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

3. Estimated total time (hours/semester)

No. hours/week	**6**	out of which	**Lectures: 2**	**Laboratory session: 4**
Total hours out of learning schedule	**84**	out of which	**Lectures: 28**	**Laboratory sessions: 56**

Time distribution	**hours**
Textbook study, lecture support, bibliography and notes	36
Supplementary documentation activity in the library, on online platforms	10
Practical activity support material, homework, portfolio and essays	16
Tutorial activity	-
Examinations	4
Other activities	-
Total hours of individual study	**66**
Total hours per semester	**150**
Credits	**6**

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	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.
5.2. for laboratory activity	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

6. Accumulated skills

6.1. Proficiencies ***(knowledge and abilities)***	● 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)***	● 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. ● Efficient use of information sources, communication resources and assisted professional training (Internet portals, specialized software applications, databases, online courses, etc.) ● Recognition of the normal anatomical element and evaluation of its participation in a pathological condition, or being an anatomical support of any non-invasive exploratory act (CT, MRI) or invasive (surgical act).

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

7.1. General Objective	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).
7.2. Specific Objectives	Knowledge and understanding of anatomical elements. Recognition of all anatomical elements. Knowledge of the relationships between the different anatomical elements. Study of topographic regions and sectional anatomy. 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.

8. Content

8.1. Lectures	**No. hrs/topic**	**Teaching method**	**Obs.**
1. Skull generalities. Composition of the skull bones.	2	Interactive presentation of the material according to the analytical program, using multimedia resources, powerpoint presentations, didactic movies, specific software.	
2. Skull as a whole: Norma frontalis, Norma verticalis, Norma occipitalis.	2		
3. Norma lateralis. Temporal fossa.	2		
4. Endocalvaria. Endobase – anterior cranial fossa.	2		
5. Endobase – middle cranial fossa.	2		
6. Endobase – posterior cranial fossa.	2		
7. Exobase – lateral part of occipital bone, inferior surface of the petrous part of temporal bone	2		
8. Exobase – TMJ surfaces of the temporal bone, roof of infratemporal fossa, pterygoid process.	2		
9. The Nasal Fossae	2		
10. The Infratemporal Fossa	2		
11. The Pterygopalatine Fossa	2		
12. Maxillary Bone and Sinus	2		
13. External configuration of mandible	2		
14. Canals of the maxillary bone and mandible	2		

8.2. Laboratory Sessions	**No. hrs/topic**	**Teaching method**	**Obs.**
1. Bones of Skull – presentation/drawing/demonstration	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,	
2. Presentation/drawing/demonstration – norma frontalis, norma verticalis, norma occipitalis.	4		
3. Presentation/drawing/demonstration – normal lateralis, temporal fossa	4		
4. Presentation/drawing/demonstration – anterior cranial fossa	4		
5. Presentation/drawing/demonstration – middle cranial fossa	4		
6. Presentation/drawing/demonstration – posterior cranial fossa	4		
7. Presentation/drawing/demonstration – exobase (I)	4		
8. Presentation/drawing/demonstration – exobase (II)	4		
9. The orbit – osseous anatomy.	4		
10. Colloquium - degrevation	4		
11. Presentation/drawing/demonstration – infratemporal and pterygopalatine fossae	4		

12. Presentation/drawing/demonstration – descriptive anatomy of maxillary bone	4	macroscopic anatomical preparations, sections, plates.	
13. Presentation/drawing/demonstration – descriptive anatomy of mandible	4		
14. Practical exam.	4		

8.3. 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.

Drake, R., Vogl, A. W., Mitchell, A. W., Gray's Anatomy for Students Flash Cards E-Book, Elsevier Health Sciences (2019).

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	**A. Knowledge for mark 5:** - 30 correct grids **B. Additional knowledge for mark 10** 6 correct grids value 1 point	**Grid Exam: 30 single answer grids + 30 grouped answers grids** **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**	60% The 30 grid test is worth clearing the subject if students score > 5.00. The grid test grade is not reflected in the final semester grade.
Laboratory Sessions	**A. Knowledge for mark 5:** - identification of 50% of the barem **B. Additional knowledge for mark 10** - complete identification of the barem	**Practical assessment** **Individual practical exams are carried out during the last week of the semester.** **The practical check is compulsory.** **The result is reflected in the final grade.**	40%
Minimum performance standards			
1. Knowledge of anatomical terminology. 2. Recognize the anatomical elements that make up the human body and the relationships between them.			

Date:
02.09.2024

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

Date of the approval in Department Board:

Department director,
Prof.Dr.Marina Imre