

FIȘA DISCIPLINEI

1. Date despre program

1.1 Instituția de învățământ superior	UNIVERSITATEA DE MEDICINA SI FARMACIE "VICTOR BABEȘ" TIMIȘOARA
1.2 Facultatea	FACULTATEA DE MEDICINĂ-FACULTATEA DE MEDICINĂDENTARĂ FACULTATEA DE FARMACIE
1.3 Departamentul	I
1.4 Domeniul de studii de..... ¹⁾	Licență/Sănătate
1.5 Ciclul de studii ²⁾	Licență
1.6 Programul de studii/ Calificarea	MD

2. Date despre disciplină

2.1. Denumirea disciplinei	FUNCTIONAL MORPHOLOGY OF STOMATOGNATHIC SYSTEM/ MORFOLOGIA FUNCTIONALA A SISTEMULUI STOMATOGNAT- sectia engleza							
2.2 Titularul activităților de curs	1. Poz.30, S.L. Dr.Crăciunescu Emanuela Lidia							
2.3 Titularul activităților de laborator	1. Poz.30, S.L. Dr.Crăciunescu Emanuela Lidia, 2. Poz.32, Asist. Drd. Hajaj Tareq							
2.4 Anul de studiu	I	2.5 Semestrul	II	2.6 Tipul de evaluare	Examen	2.7 Regimul disciplinei	Conținut ³⁾	DS
							Obligativitate ³⁾	DI

3. Timpul total estimat (ore pe semestru al activităților didactice)

3.1 Număr de ore pe săptămână	6	3.2 din care: curs	2	3.3 laborator	4
3.4 Total ore din planul de învățământ	84	3.5 din care: curs	28	3.6 laborator	56
Distribuția fondului de timp					ore
Studiul după manual, suport de curs, bibliografie și notițe					50
Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate și pe teren					22
Pregătire seminarii/ laboratoare/ proiecte, teme, referate, portofolii și eseuri					15
Tutoriat					0
Examinări					4
Alte activități					0
3.7 Total ore studiu individual	87				
3.8 Total ore pe semestru	175				
3.9 Numărul de credite⁵⁾	7				

4. Precondiții (acolo unde este cazul)

4.1 de curriculum	Anatomy of head and neck
4.2 de competențe	Not the case

5. Condiții (acolo unde este cazul)

5.1 de desfășurare a cursului	<ul style="list-style-type: none"> • Telephone conversations are not tolerated during the course. Delay of students at the course will not be tolerated, as it proves to be disruptive to the educational process. Mandatory attendance is required, a maximum of 30% absences being accepted in the course. • Final exam programing is made by the teacher in accordance with the students' needs. There won't be accepted any delay requests, excepting well motivated or special situations. The maximim number of abcenses is 30%.
5.2 de desfășurare a seminarului/ laboratorului/ proiectului	<ul style="list-style-type: none"> • Mandatory attendance is required, a maximum of 15% absences being accepted in the course. Redeeming of the absences can be made according to the schedule, in agreement with the group assistant and course teacher, after paying the appropriate fee. • The delay of students in the laboratory is not accepted as it may disturb the educational process. • Throughout the course of the practical work, mobile phones will be shut down during. Moreover, students leaving the work room for personal phone calls is not accepted. • Tests during the semester are announced in advance according to the program and the corresponding bibliography. • In the activities of the practical work, it is necessary to perform the necessary requirements and the marking of each stage done.

	<ul style="list-style-type: none"> The practical exam will be from the bibliography, in the last week of the semester. Requests for postponement will only be accepted for justified reasons.
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6. Competențe specifice acumulate

Competențe Profesionale	<ol style="list-style-type: none"> 1. Development of medical vocabulary used in dental practice. 2. Identification of dental morphology in primary and deciduous dentition. 3. Knowledge about development, anatomy and function of dental maxillary system. 4. Identifying the importance of morpho-functional restoration of dental arches. 5. Practical application of the acquired knowledge
Competențe transversale	<ol style="list-style-type: none"> 1. Identification of the objectives to be achieved, the available resources, the conditions for their completion, the stages of work, the working times, the related implementation deadlines and the related risks. 2. Identify roles and responsibilities in a multidisciplinary team and apply effective relationship and work techniques within the team and in relation to the patient. 3. Effective use of information resources, communication resources and assisted training (Internet websites, specialized software applications, databases, on-line courses, etc.) both in Romanian and in an international language.

7. Obiectivele disciplinei (reieșind din competențele specifice acumulate)

7.1 Obiectivul general al disciplinei	<ol style="list-style-type: none"> 1. The importance of the study of the stomatognathic system in dental training. Filogenesis and ontogenesis of the components of the SS and the study of their functional morphology. 2. The study of the components of the oral cavity. 3. The functions and parafunctions of the SS. 4. Secondary morphology of the anatomical components of the SS. 5. Static and dynamic cranio-mandibular relations 6. Primary and secondary morphology of teeth.
7.2 Obiectivele specifice	<ol style="list-style-type: none"> 1. Developing skills in modeling the teeth morphology through different methods.

8. Conținuturi

8.1 Curs	Metode de predare	Număr de ore	Observații
1. The importance of the study of the stomatognathic system in dental training. The definition of the stomatognathic system (SS). The stomatognathic system as an open cybernetical system. The occlusal sense, stereognosis, topognosis, projection and perception. The terms of normal and morphologic variant. The significance of teeth.	<ul style="list-style-type: none"> • Interactive oral lecture with Powerpoint presentation structured in accordance with the topic displayed, with clear and suggestive images. • In Powerpoint presentations, specific images, schedules and classifications of the lectures topic • During the lecture, students will be asked questions about the course material. • During the course, case presentations will be introduced for the most effective presentation of the theoretical notions into practice • At the beginning of each course the educational objectives of the course will be presented, and in conclusion the presentation summary will be presented in order to better define the notions presented 	2	The bibliography is available at the Discipline of Dental Technology and Dental Materials also the ebooks and other internet sources.
2. The stomatognathic system in the context of the face. Topographical terms and the terminology used in the study of the SS (anatomic		2	

landmarks and planes, facial indexes and measurements, dento-alveolar dimensions and indexes).			
3. Filogenesis of the SS. SS in fish, batrachians, reptiles, birds, mammals (herbivores, rodents, insectivores, carnivores, primates). The basic features of the SS in humans.		2	
4. Ontogenesis of the SS. The development of the branchial apparatus, of the face, the palate and the tongue. The ontogenetic development of teeth. Congenital maxillo-facial anomalies. Congenital anomalies of the teeth.		2	
5. The bony parts of the SS.		2	
6. The mobilizing muscles of the mandible. The muscles of the tongue. The articulations of the SS. The temporo-mandibular joint. The oro-facial muscles. The muscles of the tongue. The salivary glands and the saliva. The structure of the salivary glands. The parotid, sublingual and submandibular glands. Minor salivary glands. The saliva: composition and functions.		2	
7. The oral cavity. General aspects. Limits and walls. The oral mucosa.		2	

The tongue. Introduction to the clinical intraoral exam..			
8. Organum dentale. Odontium (enamel, dentine, pulp). Periodontium (cementum, alveolar bone, periodontium, gingiva).		2	
9. Dental eruption. The eruption of deciduous teeth. The eruption of permanent teeth. Types of eruption. The deciduous teeth. The role of the temporary dentition. Morphological and structural features of the deciduous teeth. Physiologic root resorption.		2	
10. The dental arches. The deciduous dental arches. The dental arches in mixed dentition. The dental arches in primary morphology (shape, axial position of teeth, contact areas, embrasures, curves of occlusion).		2	
11. Biomechanics of the SS. Force generation in the SS. The up taking, distribution and amortization of forces within the SS. The periodontal up taking, distribution and amortization of forces. Cranio-facial resistance structures.		2	
12. Secondary morphology of the parts of the SS. Secondary morphology of the upper jaw, of the mandible and of the temporomandibular joint. Secondary morphology of the dental arches.		2	

Dental abrasion. Modification of the dental tissues, periodontium, salivary glands, skin and oral mucosa.			
13. Static cranio-mandibular relations: the rest position, centric relation, miocentric position, the occlusion. The position of maximum inter-cuspidation , habitual occlusion. Dynamic cranio-mandibular relations: movements in the saggital, frontal and horizontal plane.		2	
14 The functions of the SS. Sucking and chewing. Speech. Physiognomy. Breathing. Self-maintenance. Parafunctions		2	
Bibliografie obligatorie: 1. The DentoMaxillary System. Morphology, Physiology and Occlusion - Mihai Romînu, Cosmin Sinescu, Sorin Uram-Țuculescu, Curs Lito UMF Timișoara, 1998 2. Introduction to the Functional Morphology of the Stomatognathic System- Mihai Romînu, Zeno Florița, Roxana Moldovan, Sorin Lakatos, Meda Negruțiu, Cosmin Sinescu, Curs Lito UMF Timișoara, 20013. 3. Prezentari Power Point- cursuri			
Bibliografie facultativă: 1. Atlas animat 3D- multimedia			
8.2 Seminar/ Laborator/stagiu/ proiect	Metode de predare-învățare	Număr de ore	Observații
1.Organisatoric and administrative aspects. Introduction in the study of dental morphology. Common features of the crowns and roots.	Each laboratory starts with a sustained oral lecture with Powerpoint presentations in accordance with the topics displayed. • A practical demonstration, conducted by the instructors for each laboratory stage, is carried out in each training session, according to the displayed schedule. • Presentation and realization of the methods dedicated to perform the morphology • Presentation of various clinical cases related to dental morphology.	4	
2. Theoretical notions regarding the frontal superior and inferior teeth. Common features of the frontal		4	

teeth. Individual features of the frontal teeth. Guided plaster carving (2/1) of the upper right central incisor. Identification of human extracted teeth			
3. Guided plaster carving (2/1) of the upper right central incisor - completion. The elements of the occlusal surface. Common and individual characters of the upper and lower premolars		4	
4. Guided plaster carving (2/1) of the upper right first premolar. Identification of human teeth		4	
5. Guided plaster carving (2/1) of the upper right premolar - completion. Common and individual characters of the upper molars. Identification of human teeth.		4	
6. Guided wax carving (1/1) of the upper right first molar. Common and individual characters of the lower molars		4	
7. Guided wax carving (1/1) of the first lower molar. Identification of natural teeth		4	
8. Guided wax carving (1/1) of the lower first molar - completion.		4	
9. Anterior occlusal		4	

relations. Lateral occlusal relations. Wax addition: theoretical notions, armamentarium, technique. Wax up of an arch segment (one half of an arch) at a 1/1 scale.			
10. Wax up of an arch segment (one half of an arch) at a 1/1 scale - continued.		4	
11. Wax up of an arch segment (one half of an arch) at a 1/1 scale – continued.		4	
12. Wax up of an arch segment (one half of an arch) at a 1/1 scale - continued.		4	
13. Wax up of an arch segment (one half of an arch) at a 1/1 scale - continued.		4	
14. Wax up of an arch segment (one half of an arch) at a 1/1 scale – finalizing and practical exam.		4	
Bibliografie obligatorii: 1. The DentoMaxillary System. Morphology, Phisiology and Occlusion - Mihai Romînu, Cosmin Sinescu, Sorin Uram-Țuculescu, Curs Lito UMF Timișoara, 1998 2. Introduction to the Functional Morphology of the Stomatognathic System- Mihai Romînu, Zeno Florița, Roxana Moldovan, Sorin Lakatos, Meda Negruțiu, Cosmin Sinescu, Curs Lito UMF Timișoara, 20013. 3.Prezentari Power Point- cursuri si lucrari practice Bibliografie facultativă: 1.Atlas animat 3D- multimedia			

9. Coroborarea conținuturilor disciplinei cu așteptările reprezentanților comunităților epistemice, asociațiilor profesionale și angajatori reprezentativi din domeniul aferent programului

The student is familiar with the current specialty terminology, diagnosis and orientation towards a treatment plan based on patient expectations. Taking into account the fact that in future practice he will encounter various clinical cases the student needs to know the dental morphology, physiological development and function of dental maxillary system. Thus the student acquires complex information, skills and knowledge, which will allow him to meet the current requirements in accordance with the European educational and professional standards. In order to update the content of the subject, as well as the teaching / learning methods, the teachers participate in national and international specialty congresses. For a better professional development in the case of students interested in the research activity, they have the opportunity to be co-opted in the Students' Scientific Circle having the opportunity to work under the direct guidance of the teaching staff of the discipline of Propedeutics and Dental Materials, and then the results obtained can be disseminated through active participation in the national student scientific sessions.

10. Evaluare

Tip activitate	10.1 Criterii de evaluare	10.2 Metode de evaluare	10.3 Pondere din nota finală
10.4 Curs	<p><i>Minimum knowledge for achieving the passing grade 5:</i> Knowledge about basic morphology and function of dento-maxillary system, definitions and classification of dentition and dental eruption.</p> <p><i>Maximum knowledge for achieving the grade 10:</i> Detailed knowledge about the development of dental-maxillary system, anatomy, static and dynamical relations, definitions, morphological pathology, types of occlusion, definitions of intermaxillary relations.</p>	The condition for passing the exam is represented by minimum 50% of the total and maximum considered score of the multiple choice test.	The grade from the theoretical exam represents 60% of the final grade. The presence and activity during the lecture represents 10% of the final grade.
10.5 Laborator/Stagiu	<p>The practical exam consists in natural tooth identification, chosen by random and plaster or wax modelling of a human permanent tooth</p> <p><i>Minimum knowledge for achieving the passing grade 5</i> – the student identifies half of the total number of natural teeth and performs plaster/wax modelling respecting all morphological details</p> <p><i>Maximum knowledge for achieving the grade 10</i> – the student identifies all natural teeth, argumenting the identification and performs plaster/wax modelling respecting all morphological details</p>	The presentation for the practical exam is conditioned by the participation to minimum 85% of the laboratories and the accomplishment of all practical activities during the semester.	Practical activity during the semester and practical exam represents 30% of the final grade.
10.6 Standard minim de performanță			
Knowledge about specific dental morphology, understanding the mechanism of development of dental maxillary system and its function.			

Data completării 23.10.2018	Semnătura titularului de curs S.L. Dr. Crăciunescu Emanuela Lidia	Semnătura titularului de laborator/stagiu S.L. Crăciunescu Emanuela Lidia..... 2 Asist. Drd. Hajaj Tareq.....
Semnătura șefului de disciplină Prof. Univ. Dr. Romînu Mihai.....		
Data avizării în departament	Semnătura directorului de departament Prof. Univ. Dr. Angela Codruța Podariu	

