

CHART OF DISCIPLINE/ SYLLABUS

1. Study Program Data

1.1 High Education Institution	UNIVERSITY OF MEDICINE AND FARMACY V. BABES TIMISOARA
1.2 Faculty	DENTAL MEDICINE
1.3 Department	II
1.4 Study Domain ¹⁾	DENTAL MEDICINE
1.5 Cycle Studies ²⁾	Bachelor
1.6 Study programme/ Qualification	DENTAL MEDICINE

2. Course Data

2.1.Course/Department	ALTERNATIVE THERAPIES							
2.2 Course tutor	Lecturer Dr. Ruxandra Luca							
2.3 Practical activity tutors	Lecturer Dr. Ruxandra Luca							
2.4. Year of study	VI	2.5 Semester	I	2.6 Assessment	Oral Examinati on	2.7 Course rank	Content ³⁾	DS
							Mandatory /Compulsory ³⁾	DFA

3. Duration/Estimated Time (number of hours/ semester of teaching activity)

3.1 Number of hours/ week	2	3.2 lecture/course	1	3.3 laboratory	1
3.4 Total hours of curriculum	28	3.5 lecture/course	14	3.6 laboratory	14
Time distribution for course activities					hours
Study support- manuals, lectures, references and notes					2
Additional documentation – library, dedicated platforms from domain					1
Documentation for seminars/ practical activity/ projects, themes, portfolios and essays					1
Tutoring					
Assessment					1
Other activities					
3.7 Total number of hours for individual study	5				
3.8 Total number of hours per semester	33 (1 credit = 25 hours)				
3.9 Number of credits ⁵⁾	1				

4. Preconditions (if applicable and requested)

4.1 Courses- studied curriculum / rules for attending the course	Generalities of diagnosis and investigations methods in Dental Medicine
4.2 Practical activities/seminars/projects studied curriculum, basic skills/ rules for attending the course	Is not the case

5. Condition (if applicable and requested)

5.1 Courses	Mobile phones will be closed during classes, telephone conversations are not tolerated during the course, nor do students leave the classroom for personal phone calls; It will not be tolerated the delay of students in the course as it proves to be disruptive to the educational process; The attendance at the course is mandatory, with a maximum of 30% absences accepted.
5.2 Laboratory/practical activity/ project	Mobile phones will be closed throughout the laboratories, not being tolerated; phone calls during the lab or students leaving the classroom to take over personal telephone calls; The students' lag will not be tolerated as it proves disruptive to the educational process; Presence at the laboratory is mandatory, with a maximum of 15% absences being accepted; Reimbursements can be made in the last week

	<p>of each semester in agreement with the group assistant after paying the appropriate fee (except for medical cases);</p> <p>The dates for the support of seminars in the subject matter and the final exam are determined by the student in agreement with the students.</p> <p>Applications for postponement will not be accepted for reasons other than a legitimate objective;</p> <p>Promotion of the practical exam is mandatory in order to promote the final exam.</p>
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6. Key competencies and basic skills

Professional Competencies	<ol style="list-style-type: none"> 1. Acquiring topical notions of alternative therapies that can be used in the diagnosis and treatment of oral cavity disorders and their integration into conventional treatments in order to improve the quality of treatment 2. Ability to integrate topical alternative therapies into dental medicine into the diagnosis and treatment plan
Transversal Competencies	<ol style="list-style-type: none"> 1. Identifying roles and responsibilities in a multidisciplinary team and applying effective relationship and work techniques within the team to facilitate future interdisciplinary collaborations 2. Effective use of information sources and communication resources and assisted training (Internet portals, specialized software applications, databases, on-line courses, etc.) both in Romanian and in an international language 3. Identifying the objectives to be achieved, the resources available, the conditions for completion, the working steps, the working times, the related implementation deadlines and the related risks 4. Initiation of scientific research activities in the pathogenesis of different diseases and their connections with dental medicine

7. Disciplines/Course objectives (based on the key competences)

7.1 Disciplines/Course general objectives	<p>The lecture “Alternative therapies” is designed for VIth year Dental medicine students and its purpose is to implement alternative technologies employed in this field of work, some with clinical applicability and some that are appropriate for scientific research. The lecture contains techniques employed in every branch of dental medicine, techniques which can be used both for diagnostic and treatment of some diseases in the orofacial area. The alternative techniques mainly used in dental medicine are: techniques based on the natural fluorescence of the tooth (QLF, Diagnodent), Laser Doppler, Optical Coherence Tomography (OCT), LASER, LIPUS, ozone, photodynamic therapy.</p>
7.2 Disciplines/Course specific objectives	

8. Content

8.1 Course	Teaching method	Number of hours	Notification
1. Alternative techniques for the diagnosis of diseases in the dental-periodontal sphere; Techniques based on natural tooth fluorescence (QLF, Diagnodent); Evaluation of pulp microcirculation using Laser Doppler	<ul style="list-style-type: none"> • Oral lecture supported by structured, interactive Powerpoint presentations, according to the theme, accompanied by a rich and suggestive iconography 	1	
2. Alternative techniques for the diagnosis of diseases in the dental-periodontal sphere; Optical Coherence Tomography (OCT)		1	
3. Alternative techniques in preventive dental medicine - Ozone; laser		1	

4. Alternative techniques in odontology; Kinetic Cavity Preparation (KCP);	<ul style="list-style-type: none">• The informative material is continuously adapted to the latest information in the field of dental medicine• Each course presents the educational objectives at the beginning and ends with the summary of the notions presented.	1	The optional bibliography for MD specialization is available for consultation at the Headquarters of the Oral Rehabilitation and Dental Emergency Discipline		
5. Alternative techniques in odontology; Preparation of laser cavities		1			
6. Alternative techniques in endodontics, Ozone, photodynamic therapy		1			
7. Alternative techniques in endodontics, laser in endodontics		1			
8. Alternative techniques in periodontics, a photodynamic therapy		1			
9. Alternative techniques in periodontics, laser in periodontics		1			
10. Alternative techniques in oral surgery, radiosurgery, electric scalpel		1			
11. Alternative techniques in surgery, laser surgery		1			
12. Alternative techniques in orthodontics, Laser		1			
13. Alternative techniques in dental prosthesis - Laser; Ozone		1			
14. Alternative techniques in dental prosthetics - optical coherence tomography (OCT). Alternative techniques to stimulate healing and modification of cellular metabolism, stimulation of low intensity ultrasound (LIPUS - Low Intensity Pulsed Ultrasound Stimulation) Laser Biomodulation		1			
Mandatory references: 1. Andreas Moritz. Oral Laser Application. Ed. Quintessence, 2006					
Optional references: 1. Aldo Brugnera et colab. Atlas of Laser Therapy Applied to Clinical Dentistry. Ed. Quintessence, 2006.					
8.2 Seminars/ Laboratory/practical activity/ projects		Teaching-learning, methods		Number of hours	Notification
1. Presentation of equipment available for diagnosis at the Department of Oral Rehabilitation and Emergency in Dental Medicine	PowerPoint presentations and interactive discussions Presentations of materials and instruments; Practical demonstrations	1	The optional bibliography for MD specialization		
2. Presentation of equipment available for diagnosis at the Department of Oral Rehabilitation and Emergency in Dental Medicine		1			
3. Presentation of equipment available for diagnosis at the Department of Oral Rehabilitation and Emergency in Dental Medicine		1			
4. Presentation of equipment available for diagnosis at the Department of Oral Rehabilitation and Emergency in Dental Medicine		1			
5. Presentation of equipment available for diagnosis at the Department of Oral Rehabilitation and Emergency in Dental Medicine		1			
6. Presentation of equipment available for soft tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1			

7. Presentation of equipment available for soft tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	n is available for consultation at the Headquarters of the Oral Rehabilitation and Dental Emergency Discipline
8. Presentation of equipment available for soft tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	
9. Presentation of equipment available for soft tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	
10. Presentation of equipment available for soft tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	
11. Presentation of equipment available for hard tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	
12. Presentation of equipment available for hard tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	
13. Presentation of equipment available for hard tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	
14. Presentation of equipment available for hard tissue at the Department of Oral Rehabilitation and Dental Emergencies in Medicine		1	
Mandatory references: 1. Andreas Moritz. Oral Laser Application. Ed. Quintessence, 2006 Optional references: 1. Aldo Brugnera et colab. Atlas of Laser Therapy Applied to Clinical Dentistry. Ed. Quintessence, 2006.			

9. Correlations between the content of the course and the requirements of the professional field and relevant employers

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10. Assessment

Activity	10.1 Assessment criteries	10.2 Assessment methods	10.3 Percentage of the final grade
10.4 Course	<i>Knowledge for grade 5</i> <i>Knowledge for grade 10</i>	The student will be assessed through a grid exam	50 %
10.5 Practical activity/ seminar	<i>Knowledge for grade 5</i> <i>Knowledge for grade 10</i>	Presentation of a paper on a topic set by the seminar leader.	50%
10.6 Minimum performance standard-basic knowledge			
Sensitizing the students towards other therapies used in Dental Medicine, compared with conventional therapies employed over years of study.			

Date 25.04.2023	Signature of the course holder Lecturer Dr. Ruxandra Luca	Signature of the laboratory/seminar holder Lecturer Dr. Ruxandra Luca
Signature of the Head of Discipline		
Date of approval in the Department 25.04.2023	Signature of the Head of Department Prof. Univ. Dr. Silviu Brad	

Notes:

- 1) Domeniul de studii - *se alege una din variantele:* Licență/ Masterat/ Doctorat (se completează conform cu Nomenclatorul domeniilor și al specializărilor/ programelor de studii universitare în vigoare) ;
- 2) Ciclul de studii - *se alege una din variantele:* Licență/ Master/ Doctorat;
- 3) Regimul disciplinei (conținut) - *se alege una din variantele:* **DF** (disciplină fundamentală)/ **DD** (disciplină din domeniu)/ **DS** (disciplină de specialitate)/ **DC** (disciplină complementară) - *pentru nivelul de licență*; **DAP** (disciplină de aprofundare)/ **DSI** (disciplină de sinteză)/ **DCA** (disciplină de cunoaștere avansată) - *pentru nivelul de masterat*;
- 4) Regimul disciplinei (obligativitate) - *se alege una din variantele:* **DI** (disciplină obligatorie)/ **DO** (disciplină opțională)/ **DFac** (disciplină facultativă);
- 5) Un credit este echivalent cu 25 – 30 de ore de studiu (activități didactice și studiu individual).

*nr de ore de studiu individual (punctul 3.7.)= nr total ore (nr credite X 25) minus nr. ore din planul de învățământ (punctul 3.4) – ore alocate pentru examinări. Aceste ore se împart între

Studiul după manual, suport de curs, bibliografie și notițe	
Documentare suplimentară în bibliotecă, pe platformele electronice de specialitate și pe teren	
Pregătire seminarii/ laboratoare/ proiecte, teme, referate, portofolii și eseuri	
Tutoriat	

- 6) Pentru specializările și/sau disciplinele a căror tematică se regăsește în bibliografia de rezidențiat, aceasta devine obligatorie.