Assistant Bichir Cătălina						
2.5. Study year	I	2.6. Semester	II	2.7. Evaluation	Exam	2.8. Type of discipline	CD/FD

3. Estimated total time (hours/semester)

No. hours/week	7	out of which	Lectures: 3	Laboratory sessions: 4
Total hours out of learning schedule	98	out of which	Lectures: 42	Laboratory sessions: 56

Time distribution	hours
Textbook study, lecture support, bibliography and notes	56
Supplementary documentation activity in the library, on online platforms	-
Practical activity support material, homework, portfolio and essays	16
Tutorial activity	-
Examinations	5
Other activities	-
Total hours of individual study	77
Total hours per semester	175
Credits	7

4. Preconditions

4.1. curriculum	basic biology notions (the composition and fundamental functions of the human body)
4.2. proficiencies	

5. Conditions

5.1. for lecture activity	<p>Mobile phones will be switched off. It is forbidden for students to leave the classroom. Delays for students will not be tolerated. The date of the colloquy/oral exam/preliminary exam/collocutional exam is announced at the beginning of the semester and requests for deferrals will not be accepted, except for justified reasons. Attendance at the course is mandatory, being accepted a maximum of 20% absences from the total number of courses.</p>
5.2. for laboratory activity	<p>Mobile phones will be switched off. It is forbidden for students to leave the classroom. Delays for students will not be tolerated. Attendance at laboratory session/ tutorial classes/ practical works/ practical courses complies with the University Code of the student's rights and obligations. Recovery of absences is allowed in accordance with the University Code of the student's rights and obligations. The date of the partial exam/midterm will be announced at the beginning of the semester and requests for deferrals will not be accepted, except for justified reasons. The evaluation of the practical notions will be taken in the last week of the semester from the topic of the practical works/ curriculum displayed in advance</p>

6. Accumulated skills

6.1. Proficiencies (knowledge and abilities)	<ul style="list-style-type: none"> • Mastering anatomical terminology. • Student acquisition of an adequate medical language. • The student's acquisition of theoretical and practical notions of individual anatomical elements and complex structures (organ and apparatus systems). • Proper management of exploration maneuvers and dissection techniques of normal anatomical structures. • Descriptive and topographic recognition of the anatomical elements of the human body. • The ability to correlate knowledge of descriptive anatomy with live morphological exploration and notions of radio-anatomy. • The ability to correlate notions of topographic anatomy with some concepts of medical semiology.
6.2. Transversal skills (role, professional and personal development)	<ul style="list-style-type: none"> • Concern for professional development by training critical thinking skills demonstrated through active participation in the course and laboratory session/ tutorial classes/ practical works/ practical courses or projects; • Involvement in scientific research activities by participating in the elaboration of papers, studies, specialized articles.

7. Objectives (based on the grid of acquired specific skills)

7.1. General Objective	<p>Knowledge of the elements of descriptive and topographic anatomy of all components of the human body. Knowledge of the regions and spaces of the human body on axial (head, neck, trunk) or appendicular (limbs) segments within the topographic anatomy. Knowledge of the complex morphology of organ and apparatus systems. Morphological exploration on the prepared pieces (corpse) and on the macroscopic anatomical sections. Mastering international anatomical terminology (anatomical nomination).</p>
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7.2. Specific Objectives	<p>Knowledge and understanding of anatomical elements.</p> <p>Recognition of all anatomical elements.</p> <p>Knowledge of the relationships between the different anatomical elements.</p> <p>Study of topographic regions and sectional anatomy.</p> <p>It is proposed that at the end of the course students be able: through practical study of the corpse and various anatomical preparations, through the study of imaging anatomy, by understanding and deepening the notions of clinical anatomy and by correlating theoretical data with those of applied anatomy, to achieve a solid anatomical training, necessary during the university period, which is indispensable for the future dentist.</p>
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8. Content

8.1. Lectures	No. hrs/topic	Teaching method	Obs.
1. Cranial nerves (II, IV, V, VI, VII, IX, X, XI, XII). Apparent origin. Trajectory. Distribution.	3	Interactive presentation of the material according to the analytical program, using multimedia resources, powerpoint presentations, didactic films, specific software.	
2. Maxillary nerve. Mandibular nerve.	3		
3. Extracranial carotid arteries. Veins of head and neck.	3		
4. Temporomandibular joint: general description, non-muscular components, vessels, innervation	3		
5. Masticatory muscles	3		
6. Oral cavity (I)	3		
7. Oral cavity (II)	3		
8. Anatomy of Parotid Gland	3		
9. Pharynx. Larynx. Cervical Trachea. Thyroid Gland.	3		
10. The Cervicothoracic Region.	3		
11. The Axilla. Regions of the Arm.	3		
12. Cubital Fossa. Regions of the Forearm. Anatomical passages at the neck of the hand.	3		
13. Mediastinum. Elements of pleuropulmonar anatomy.	3		
14. Elements of cardiopericardic anatomy.	3		

8.2 Laboratory Sessions	No. hrs/topic	Teaching method	Obs.
1. Making cranial nerve schemes (NC: III, IV, V, VI, VII, IX, X, XI, XII).	4	Checking the students' theoretical knowledge about the current work, proving by the student the knowledge of the dissection method, evaluating the way each student works. Verification of the student's practical knowledge by identifying macroscopic anatomical elements on cadaveric parts, macroscopic anatomical preparations, sections,	
2. Schemas of maxillary and mandibular nerves.	4		
3. Extracranial carotid system. Cephalocervical venous system. Study on preparations/images/schemes. Realization of specific schemes.	4		
4. Temporomandibular joint - Structure. Non-muscular components. Vascularization. Innervation. Realization of specific schemes.	4		
5. Muscles of Neck.	4		
6. Anatomy of Tongue.	4		
7. Vascularization and innervation of the face, oral cavity, teeth. Perioral muscles.	4		
8. Descriptive anatomy of the facial nerve.	4		
9. Colloquium	4		
10. Presentation/demonstration of vascular layers in the cervicothoracic region. Subclavian vessels.	4		
11. Dissection of axilla and arm.	4		

12. Anatomical schemas – according to the lectures	4	anatomical and imaging plates.	
13. Pleural dome. Diagram of the pulmonary pedicles. Diagram of the azygos system. Diagram of the intrathoracic aorta. Diagram of superior vena cava. Diagram of the cord.	4		
14. Practical exam.	4		

8.3. Bibliography for lectures and laboratory/practical sessions

Bibliography for lectures and laboratory/practical sessions

The updated course and practical works notes for the respective academic year according to the curriculum (electronic format: * .pdf) uploaded on the online education university platform.

Anatomy atlases:

Netter FH, Hansen JT, Lambert DR. Netter's clinical anatomy. 1st ed. Carlstadt, N.J.: Icon Learning Systems; 2005.

Netter FH. Atlas of human anatomy. 5th ed. Philadelphia, PA: Saunders/Elsevier; 2010.

Rohen JW, Yokochi C, Lütjen-Drecoll E. Color atlas of anatomy: a photographic study of the human body. Wolters Kluwer Health/Lippincott Williams & Wilkins Baltimore; 2011.

Gray H, Standring S, Anand N, Birch R, Collins P, Crossman A, et al. Gray's anatomy: the anatomical basis of clinical practice. 41 ed. London, UK: Elsevier; 2016.

Snell RS. Clinical Anatomy by Regions. 9th ed. 2011: Wolters Kluwer Health/Lippincott Williams & Wilkins.

9. Corroborating the contents of the discipline with the expectations of epistemic community representatives, professional associations and employers in the fields representative for the program

The discipline corresponds to the ARACIS standard specific to the field of Dentistry.

The content of the discipline is corroborated with the “Profile and competences of the European dentist”.

Accumulation of anatomical knowledge necessary to complete the university curriculum and to define as a future dentist.

Evaluation

10.1 Evaluation			
Activity type	Evaluation Criteria	Methods of evaluation	% out of final grade
Lecture	<p>A. Knowledge for mark 5: - 30 correct grids</p> <p>B. Additional knowledge for mark 10 6 correct grids value 1 point</p>	<p>Grid Exam: 30 single answer grids + 30 grouped answers grids</p> <p>Continuous assessment: grid test (30 grids, 15 single-answer type, 15 grouped type, 30 minutes) from the material taught in the first 8 weeks of the semester</p>	<p>60%</p> <p>The 30 grid test is worth clearing the subject if students score > 5.00. The grid test grade <u>is not reflected in the final semester grade.</u></p>
Laboratory Sessions	<p>A. Knowledge for mark 5: - identification of 50% of the barem</p> <p>B. Additional knowledge for mark 10 - complete identification of the barem</p>	<p>Practical assessment</p> <p>Individual practical exams are carried out during the last week of the semester.</p> <p>The practical check is compulsory. The result is reflected in the final grade.</p>	<p>40%</p>
Minimum performance standards			
<p>1. Knowledge of anatomical terminology.</p> <p>2. Recognize the anatomical elements that make up the human body and the relationships between them.</p>			

Date:

Chair of Anatomy Division,
Prof.Dr.Dr.Mugurel Rusu

**Date of the approval in
Department Board:**

Department director,
Prof.Dr.Marina Imre