„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Internal medicine**					
Didactic function, name and surname of the course holder	**Lecturer PhD Munteanu Alice**					
Didactic function, name and surname of the laboratory holder	**Lecturer PhD Munteanu Alice**					
The discipline code	**DM 3.5.1**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**4**	Of which course hours	**1**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**42**	Of which course hours	**14**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**100**		

Distribution of Time	**58 hours**
1. Deciphering and studying course notes	10
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	10
4. Additional documentation in the library	0
5. Specific training activity seminar and / or laboratory	5
6. Achievement homework, reports, essay, translations etc	0
7. Preparation of control papers	5
8. Preparation of oral presentations	2
9. Preparation of final exam	10
10. Consultations	2
11. Documentation on the field	2
12. Documentation on the Internet	2

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Internal medicine**		
Professional competences specific to the discipline	Identifying the disease state and establishing the correct diagnosis of the disease through daily activity at the patient's bedside*; respiratory, cardiovascular, digestive, renal, hematological and endocrine-metabolic diseases will be studied in depth; designing and implementing a therapeutic plan appropriate to the disease by assuming responsibilities. Applying appropriate prophylaxis measures after correctly assessing the risk factors of individual or collective disease risk; Acquiring scientific and/or training study and research capabilities in the field of internal medicine. Approaching health/disease problems from the perspective of the particularities of the community, in direct relation to the social, economic and/or cultural conditions specific to that community.		
Transversal competencies	Students • learn to develop their teamwork skills • optimally and creatively capitalize on their own potential in collective activities • learn, inform themselves, communicate throughout their lives • know how to respect and contribute to the development of moral values and professional ethics. • know the essential problems of the community, have respect for diversity and multiculturalism, get involved in volunteering activities		
The general objective of the discipline	Acquiring the general principles of clinical, diagnostic and therapeutic approach in the main internal diseases; Stimulating the capacities of understanding, evaluation, analysis and synthesis, clinical connections for establishing a correct positive diagnosis and appropriate therapeutic measures; Acquiring an appropriate medical language; Acquiring communication, teamwork, ethical and deontological behavior.		
The specific objective of the discipline	Approaching patients according to medical pathology, recognizing, ranking, and interpreting the main symptoms of the disease. Knowledge of anamnesis and clinical examination techniques, paraclinical explorations for internal diseases. Acquiring and performing various medical procedures and maneuvers. Formation of normal, ethical attitudes to work with patients. Capacity for understanding, analysis and synthesis, evaluation, teamwork.		
ESCO competencies 2261	Interprets medical examination results. Complies with clinical guidelines. Interacts with healthcare users. Contributes to continuity of care. Uses e-health and m-health technologies		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, describes, and evaluates etiopathogenic mechanisms, clinical and paraclinical manifestations, and diagnostic and treatment principles specific to medical conditions, with particularities for dentistry/dental medicine.	The student/graduate recognizes and differentiates the general health and/or disease status of patients who are to undergo dental treatments. Demonstrates, adapts, and integrates the theoretical notions and practical skills necessary for assessing disease status,	The student/graduate correctly assesses and determines patients' capacity to benefit from (tolerate) dental treatments, in relation to their general health status. Plans, applies, and coordinates, under appropriate supervision, integrated medical

		using specific clinical and paraclinical methods and techniques.	interventions, assuming responsibility and collaborating interdisciplinarily.

The content of the course – Analytical Syllabus	**No. hours**
1 Acute bronchitis. Chronic bronchitis. Pulmonary emphysema. COPD. Bronchial asthma.	2
2 Lung abscess. Bronchiectasis. Pneumonia.	2
3 Pleurisy. Lung cancer.	2
4 Primary and secondary arterial hypertension. Painful and painless ischemic heart disease. Acute coronary syndromes.	2
5 Mitral and aortic valvulopathies. Infective endocarditis	2
6 Rhythm and conduction disorders. Heart failure. Pericardial diseases. Cardiopulmonary resuscitation.	2
7 Esophagitis. Acute gastritis. Peptic ulcer. Gastric cancer. Inflammatory bowel diseases. Colon cancer.	2
8 Pancreatitis. Pancreatic cancer. Chronic hepatitis. Liver cirrhosis. Liver cancer.	2
9 Acute glomerulonephritis. Chronic glomerulonephritis. Urinary tract infections	2
10 Acute renal failure. Chronic renal failure.	2
11 Kidney stones. Renal vascular diseases	2
12 Hematological diseases - anemia, platelet diseases.	2
13 Malignant hemopathies - leukemia, malignant lymphomas.	2
14 Endocrine - metabolic diseases: diabetes mellitus, hypothyroidism, hyperthyroidism, adrenal metabolic syndrome, Addison's disease.	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. Hours**
1 General clinical observation sheet - presentation, important editing; representation of the main clinical parameters: pulse, BP, temperature, diuresis. Presentation of the blood collection technique for performing the hemogram, ESR, biochemical tests, normal values, interpretation, - urine collection: urine summary, urine culture, antibiogram - interpretation of the analysis report.	2
2 Subjective and objective clinical elements in respiratory diseases. Radiological explorations in respiratory system pathology (radioscopy, radiography, CT, MRI) - technique, indications, diagnosis of the main diseases. Ventilatory functional tests - technique, indications, interpretation of PFV - obstructive, restrictive, mixed diseases. Sputum examination: normal cultures and on special media. Invasive explorations in bronchopulmonary pathology: bronchoscopy with biopsy, pleural biopsy puncture, pulmonary mediastinoscopy.	2
3 Emergencies in respiratory pathology - acute COPD, bronchial asthma crisis, acute respiratory failure. Therapeutic means: antibiotics, bronchodilator medication, corticosteroids, cytostatics, pleural drainage, radiotherapy, surgical treatment, lung transplantation.	2
4 Approach to the patient with cardiovascular diseases. Clinical elements. Paraclinical explorations in cardiovascular pathology. Electrocardiogram - technique, indications, interpretation. Important cardiopulmonary radiography, aspects in, arterial hypertension, valvulopathies, pericarditis, heart failure. Cardiac echography - important as a non-invasive means, normal and pathological aspects in M, 2D, Dopplerspectral and color mode, assessment of contractile function: FE, FS. Invasive explorations = coronary angiography, cardiac catheterization.	3
5 HTA - diagnosis, hypotensive therapeutic classes; hypertensive emergencies. Mitral and aortic	2

valvulopathies, clinical diagnosis, imaging, medical and surgical therapeutic means. Infective endocarditis - diagnosis, prophylaxis, antibiotic therapy, surgical treatment. Painful ischemic cardiopathy - diagnosis of angina pectoris, acute coronary syndromes; medical therapy, percutaneous angioplasty, surgical treatment. Rhythm and conduction disorders - clinical aspects, EKG, therapeutic classes.	
6 Left-sided heart failure, right-sided heart failure, congestive heart failure - clinical and paraclinical diagnosis, NYHA clinical classes, therapeutic means, heart transplantation. Cardiopulmonary resuscitation - clinical aspect, mechanisms of production; treatment: Basic Life Support; Advanced Life Support.	2
7 Approach to the patient with digestive diseases; recognition of emergencies in digestive pathology, hospitalization criteria. Paraclinical explorations in digestive pathology; abdominal ultrasound, lower and upper digestive endoscopy, radiological explorations, CT, MRI with contrast medium; liver biopsy puncture: indications, contraindications, technique, diagnosis of the main changes in liver diseases.	2
8 Approach to the patient with renal diseases, recognition of emergencies in renal pathology, hospitalization criteria. Renal-urinary ultrasound, urography - indications, normal and pathological aspects in urinary system diseases. Interpretation of urine summary reports. urine culture, antibiogram. Recognition of symptoms and clinical signs of acute and chronic renal failure. Therapeutic measures in renal diseases: dialysis, renal transplantation - indications	2
9 Clinical approach to the patient with hematological diseases. Clinical examination in anemic, hemorrhagic syndromes, in those with adeno-splenomegaly. Paraclinical explorations in hematological diseases: hemogram, bone marrow aspiration, medullogram, coagulogram. Prescription and monitoring of anticoagulant treatment Criteria for admission of patients with hemopathies; therapeutic measures, blood transfusion	2
10 Acute posthemorrhagic anemias. Iron deficiency anemias. Megaloblastic anemias. Hemolytic anemias. Interpretation of the hemogram in anemias.	2
11 Vascular hemorrhagic syndromes, platelets Hereditary and acquired coagulopathy. Procoagulant syndromes	2
12 Clinical and hematological recognition of lymphoproliferative and myeloproliferative syndromes	2
13 Diabetes mellitus, complications. emergencies: diabetic coma, hypoglycemic coma. Blood glucose monitoring, TTGO, glycated hemoglobin. Hypothyroidism, hyperthyroidism - thyrotoxic crisis; Cushing's syndrome. Addison's disease.	3
Minimal bibliography	
Course support 2025-2026	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The concepts taught in the course and the practical works of the discipline are based on current national and international specialized literature, and an attempt is made to standardize them according to the latest Romanian and European diagnostic and therapeutic guides; thus, the content of the discipline is corroborated with the expectations of representatives of the epistemic community, professional associations and representative employers in the health field.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Two-hour course in which medical pathology topics are presented in the form of

	oral lectures, graphic projections in Power Point, case presentations, and interactive discussions.
Laboratory	Clinical activity at the patient's bedside; practical exemplification for acquiring knowledge of the subject matter. The acquisition of knowledge of anamnesis, correct clinical examination, requesting and interpreting paraclinical explorations to establish a correct positive diagnosis, differential diagnosis, therapeutic measures is practiced in an interactive setting. The emphasis is on communication techniques with patients, elements of professional ethics and deontology, teamwork. Practical diagnostic and treatment data in respiratory, cardiovascular, digestive, renal, hematological and endocrine-metabolic pathology will be standardized according to diagnostic and therapeutic guidelines.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
Anamnesis, correct objective clinical examination Interpretation of hematological, biochemical, microbiological analysis reports Criteria for hospitalization of patients Recognition of signs of medical emergencies Correct completion of the general clinical observation sheet Interpretation of an X-ray, simple electrocardiograms Writing a prescription

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**60 %**
- the final answer at the practical exam at laboratory	**20 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**20 %**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: The written exam consists of a 30-question multiple-choice test from the subject matter taught in the course and represents 60% of the final grade. The practical exam will be held with members of the department staff. Admission to the practical exam is made upon meeting the minimum number of activities that must be performed by the student. Passing the practical exam is a mandatory condition for admission to the final examination.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
● The minimum score for the practical exam must be 5; ● To satisfactorily solve a clinical case; ● To know the main concepts; ● To have a simple but correctly used medical language	● The student must have a minimum grade of 8 on the practical exam ● Has a complex medical language through which he proves a good ability to coherently and rationally express clinical data; ● Knows and correctly uses the studied notions and concepts; ● Correctly solves difficult clinical problems based on correlations and connections, differential diagnosis; ● Has studied internal medicine courses in depth, has gone through the mandatory and additional recommended bibliography.

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THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Dermatovenerology**					
Didactic function, name and surname of the course holder	**Lecturer PhD Mușetescu Alina**					
Didactic function, name and surname of the laboratory holder	**Lecturer PhD Mușetescu Alina**					
The discipline code	**DM 3.5.2**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**4**	Of which course hours	**1**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**42**	Of which course hours	**14**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**100**		

Distribution of Time	**58 hours**
1. Deciphering and studying course notes	10
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	10
4. Additional documentation in the library	10
5. Specific training activity seminar and / or laboratory	2
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	2
8. Preparation of oral presentations	0
9. Preparation of final exam	10
10. Consultations	0
11. Documentation on the field	2
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	2
15. Other activities	0

The name of the course	**Dermatovenerology**		
Professional competences specific to the discipline	Knowledge of the theoretical and practical concepts provided in the analytical program of the discipline regarding the diagnosis and treatment of dermatovenereological diseases Knowledge about the prophylaxis and post-therapeutic period of dermatovenereological diseases included in the course program		
Transversal competencies	• teamwork skills, • oral and written communication skills, • respect and development of professional values and ethics, • openness to lifelong learning		
The general objective of the discipline	Accumulation of medical knowledge about the main dermatovenereological diseases in order to recognize, establish therapeutic conduct and prophylaxis of these diseases		
The specific objective of the discipline	Knowledge of oral manifestations of dermatovenereological diseases.		
ESCO competencies 2261	Interprets medical examination results. Complies with clinical guidelines. Interacts with healthcare users. Contributes to continuity of care. Uses e-health and m-health technologies		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, describes, and evaluates etiopathogenic mechanisms, clinical and paraclinical manifestations, and diagnostic and treatment principles specific to medical conditions, with particularities for dentistry/dental medicine.	The student/graduate recognizes and differentiates the general health and/or disease status of patients who are to undergo dental treatments. Demonstrates, adapts, and integrates the theoretical notions and practical skills necessary for assessing disease status, using specific clinical and paraclinical methods and techniques.	The student/graduate correctly assesses and determines patients' capacity to benefit from (tolerate) dental treatments, in relation to their general health status. Plans, applies, and coordinates, under appropriate supervision, integrated medical interventions, assuming responsibility and collaborating interdisciplinarily.

The content of the course – Analytical Syllabus	**No. hours**
1 Noţiuni generale despre anatomia, fiziologia, biochimia şi histologia pielii. Leziuni elementare. Particularităţi ale mucoasei bucale.	2
2 Infecţii bacteriene ale pielii (stafilococii, streptococii, tuberculoză, lepră, antrax). Infecţii virale ale pielii (degenerative, proliferative, herpes, zona zoster) Aftoze. Micoze (epidermomicoza, pilomicoza, onicomicoza, candidoze)	2
3 Dermatoze eritematoscuamoase(psoriazis, eczematide). Lichen plan. Ulcer de gambă	2
4 Boli alergice (urticarie, edem Quincke, eczemă, dermită de contact, reacţii alergice la medicamente, dermita atopică. Eritem polimorf. Sindrom seboreic. Acnee	2
5 Boli autoimune (lupus eritematos, sclerodermie, dermatomiozită, sindrom Sjogren. Afecţiuni buloase (pemfigus, dermatită herpetiformă, pemfigoid bulos, pemfigusul cicatriceal al mucoaselor)	2
6 Boli cu transmitere sexuală(sifilis, infecţii gonococice, infecţia cu Trichomonas, infecţia cu	2

Chalmydia. Aspecte cutanate ale infecţiei HIV.	
7 Leziuni precanceroase (keratoze actinice, leucoplazie, nevi). Tumori benigne (veruca seboreică, keratoacantom, adenom seboreic, chist, fibrom, lipom, angiom). Tumori maligne (epiteliom bazocelular, epiteliom spinocelular, melanom malign). Metastaze cutanate.	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1 Notions of skin semiology. Elementary lesions. Lesions of the oral mucosa	2
2 Clinical dermatological examination. Diagnostic methods in dermatology	2
3 Pyoderma (streptococci, staphylococci) clinical aspects, clinical cases, bacteriological examination, sampling/interpretation, local treatment, prophylaxis. Cutaneous viruses, clinical and therapeutic aspects (local treatment in shingles) electrocoagulation technique and cryotherapy in proliferative viruses	2
4 Cutaneous mycoses. Clinical aspects, mycological examination (harvesting/interpretation), fungigram. Clinical cases.	2
5 Psoriasis/eczematides. Clinical aspects, types of local therapy in psoriasis, occlusive dressing, PUVA therapy. Lichen planus, clinical aspects (lesions of the oral and genital mucosa). Clinical cases.	2
6 Leg ulcer. Clinical aspects, therapy, types of local dressings. Clinical cases.	2
7 Allergic diseases. Clinical aspects, allergological investigations (prick test, standard patch tests. Clinical cases. Allergic reactions to local anesthetics (clinical, treatment investigations).	2
8 Seborrheic syndrome. Clinical aspects, phototype, skin types, skin pH investigation, skin care methods, masks, peeling, comedone therapy. Clinical cases.	2
9 Autoimmune diseases. Lupus, scleroderma, dermatomyositis, clinical aspects, laboratory investigations. Clinical cases.	2
10 Bullous diseases. Pemphigus, dermatitis herpetiformis, bullous pemphigoid. Clinical aspects, local therapy, cytodiagnosis. Clinical cases. Bullous diseases of the oral mucosa (clinical, local treatment).	2
11 Sexually transmitted diseases. Syphilis, gonococcal infection, Trichomonas infection, and Chlamydia. Clinical aspects, serological examination in syphilis (interpretation), bacteriological examination in gonococcal infection (Giemsa smear and interpretation). Clinical cases. Dentition in congenital syphilis	2
12 Sexually transmitted diseases. Laboratory examination in Trichomonas infection. Methods of preventing sexually transmitted diseases. Epidemiological investigation in sexually transmitted diseases. Counseling in sexually transmitted diseases	2
13 Precancerous lesions. Benign and malignant skin tumors. Clinical aspects. Biopsy sampling technique (punch biopsy and surgical excision). Clinical cases. Precancerous lesions in the oral mucosa	2
14 Benign and malignant skin and oral mucosa tumors. Laser therapy, principles, indications, use in skin tumors. Clinical cases.	2
Minimal bibliography	
Course support 2025-2026	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The content of the discipline is consistent with that taught at other university centers in the country and abroad; In developing the discipline, the most important theoretical and practical achievements in the field were taken into account.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Power point
Laboratory	Presentation of clinical cases (cases from the pathology presented in the course), cases from general dermato-venereological pathology Discussions on clinical cases. Presentation of techniques and treatment methods specific to dermato-venerology

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
To participate in the final assessment of practical work, the following is required: - Full attendance at the work - participation/presentation of at least 2 clinical cases (elementary lesions, diagnosis and treatment) - performance of one of the presented practical maneuvers To participate in the final exam, the following is required: - attendance at the practical work - passing grade for the work.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- the final answer at the practical exam at laboratory	**10 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**10 %**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Written work (descriptive and test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
Positive diagnosis of a dermatovenereological disease, symptoms and clinical forms of a dermatovenerological disease	Acquisition of specific skills (positive diagnosis, treatment of dermatovenerological diseases)

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THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Infectious diseases; Epidemiology**					
Didactic function, name and surname of the course holder	**Lecturer PhD Cîrciumaru Bogdan**					
Didactic function, name and surname of the laboratory holder	**Lecturer PhD Cîrciumaru Bogdan**					
The discipline code	**DM 3.5.3**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**4**	Of which course hours	**1**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**42**	Of which course hours	**14**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**100**		

Distribution of Time	**58 hours**
1. Deciphering and studying course notes	10
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	10
4. Additional documentation in the library	5
5. Specific training activity seminar and / or laboratory	5
6. Achievement homework, reports, essay, translations etc	5
7. Preparation of control papers	5
8. Preparation of oral presentations	2
9. Preparation of final exam	2
10. Consultations	2
11. Documentation on the field	2
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Infectious diseases; Epidemiology**		
Professional competences specific to the discipline	Knowledge and appropriate use of concepts specific to the discipline of infectious diseases. Use of general and particular methods for exploring different apparatuses and systems. Identification of the main infectious diseases based on clinical, epidemiological, paraclinical criteria. Correct assessment of the risk of disease and selection and application of appropriate prophylaxis measures. Interpretation and analysis of risk factors in order to choose effective prevention/prophylaxis measures.		
Transversal competencies	Identifying roles and responsibilities in a multidisciplinary team and applying effective communication and work techniques within it. Promoting an environment focused on ethical, professional values and the desire for knowledge. Participating in activities that contribute to professional development (collaborating in the development of scientific articles, making case presentations, etc.). Efficient use of assisted professional training resources (specialty portals, databases, online courses, etc.).		
The general objective of the discipline	Diagnosis and treatment of infectious diseases		
The specific objective of the discipline	Acquiring notions regarding the epidemiological process, prevention and control of infectious diseases (with respiratory, digestive, cutaneous entry points, etc.).		
ESCO competencies 2261	Interprets medical examination results. Complies with clinical guidelines. Interacts with healthcare users. Contributes to continuity of care. Uses e-health and m-health technologies. Manages infection control in the unit. Provides informed consent counseling to healthcare users. Provides treatment strategies for human health challenges.		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, describes, and evaluates etiopathogenic mechanisms, clinical and paraclinical manifestations, and diagnostic and treatment principles specific to medical conditions, with particularities for dentistry/dental medicine. The student/graduate identifies, appropriately assesses, and analyzes the influence of the natural and social environment on the health status of the human organism, with particularities for dentistry/dental medicine.	The student/graduate recognizes and differentiates the general health and/or disease status of patients who are to undergo dental treatments. Demonstrates, adapts, and integrates the theoretical notions and practical skills necessary for assessing disease status, using specific clinical and paraclinical methods and techniques. The student/graduate identifies, evaluates, and interprets social, cultural, and environmental factors that contribute to maintaining	The student/graduate correctly assesses and determines patients' capacity to benefit from (tolerate) dental treatments, in relation to their general health status. Plans, applies, and coordinates, under appropriate supervision, integrated medical interventions, assuming responsibility and collaborating interdisciplinarily. The student/graduate educates patients regarding the etiology and prevention of oro-maxillo-facial disorders.

		health or to the development of diseases.	

The content of the course – Analytical Syllabus	**No. hours**
1 i) Current concept in infectious diseases (epidemiology important component of the study of infectious diseases), current dynamics of infectious diseases. ii) Evolution of infections in the community: infection, infectious disease (communicable and non-communicable), tropical diseases, exotic diseases; reservoir of infection, source of infection, transmission routes, susceptibility to infection. Outbreak, epidemic, pandemic iii) Infectious diseases, biological weapons, bioterrorism	1
2 i) Main infectious agents (etiology of infectious diseases; virulence, pathogenicity) ii) The body's response to the presence of etiological agents; ways of completing the infectious agent-human host relationship.	1
3 i) Protective measures (General) ii) Immunity (classification) iii) National vaccination program	1
4 Antibiotics and chemotherapeutics, serums and vaccines, anti-inflammatory medication	1
5 Septicemia/sepsis, bacteremia, acute bacterial endocarditis, infectious shock	1
6 Meningitis, encephalitis	1
7 i) Streptococcal infections: angina, scarlet fever, erysipelas. Necrotizing fasciitis ii) Childhood diseases (Measles. Rubella, Mumps, Chickenpox, Herpes zoster, Infectious megalerythema, Sudden exanthema, Infectious mononucleosis)	1
8 Diphtheria, Whooping cough, Tetanus. DTP vaccination	1
9 Acute diarrheal disease – etiology, pathogenesis, hydroelectrolytic rebalancing. Foodborne toxicoinfections. Botulism. Typhoid and paratyphoid fever	1
10 Enteroviruses. Poliomyelitis. Antipolio vaccination	1
11 Acute viral hepatitis (A, B, C, D, E). Vaccination against hepatitis B	1
12 Zoonoses (I): Rabies. Rabies prophylaxis. Anthrax. Brucellosis. Leptospirosis. Rickettsiosis. Trichinosis. Trichinosis prophylaxis	1
13 i) Zoonoses (II): Leptospirosis. Rickettsiosis ii) Hemorrhagic fever. Ebola	1
14 HIV infection. National HIV/AIDS control program	1
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1 Protective measures in infectious disease departments	2
2 Identification of etiological agents	2
3 Diagnostic serological tests	2
4 Sensitivity/resistance of etiological agents to antibiotics and chemotherapeutics	2
5 Imaging diagnostics in infectious diseases	2
6 Exploration of immune function	2
7 Clinical examination of patients with infectious diseases	2
8 Collection of biological and pathological materials for the diagnosis of infectious diseases	2
9 Peculiarities of infectious diseases in children	2
10 Case presentations and discussions	10
Minimal bibliography	
Course support 2025-2026	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The thematic content of the discipline is current and is correlated with the needs of employers in the country and abroad, in the fields of health, health management, higher medical education, research

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Power Point presentation
Laboratory	Clinical internship, Case presentations

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
-interpretation of biochemical and serological test results - interpretation of imaging test results - interpretation of lumbar puncture results - explanation of antibiogram results and choice of antibiotics

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**40 %**
- the final answer at the practical exam at laboratory	**40 %**
- periodic testing by control papers	**5 %**
- continuing testing during the semester	**5 %**
- activiry like homework / reports / essay / translation / projects etc.	**5 %**
- other sctivity	**5 %**

Describe the practical ways of final assessment, E: Practical Individual Exam, Written work (test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• passing the practical exam • attendance at practical work (90%) • mandatory make-up of absences • mastering specialized terminology and using it in context appropriately • knowledge of diagnostic criteria for the main infectious diseases	• knowledge and explanation of the main pathogenic mechanisms of infectious diseases • explanation and interpretation of the theoretical and practical content of the discipline of infectious diseases in an interdisciplinary approach with other specialties: internal medicine, pediatrics, epidemiology, microbiology, virology, parasitology, immunology, imaging, pharmacology • knowledge of the principles of antibiotic treatment

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THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Orodental prevention I**					
Didactic function, name and surname of the course holder	**Prof. PhD Răescu Mihaela**					
Didactic function, name and surname of the laboratory holder	**Prof. PhD Răescu Mihaela**					
The discipline code	**DM 3.5.4**	The formative category of the discipline		**SD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**4**	Of which course hours	**2**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	Of which course hours	**28**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**100**		

Distribution of Time	**44 hours**
1. Deciphering and studying course notes	5
2. Study after textbook, course support	5
3. Study of the indicated minimum bibliography	5
4. Additional documentation in the library	1
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	1
7. Preparation of control papers	1
8. Preparation of oral presentations	1
9. Preparation of final exam	2
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	1
15. Other activities	0

The name of the course	**Orodental prevention I**		
Professional competences specific to the discipline	Knowledge of the prophylactic concept in dentistry, the role and importance of prevention methods in oro-dental pathology Specialist consultation Preventive oncological consultation Identification of bacterial plaque Education for sanitation		
Transversal competencies	Acquiring basic knowledge in the field of dental prevention; the evaluation methods of determining and favoring factors in the dentomaxillary disease, of diagnostic errors; quantification of health status Acquiring knowledge regarding sanitation methods according to clinical situations; patient education for dental prevention		
The general objective of the discipline	Acquiring basic knowledge in the field of dental prevention related to methods of preventing diseases of the dento-maxillary apparatus, diagnostic errors and quantifying the state of oral health.		
The specific objective of the discipline	Taking responsibility in the dental office by knowing the risk factors. Assessment of the risk of exposure to transmissible pathogens in dentistry. Adoption of clinical protocols regarding hand hygiene, instrument recycling, surface disinfection, instrument sterilization, handling of syringes and sharp instruments and waste handling.		
ESCO competencies 2261	Performs diagnostics of oral and dental conditions. Educates on disease prevention. Complies with quality standards for healthcare.		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate accumulates, describes, analyzes, and evaluates specialized knowledge regarding the structures of the dento-maxillary apparatus, as well as preventive diagnostic and treatment principles specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Introduction to preventive dentistry	1
2. Defining the stages of primary prevention	1
3. Infectious diseases that can be transmitted during dental procedures	1
4. Viral infections of the oral mucosa	1
5. Diseases caused by herpes viruses	1
6. HIV (human immunodeficiency virus) infection. Etiology. Epidemiology	1

7. HIV infection (human immunodeficiency virus). Medical aspects of HIV infection	1
8. Personal protection measures of the dental team	1
9. The objectives of infection control in the dental office	1
10. Partial examination	1
11. Physical methods of sterilization	1
12. Chemical methods of sterilization	1
13. Preventive measures taken in case of accidental exposures	1
14. Introduction to preventive dentistry	1
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. The ways of transmission of infections, the importance of infection control measures in the dental office; presentation of protective equipment (mask, gloves, glasses/shield, gown, cap)	1
2. Presentation of dental instruments - consultation kit	1
3. Recirculation of reusable instruments - preparation of instruments for sterilization: pre-washing-pre-cleaning, actual cleaning (ultrasonic, manual) - example; the disinfection process - the presentation of some commercial surface disinfectant products	1
4. The sterilization process: technique, devices, parameters, indications; presentation of sterilization devices (pupinel, autoclave)	1
5. Sanitizing products and the handling of sterile instruments	1
6. Clinical examination of the patient - presentation of the consultation form and its completion (personal data, examiner's name, address, evaluation of personal knowledge regarding dental hygiene)	1
7. Dental consultation; evaluation and completion of the dental status file	1
8. The identification of dental plaque by direct inspection and the argumentation of the need to color it for the education of oral hygiene in patients; presentation of the commercial forms of plate developers and how to use them	1
9. Approximate plate index (API) - definition, calculation method, interpretation; performing and calculating the API index for each student and entering its value in the consultation sheet	1
10. Post-accidental exposure to infection protocol for communicable diseases	1
11. Infection control in dental laboratories; decontamination methods; protective equipment	1
12. Means of handling toxic waste; storage, transport, treatment, sanitary rules	1
13. Decontamination of areas in a dental office	1
14. Practical exam	1
Minimal bibliography	
The support course of the discipline.2025-2026 Prevention in Clinical Oral Health Care by David P. Cappelli and Connie Chenevert Mobley, 2007 Oxford Handbook of clinical Dentistry by Bethany Rushworth and Anastasios Kanatas, 2020 Comprehensive Preventive Dentistry, Hardy Limeback, 2012	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
Oro-dental prevention is a priority for maintaining the health of patients and doctors by providing training on the application of asepsis/antisepsis methods. Students have the obligation to learn the complete protocols regarding the correct handling of the instruments used during dental treatments, with particularization of the preventive approach in the case of patients

contaminated with TB, HIV, HVB, HVC, etc.
Students will learn the methods of preventing infections with a high probability of transmission in the dental office and will be aware of the detection and monitoring of conditions with potential oncological risk, the dentist being the first to diagnose these premalignant lesions.
This medical branch is of major importance in the realization of the integrated therapy of oral-dental conditions, it must be addressed as a priority and brings together knowledge acquired in all the study disciplines of the dental university curriculum.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	The multimedia projection of the material according to the analytical program accompanied by interactive programmed education, in order to form the practical skills of the accumulated and acquired theoretical notions.
Laboratory	Working on dental simulators

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
• completing 2 consultation sheets, • instrument recognition, • instruments mode of use, • the standard protocol for meeting sanitary norms.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**50 %**
- the final answer at the practical exam at laboratory	**30 %**
- periodic testing by control papers	**10 %**
- continuing testing during the semester	**10 %**
- activity like homework / reports / essay / translation / projects etc.	**0 %**
- other activity	**0 %**

Describe the practical ways of final assessment, Written work (descriptive)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
- being present at practical trainings - promotion of periodic control works - the full answer to 2 subjects out of 4 in the written exam	- promotion of the practical exam - the correct answer to the final assessment - 4 subjects out of 4

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ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Radiology-medical imaging**					
Didactic function, name and surname of the course holder	**Lect.Phd. Cuzino Dragoș**					
Didactic function, name and surname of the laboratory holder	**PhD Coroescu Mirela**					
The discipline code	**DM 3.5.5**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**C**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**3**	Of which course hours	**1**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**42**	Of which course hours	**14**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**50**		

Distribution of Time	**8 hours**
1. Deciphering and studying course notes	1
2. Study after textbook, course support	1
3. Study of the indicated minimum bibliography	1
4. Additional documentation in the library	1
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	1
7. Preparation of control papers	1
8. Preparation of oral presentations	1
9. Preparation of final exam	1
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Radiology-medical imaging**		
Professional competences specific to the discipline	Formation of a system of knowledge specific to the field of radiology and medical imaging; Knowledge of the system of principles, methods, and means specific to medical imaging; Be able to analyze and practically, inter-disciplinaryly transpose the theoretical knowledge accumulated during the course; Acquire the ability to correlate the diversity of knowledge acquired during the course.		
Transversal competencies	Respect for the norms of ethics and professional deontology based on knowledge, skills and abilities acquired through the study discipline. Development of empathetic behavior and "helping orientation".		
The general objective of the discipline	Acquiring basic concepts regarding radiological investigation.		
The specific objective of the discipline	Theoretical and practical knowledge of the methodology of radiological imaging investigation of the human body.		
ESCO competencies 2261	Applies context-specific clinical skills. Works in multidisciplinary healthcare teams. Diagnoses anomalies of dentofacial structures.		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, describes, and evaluates etiopathogenic mechanisms, clinical and paraclinical manifestations, and diagnostic and treatment principles specific to medical conditions, with particularities for dentistry/dental medicine.	The student/graduate recognizes and differentiates the general health and/or disease status of patients who are to benefit from dental treatments. Demonstrates, adapts, and integrates the theoretical notions and practical skills necessary for assessing disease status, using specific clinical and paraclinical methods and techniques.	The student/graduate correctly assesses and determines patients' capacity to benefit from (tolerate) dental treatments, in relation to their general health status. Plans, applies, and coordinates, under appropriate supervision, integrated medical interventions, assuming responsibility and collaborating interdisciplinarily.

The content of the course – Analytical Syllabus	**No. hours**
1 Current imaging techniques: fluoroscopy, conventional radiography, computed tomography, magnetic resonance imaging, scintigraphy. Current imaging techniques: Echography, CT, MRI, Angiography, and endovascular treatment techniques.	2
2 Imaging of the head and neck, skull and facial mass	2
3 Respiratory system radiology: examination methods, analysis of a lung radiograph. Elementary radiological changes: opacities, hypertransparent, mixed images, pleural images, anatomoradiological variants. Acute lung diseases: Pulmonary tuberculosis: primary, secondary. Bronchopulmonary tumors. Mediastinal tumors	2
4 Radiology/Imaging of the heart and great vessels: the heart arches, the heart in valvular diseases, heart failure, normal and pathological pulmonary circulation, pericardial diseases	2
5 Normal and pathological imaging of the digestive tract: examination, dilatations, benign and malignant stenoses, esophageal varices, esophageal foreign bodies, stomach, duodenum, small intestine, colonic frame, rectum	2

6 Urinary and genital tract: simple renal radiography, urography, elementary changes, lithiasis, tumoral diseases	2
7 Radiological anatomy of the osteoarticular system Inflammatory osteoarticular, traumatic, tumoral, degenerative diseases, especially at the level of the head and cervical spine	2
The content of the laboratory	
1 Current imaging techniques: fluoroscopy, conventional radiography, computed tomography, magnetic resonance imaging, scintigraphy. Current imaging techniques: Echography, CT, MRI, Angiography, and endovascular treatment techniques.	4
2 Imaging of the head and neck, skull and facial mass	4
3 Respiratory system radiology: examination methods, analysis of a lung radiograph. Elementary radiological changes: opacities, hypertransparent, mixed images, pleural images, anatomoradiological variants. Acute lung diseases: Pulmonary tuberculosis: primary, secondary. Bronchopulmonary tumors Mediastinal tumors	4
4 Radiology/Imaging of the heart and great vessels: the heart arches, the heart in valvular diseases, heart failure, normal and pathological pulmonary circulation, pericardial diseases	4
5 Normal and pathological imaging of the digestive tract: examination, dilatations, benign and malignant stenoses, esophageal varices, esophageal foreign bodies, stomach, duodenum, small intestine, colonic frame, rectum	4
6 Urinary and genital tract: simple renal radiography, urography, elementary changes, lithiasis, tumoral diseases	4
7 Radiological anatomy of the osteoarticular system Inflammatory osteoarticular, traumatic, tumoral, degenerative diseases, especially at the level of the head and cervical spine	4
Minimal bibliography	
Course support 2025-2026	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The knowledge acquired during the course, combined with current domestic and international bibliography, gives students professional skills that allow them to make correlations between specialties and establish a diagnosis.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Power point presentation

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**70 %**
- periodic testing by control papers	**10 %**
- continuing testing during the semester	**10 %**
- activiry like homework / reports / essay / translation / projects etc.	**10 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Written work (test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• 6 correct answers out of 10 on the multiple choice test • Superficial basics.	• 10 correct answers to the multiple choice test • All theoretical concepts well mastered.

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THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Neurology**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Ciurea Jan**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Ciurea Jan**					
The discipline code	**DM 3.5.6**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**3**	Of which course hours	**1**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**42**	Of which course hours	**14**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**50**		

Distribution of Time	**8 hours**
1. Deciphering and studying course notes	1
2. Study after textbook, course support	1
3. Study of the indicated minimum bibliography	1
4. Additional documentation in the library	1
5. Specific training activity seminar and / or laboratory	1
6. Achievement homework, reports, essay, translations etc	1
7. Preparation of control papers	1
8. Preparation of oral presentations	1
9. Preparation of final exam	0
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Neurology**		
Professional competences specific to the discipline	Obtaining the ability to guide the diagnosis of neurological diseases and undertake therapeutic intervention measures		
Transversal competencies	Acquiring the skills to work in a multidisciplinary team; acquiring intercollegiate, doctor-patient, doctor-assistant communication skills; using information and communication technology, knowing the risks of prolonged or repeated exposure to wi-fi technology, making decisions in emergency medical situations, recognizing and respecting diversity and multiculturalism, while preserving authentic national values; perpetuating student status throughout one's professional life, in the sense of a permanent concern for knowledge, improvement, self-improvement; coping with Big Data; respecting and developing professional and academic values and ethics; acquiring the principles of professional and academic correctness.		
The general objective of the discipline	Understanding the anatomical, physiological and pathophysiological bases of neurological diseases, prevention and treatment measures.		
The specific objective of the discipline	1. Students' acquisition of general concepts of nervous system anatomy 2. The importance of the anamnesis in neurological diseases 3. Knowledge of the main stages of the neurological examination 4. Recognition of the main neurological emergencies 5. Understanding the role of paraclinical investigations in neurological diseases 6. Awareness of the psychosocial impact of neurological diseases.		
ESCO competencies 2261	Interprets medical examination results. Complies with clinical guidelines. Interacts with healthcare users. Contributes to continuity of care. Uses e-health and m-health technologies		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate describes, analyzes, and evaluates etiopathogenic mechanisms, risk factors, clinical and paraclinical manifestations, and diagnostic and treatment principles specific to neurological disorders, with particularities for dentistry/dental medicine.	The student/graduate demonstrates, interprets, and correctly uses clinical and paraclinical methods and techniques for diagnosing and evaluating neurological changes.	The student/graduate plans, integrates, and coordinates, under appropriate supervision, specific interventions for patients with neurological disorders.

The content of the course – Analytical Syllabus	**No. hours**
1 Introductory course. History of neurology. Anatomy and physiology of the neuron. Notions of molecular biology. Electrophysiology of the neuron. Organization of the central and peripheral nervous system.	1
2 Central motor neuron syndrome (CNM). Peripheral motor neuron syndrome (PMN). Extrapyramidal syndromes: anatomy, physiology, pathophysiology	1
3 Cerebellar syndrome – physiology, pathophysiology. Vestibular syndromes, physiology, semiology. Sensitive syndromes. Tabetic and syringomyelic type sensitivity dissociation.	1
4 Control paper: Organization and functioning of the nervous system.	1
5 Pathology of the peripheral nervous system. Plexitis, mononeuritis, polyradiculopathies.	1

6 Cranial nerves. Anatomy, physiology, pathogenesis, treatment.	1
7 Loss of consciousness crisis. Classification of epilepsies. Etiology, pathophysiology, types of epilepsy. Epilepsy as an entity and epileptic syndromes. Current treatment of epilepsy. Approach to blackout seizures.	1
8 Brain vascularization: anatomy and physiology. Strokes: risk factors and preventive measures. Strokes: ischemic, transient and established and hemorrhagic. Clinic, diagnosis, treatment. Stroke in young people. Cerebral venous thromboses. Stroke unit. Interventional neurology.	1
9 Neuroinfections. Types of neuroinfections; etiological, pathogenic factors, semiology, diagnosis, treatment	1
10 Craniocerebral and vertebrobasilar traumatisms. Incidence, pathogenesis, semiology, emergency treatment and neurorecovery. Neuroplasticity, neurogenesis, synaptogenesis, angiogenesis	1
11 Brain and spinal cord tumors. Intracranial hypertension syndrome - ICH: pathogenesis, semiology, treatment. Spinal cord tumors, semiology, therapeutic attitude	1
12 Encephalopathies. Comas, definition, pathogenesis, semiology, therapeutic approach	1
13 Acute respiratory failure of neurological cause. Pathology of the muscular system. Hereditary and acquired neuromuscular diseases.	1
14 Myasthenia. Myasthenic syndromes. Pathophysiology, semiology, treatment	1
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1 Anamnesis in neurology.	14
2 Paraclinical investigations in neurology	
3 Clinical neurological examination.	
4 Neurological syndromes (CNM, MPN, aphasia, apraxia, cranial neuropathies)	
5 Examination of the comatose patient	
6 Examination of the vascular patient	

Minimal bibliography

1. Lewis P, Rowland MD, Timothy A. Pedley MD, Merritt's Neurology, 13th ed., 2016
2. Allan Ropper, Martin Samuels, Adams and Victor's Principles of Neurology 11th Edition, 2019
3. Course support 2025-2026
4. Charles Clarke ,Robin Howard, Neurology: A Queen Square Textbook, Sep 6, 2016
5. Martin Samuels, Allan H. Ropper MD, Samuel's Manual of Neurologic Therapeutics, May 17, 2017.

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Conținutul disciplinei este în concordanță cu cel predat la alte centre universitare din țară și din străinătate; În dezvoltarea disciplinei s-au avut în vedere cele mai importante realizări teoretice și practice în domeniu.

Mode of transmission of information:

Forms of activity	Teaching methods used
Course	The courses begin with a few minutes of recalling the main concepts previously taught. Then, questions posed by students regarding the courses taught are answered. The course plan is presented. The detailed presentation of each chapter is followed. The course ends with the key concepts that are essential for the respective presentation. In selected cases, small topics are established to be presented by the students, announced 4 weeks in advance, to allow them to prepare. The courses are interactive, presented in a modern way in power point,

	held at appropriate times and in friendly spaces (large, bright, sunny, soundproof, with enough seats for all students)
Laboratory	Clinical internships aim to implement and consolidate theoretical concepts. Students are divided into wards and patients, after their written agreement. Initially, basic concepts, clinical cases, case particularities, clinical and paraclinical investigation methods are presented. Then, under the supervision of the academic staff, students will apply and practice the acquired maneuvers, make clinical-biological and imaging correlations for the analyzed cases. Small colloquia are organized, and the best students are appreciated, representing an incentive for the others.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
1. patient history 2. motility examination 3. sensitivity examination 4. cranial nerve examination 5. recognition of signs of stroke 6. establish the topographic diagnosis based on defined clinical syndromes 7. examination of the comatose and/or aphasic patient

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**50 %**
- the final answer at the practical exam at laboratory	**20 %**
- periodic testing by control papers	**10 %**
- continuing testing during the semester	**10 %**
- activiry like homework / reports / essay / translation / projects etc.	**10 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:

- the final assessment is chosen in agreement with the students, at the beginning of the academic year, according to the university charter. It is mainly in the form of a written paper.

This consists of a grid test with 20 questions, in two different copies to be distributed on 2 numbers, respectively 1 and 2, drawn by the students.

If the students decide on an oral examination, then the subjects are established from which 10 topics will be extracted, numbered from 1 to 10, depending on complexity, according to the scale. - for the practical exam, several main topics are established for the passing grade-7, but also some more special ones for those who want a higher grade than the passing grade.

These topics are announced in advance, and on the day of the exam, several are established by drawing lots.

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
- Knowledge of general notions about the subject, without the possibility of presenting detailed elements. - Obtaining an average of over 7 in written papers and practical exams. - Attendance at 50% of the courses	- Accurate presentation of the subject required for the examination. - Grades above 8 on all written examinations and practical work. - Attendance at over 70% of the courses.

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THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Ability to prepare dental cavities on simulators**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Florescu Anamaria**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Florescu Anamaria, Assist. Prof. PhD Sitaru Alexandru**					
The discipline code	**DM 3.5.7**	The formative category of the discipline		**SD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**5**	Of which course hours	**2**	seminary / laboratory / clinical internship	**3**
Total hours of the curriculum	**70**	Of which course hours	**28**	seminary / laboratory / clinical internship	**42**
		Total hours per semester	**100**		

Distribution of Time	**30 hours**
1. Deciphering and studying course notes	-
2. Study after textbook, course support	6
3. Study of the indicated minimum bibliography	-
4. Additional documentation in the library	-
5. Specific training activity seminar and / or laboratory	-
6. Achievement homework, reports, essay, translations etc	10
7. Preparation of control papers	5
8. Preparation of oral presentations	2
9. Preparation of final exam	4
10. Consultations	1
11. Documentation on the field	1
12. Documentation on the Internet	1

13. Tutoriing	-
14. Examinations	-
15. Other activities	-

The name of the course	**Ability to prepare dental cavities on simulators**		
Professional competences specific to the discipline	**Theoretical knowledge** • To be able to establish the diagnosis of dental caries. • To be able to establish and / or perform the correct preparation for dental caries. • Correct use of adhesive preparation techniques • Acquiring the objectives, methods and required materials for the treatment of deep carious lesions. **Practical knowledge** • Optimal use of specific techniques and instruments • Cavity preparation by conventional and modern methods • Knowledge of restoration materials, indications, clinical protocol • Treatment of deep carious lesions; direct and indirect pulp capping; materials used for pulp capping		
Transversal competencies	• Learning and correct use of medical vocabulary • Identifying the roles and responsibilities of teamwork • Effective use of information sources and communication resources • Knowing the importance of continuing medical education in order to develop their professional capacities • Taking part in different scientific student events		
The general objective of the discipline	• Knowledge of the dental hard tissues structure and function • Understanding dental caries as a disease with multifactorial etiology • Knowledge of diagnostic elements, clinical forms and procedures for diagnosis of dental caries. • Knowing the importance of the reversible nature of enamel demineralization in order to preserve its morphological integrity through non-invasive treatment in early caries. • Knowledge of the clinical forms and diagnostic procedures of dental caries. • Knowledge of modern treatment techniques for dental caries • Knowledge of materials used for temporary and long-term restoration		
The specific objective of the discipline	• To identify a high caries risk patient • To be able to precisely establish the diagnosis of dental caries. • To differentiate soft dentin from healthy dentin and use appropriate treatment of the pulpo-dentinal complex. • To develop a treatment plan, choose the appropriate treatment method and apply it correctly.		
ESCO competencies 2261	Performs clinical dental examinations. Rehabilitates worn dentition. Discusses dental treatment options with patients. Treats dental caries. Restores natural tooth color		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate defines the basic principles of dental cavity preparation, recognizes their typology and the biomechanical and biological criteria involved. Understands the relationship between cavity design, tooth strength, and restoration longevity.	The student/graduate applies correct techniques for cavity preparation on simulators, using the specific instrumentarium. Is capable of analyzing and correcting one's own procedures based on objective evaluation criteria. Integrates principles	The student/graduate demonstrates responsibility in practicing and continuously improving practical skills. Demonstrates autonomy in managing time and resources in simulator work. Observes ethical principles,

		of ergonomics and infection control into practical activity.	safety, and academic rules in the learning and assessment process.

The content of the course – Analytical Syllabus	**No. hours**
1. Structure of the teeth- the Enamel- topographic, physical, chemical, morpho-functional features and structure	2
2. Structure of the teeth- the Dentin and the Pulp-dentin complex- topographic, physical, chemical, morpho-functional features and structure	2
3. Structure of the teeth- the Cementum- topographic, physical, chemical, morpho-functional features and structure; Physiology of tooth form	2
4. Etiopathogenesis of caries lesions; The role of the Host in the production of dental caries	2
5. Etiopathogenesis of caries lesions; The role of the Dental Biofilm in the production of dental caries	2
6. Etiopathogenesis of caries lesions; The role of the Diet in the production of dental caries	2
7. Dental caries lesions: definition, classification, clinical appearance and diagnosis	2
8. Dental caries lesions: Morphopathology of dental caries: Morphopathology of caries lesions in enamel, dentin and cementum; Pulp changes in dental caries	2
9. Patient assessment and examination; Complementary examinations in the diagnosis of dental caries	2
10. General principles of cavity preparation	2
11. Principles of cavity preparation for aesthetic dental materials	2
12. Dental materials used for the treatment of deep carious lesions; pulp capping	2
13. Adhesive restoration materials: Compomers: advantages, disadvantages, indications; Glass ionomer cements, composition, classification, properties.	2
14. Adhesive restoration materials: Composite resins, composition, classification, properties	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. Presentation of the dental office, the dental unit, the consultation kit and the handpieces. Organizing dental office.	3
2. Hand and rotary instruments for cavity preparation. Ergonomic positions	3
3. Moisture control; Rubber dam;	3
4. Patient Assessment and Examination	3
5. Caries lesion- diagnosis and classifications; Tooth preparation terminology; Principles of treatment	3
6. Treatment of dental caries - preparation of class I cavity on simulators; clinical technique for Class I direct composite restorations	3
7. Treatment of dental caries - preparation of class II cavity on simulators; clinical technique for Class I direct composite restorations	3
8. Treatment of dental caries - preparation of class III cavity on simulators; clinical technique for Class I direct composite restorations	3
9. Treatment of dental caries - preparation of class IV cavity on simulators; clinical technique for Class I direct composite restorations	3
10. Treatment of dental caries - preparation of class V cavity on simulators; clinical technique for Class I direct composite restorations	3
11. Treatment of dental caries - preparation of class VI cavity on simulators; clinical technique for Class I direct composite restorations	3
12. Treatment of deep dental caries	3
13. Presentation of temporary restoration materials, practical demonstrations	3
14. Presentation of long-term restoration materials, practical demonstrations	3

Minimal bibliography

1. Sturdevant's Art and Science of Operative Dentistry. A. Ritter, LW Boushell, R Walter, 2019
2. Detection and Assessment of Dental Caries A Clinical Guide. Andrea Ferreira Zandona, Christopher Longbottom | 2019
3. Understanding Dental Caries From Pathogenesis to Prevention and Therapy. Michel Goldberg | 2016
4. Dental Caries. Principles and Management. Zhou Xuedong | 2016
5. Dental Caries. Assessment and Clinical Management. Marcus Ward | 2019

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

The discipline is in accordance with the daily practice carried out in the dental offices related to the diagnosis of simple dental caries; the student is trained to meet the high requirements necessary to carry out the activity in the field of preparation of dental cavities. The training consists in perfecting and mastering the latest therapeutic techniques and their association with the theoretical notions.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive presentation of the material according to the analytical program, using multimedia means, power point presentations, didactic videos, debates, study topics
Laboratory	Activity carried out on simulators and extracted teeth in order to form the practical skill; power point presentations, didactic videos, debates, study topics.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check

1. Rubber Dam application - minimum 4 for each dental segment (anterior, posterior)
2.. Preparation of class I – VI cavities on the simulator, minimum 3 preparations from each class
3. Application of liners and bases in deep carious lesions - minimum 3 for each type of cavity

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**45 %**
- the final answer at the practical exam at laboratory	**35 %**
- periodic testing by control papers	**15 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**5%**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
Practical Individual Exam**;** Written work (descriptive and test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• Passing the practical exam • Laboratory and course attendance • Mandatory redeeming of absences • Passing theoretical and practical tests	In addition to the minimum requirements for grade 5: • Mastering the entire course of the discipline, along with studying other specialized books • Fully participating in interactive discussions during the course or laboratory • Ability to explain and interpret the theoretical and practical contents of the discipline • Ability to synthesize; logical thinking

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Psychiatry**					
Didactic function, name and surname of the course holder	**Lecturer PhD Moțoescu Eduard**					
Didactic function, name and surname of the laboratory holder	**Lecturer PhD Moțoescu Eduard**					
The discipline code	**DM 3.5.8**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**3**	Of which course hours	**1**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**42**	Of which course hours	**14**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**100**		

Distribution of Time	**56 hours**
1. Deciphering and studying course notes	10
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	5
4. Additional documentation in the library	5
5. Specific training activity seminar and / or laboratory	5
6. Achievement homework, reports, essay, translations etc	5
7. Preparation of control papers	5
8. Preparation of oral presentations	5
9. Preparation of final exam	6
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Psychiatry**
Professional competences specific to the discipline	Knowledge of the object of study of psychiatry, of the concepts of "mental health" and "mental disorder", of the context in which a psychiatric consultation is carried out, of the general landmarks of a psychiatric examination Recognizing the differentiation between illusions and hallucinations, between simple and complex hallucinations, between psychic and psychosensory hallucinations Familiarization with the characteristics of psychosensory hallucinations, with the pathological entities in which they appear, but also with the general characteristics of psychic hallucinations, which appear mainly in major mental illnesses Understanding prosaic and mnesic functions, but also the pathological aspects involved at these levels in different mental disorders Deciphering thought disorders, of the differences between the forms of ideational pathology (dominant, obsessive, prevalent and delusional ideas) Mastering the syndromic typology and symptomatology that are most frequently highlighted in patients who present to the Psychiatric Emergency Room. Knowledge of the main forms of schizophrenia and the differences in manifestation, prognosis and treatment between them Establishing general guidelines in guiding a psychiatric interview; emphasizing the importance of confidentiality in psychiatry Familiarizing with the characteristics of the observation sheet in psychiatry Particularities of examining a patient with dementia; applying MMSE Particularities of examining a patient with a severe depressive episode; applying depression scales Particularities of examining a patient with a manic or hypomanic episode; applying mania scales Particularities of examining a patient with paranoid schizophrenia; observing hallucinatory and delusional symptomatology Mastering the general rules of psychiatric treatment, as well as its interaction with other treatments and medical maneuvers (anesthesia in dentistry)
Transversal competencies	Acquiring teamwork skills, oral and written communication skills, solving ethical problems and making decisions, recognizing and respecting diversity of opinions and multiculturalism, openness to the perspective of lifelong learning, respecting and developing moral values and professional ethics.
The general objective of the discipline	Diagnosis and therapeutic approach of the main mental illnesses
The specific objective of the discipline	Recognizing the differentiation between illusions and hallucinations, between simple and complex hallucinations, between psychic and psychosensory hallucinations Familiarizing with the characteristics of psychosensory hallucinations, with the pathological entities in which they appear, but also with the general characteristics of psychic hallucinations, which appear mainly in major mental illnesses Understanding prosaic and mnesic functions, but also the pathological aspects involved at these levels in different mental disorders Deciphering thought disorders, the differences between the forms of ideational pathology (dominant, obsessive, prevalent and delusional ideas) Acquiring the syndromic typology and symptomatology that are most frequently highlighted in patients who present to the Psychiatric Emergency Room Knowledge of the main forms of schizophrenia and the differences in manifestation, prognosis and treatment between them Acquiring the

	general rules of psychiatric treatment, as well as its interaction with other treatments and medical maneuvers (anesthesia in dentistry).		
ESCO competencies 2261	Makes referrals for healthcare users. Manages patient anxiety. Complies with clinical guidelines. Interacts with healthcare users. Contributes to continuity of care. Uses e-health and m-health technologies. Demonstrates empathy towards healthcare users.		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate describes, analyzes, and evaluates etiopathogenic mechanisms, risk factors, clinical and paraclinical manifestations, and diagnostic and treatment principles specific to mental health disorders, with particularities for dentistry/dental medicine.	The student/graduate demonstrates, interprets, and correctly uses clinical and paraclinical methods and techniques for diagnosing and evaluating mental health changes.	The student/graduate plans, integrates, and coordinates, under appropriate supervision, specific interventions for patients with mental health disorders.

The content of the course – Analytical Syllabus	**No. hours**
1 Delimitation of the scope and content of psychiatry; Connections between psychiatry and clinical psychopathology; Definition of the concepts of mental health and mental disorder; Psychiatric examination – general landmarks	2
2 Psychiatric Semiology: quantitative disorders of sensoryity, qualitative disorders of sensoryity - illusions (visual, auditory, olfactory, gustatory, tactile, interoceptive, proprioceptive), hallucinations: general characteristics, classification of hallucinations into psychosensory and psychic, general characteristics of psychosensory hallucinations, auditory psychosensory hallucinations	2
3 Psychiatric Semiology: visual, autoscopic, gustatory, olfactory, tactile, interoceptive, proprioceptive psychosensory hallucinations; psychic hallucinations (pseudohallucinations) – general characteristics; psychic hallucinations auditory, visual, olfactory, gustatory, tactile, interoceptive, kinesthetic; mental automatism syndrome	2
4 Psychiatric semiology: attention and its disorders: hyperprosexia and hypoprosexia (definition and clinical entities in which they are found), memory and its disorders: -quantitative changes in memory (dysmnesia) - hypermnesia, hypomnesia, amnesia (typology and description), qualitative changes in memory (paramnesia) -immediate memory perception disorders and disorders of recalling the past	2
5 Psychiatric semiology: thinking and its disorders – formal changes in ideation (rhythm and flow), content disorders of ideation, instances (forms of manifestation) of ideation (dominant, obsessive, prevalent and delusional ideas), typology of delusional ideas depending on the affective support (expansive, depressive and mixed ideas)	2
6 Syndromic typology and description of the main psychiatric syndromes: psychomotor agitation syndrome, catatonic syndrome, violent dysbehavioral syndrome, psychotic syndrome, psychoorganic syndromes	2
7 Schizophrenia: disorganized form, catatonic form, paranoid form, residual type schizophrenia, affective schizophrenia	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1 Principles and methods of conducting a clinical interview in psychiatry; particularities of the psychiatric interview and the main rules for its conduct; the importance of respecting confidentiality and other rights of the patient	4

2 Observation sheet in psychiatry – particularities. The importance of performing a somatic examination on a psychiatric patient and recording it in the observation sheet. Performing a mental examination	4
3 Psychiatric interview with a patient diagnosed with dementia; emphasis on aspects of memory semiology; brief overview of etiological hypotheses and evolutionary modalities of dementias.	4
4 Psychiatric interview with a patient with a major depressive episode; emphasis on observing aspects of affective semiology. Highlighting the criteria for a major depressive episode according to DSM IV –TR. Description of depressive disorders. Evolutionary modalities of depressive disorders.	4
5 Psychiatric interview with a patient with a manic/hypomanic episode; insisting on observing aspects of the semiology of affectivity. Highlighting the criteria of a manic or hypomanic episode according to DSM IV-TR Differentiating between a manic and hypomanic episode Evolutionary modalities of bipolar disorders	4
6 Psychiatric interview with a patient with paranoid schizophrenia; insisting on observing aspects of the semiology of perception disorders and/or thought disorders. Types of schizophrenia, particularities Etiological hypotheses and evolutionary modalities of schizophrenia	4
7 General notions of treatment in psychiatry. The main adverse effects of psychiatric treatment. The importance of compliance in psychiatric treatment. General notions of psychotherapy as a treatment in psychiatry. The adequacy of psychotherapy in the main mental disorders	4

Minimal bibliography
Course support 2025-2026

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The practical aspects and ethical guidelines of the student's future medical profession, that of a dentist, will be constantly taken into account.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	The course is taught in an interactive manner, with the support of PowerPoint presentations of the main ideas and examples from clinical practice.
Laboratory	It takes place in the clinic, where patients with different psychiatric conditions are presented, trying to exemplify the entire semiological picture described in the courses. The patient is asked questions first by the teaching staff, then by the students. The practical aspects related to each patient presented, their pathology, treatment, and prognosis are discussed with the students. There are some patients who are presented successively, precisely in order to observe the evolution under treatment from one period to another.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
• Active attendance at at least 60% of the seminars held during the semester; • Demonstration through periodic verification during the seminars of the acquisition of basic knowledge in the field of Psychiatry; • Proving appropriate behavior during the seminars;

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**50 %**

- the final answer at the practical exam at laboratory	**20 %**
- periodic testing by control papers	**10 %**
- continuing testing during the semester	**10 %**
- activiry like homework / reports / essay / translation / projects etc.	**10 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Written work (descriptive)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
-Attendance of at least 60% at courses and seminars; -Demonstration through final verification of the acquisition of a satisfactory level of knowledge following the attendance of courses and participation in seminar papers; -Proving appropriate behavior during classes and seminars	-Active attendance at courses and seminars held during the semester; -Demonstration through final verification of the acquisition of a high level of theoretical and practical knowledge in the field of Psychiatry; -Proving appropriate behavior during classes and seminars with colleagues, teaching staff, and patients presented; -Involvement in activities of designing essays, reports, etc.

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THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Endocrinology**					
Didactic function, name and surname of the course holder	**MD PhD Grigorascu Lucica Irina**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 3.6.9**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**1**	Of which course hours	**1**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**14**	Of which course hours	**14**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**36 hours**
1. Deciphering and studying course notes	8
2. Study after textbook, course support	8
3. Study of the indicated minimum bibliography	4
4. Additional documentation in the library	2
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	0
8. Preparation of oral presentations	0
9. Preparation of final exam	10
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	2
14. Examinations	0
15. Other activities	0

The name of the course	**Endocrinology**		
Professional competences specific to the discipline	General information about endocrine patology The most important endocrine diseases (according to the curriculum), definition, ethiopathogeny, diagnosis, differential diagnosis,treatment, profilaxy-		
Transversal competencies	Endocrine imaging		
The general objective of the discipline	The presentation of the most important endocrine diseases, especially those which affect the dentition Gaining the ability to exam a pacient with an endocrine disease and to recognise/search some signs which are specific to an endocrine pathology		
The specific objective of the discipline	Acquiring the basic of endocrine medical practice		
ESCO competencies 2261	Interprets medical examination results. Complies with clinical guidelines. Interacts with healthcare users. Contributes to continuity of care. Uses e-health and m-health technologies		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, describes, and evaluates etiopathogenic mechanisms, clinical and paraclinical manifestations, and diagnostic and treatment principles specific to medical conditions, with particularities for dentistry/dental medicine.	The student/graduate recognizes and differentiates the general health and/or disease status of patients who are to benefit from dental treatments. Demonstrates, adapts, and integrates the theoretical notions and practical skills necessary for assessing disease status, using specific clinical and paraclinical methods and techniques.	The student/graduate correctly assesses and determines patients' capacity to benefit from (tolerate) dental treatments, in relation to their general health status. Plans, applies, and coordinates, under appropriate supervision, integrated medical interventions, assuming responsibility and collaborating interdisciplinarily.

The content of the course – Analytical Syllabus	**No. hours**
1 General endocrinology: general information about hormones, their structure, the functional structure of the unit hormone-receptor, endocrine physiology, the receptor patology	2
2 The pituitary gland: adenohipophysis, the neurohypophysis: morfology, physiology, patology (hypo- and hyperfunction of the pituitary, tumors). The pineal gland. The implication of acromegaly in dental pathology	2
3 The thyroid : the morphology, the physiology, the exploration of the thyroid, the patology (hyperthyroidism, hypothyroidism, the thyroid nodule, the thyroid cancer , the goiter, all forms of thyroiditis, thyroid hormones resistance syndrom)	2
4 The parathyroid glands: the morfology, the physiology, the functional and structure , the exploration, the patology and the implication in dental medicine: hyperparathyroidism, hypothyroidism, phosphocalcium homeostazis (D3 vitamine, PTH, calcitonine), hypocalcemic and hypercalcemic crisis, osteoporosis and osteomalacia, rickets	2
5 The adrenal glands: the morphology, the physiology, the functional and structure exploration, the patology (Cushing syndrome, acute and cronic insufficiency). Corticotherapy . Endocrine hypertension	2
6 . The normal sexual diferentiation. The physiological and pathological puberty, Klinefelter and Turner syndrom, the ovary and the testicle: the morphology, the physiology, the exploration, the patology: tumors, gonadal insufficiency, , the infertility. Mammmary gland. Gynecomastia	2

7 Endocrine pancreas. Obesity. Hipoglycemia. Eating disorders	2

Minimal bibliography

Course support 2025-2026
Endotext-the free complete source for clinical endocrinolog http://www.endotext.org/
Harrison- the endocrinology –J.Larry Jameson-2014
Williams textbook of endocrinology, 12th edition ISBN-13:978-1437703245
Kumar & Clark, Clinic Medicine Adam Feather, David Randall, Mona Waterhouse

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

All topics taught in the course and practical internships are presented in the didactic and scientific materials of the discipline, monographs, guides, courses, which take the latest data from national and international specialized literature, corresponding to the maximum expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health in the country.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Oral presentation, Power Point presentation, individual sheets

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- periodic testing by control papers	**5 %**
- permanent testing during the semester	**5 %**
- activities like homework / reports / essay / translation / projects etc.	**10 %**
- other activity	**0 %**

Describe the practical ways of final assessment, E: Written work (descriptive and test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
Passing half of the subjects from the final test	Proper filling in of all the requests of the final exam If it's the case: the student who took part in activities like essays/reports may receive 20% extra to the final grade.

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THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**General surgery.Anesthesia and intensive care**					
Didactic function, name and surname of the course holder	**Lecturer PhD Romanescu Dragoș**					
Didactic function, name and surname of the laboratory holder	**Lecturer PhD Romanescu Dragoș, Assoc. Prof. PhD Potecă Dan Teodor, PhD Duduș Dan Ionuț**					
The discipline code	**DM 3.6.10**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**1**	seminary / laboratory / clinical internship	**1**
Total hours of the curriculum	**28**	Of which course hours	**14**	seminary / laboratory / clinical internship	**14**
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	5
2. Study after textbook, course support	5
3. Study of the indicated minimum bibliography	5
4. Additional documentation in the library	5
5. Specific training activity seminar and / or laboratory	1
6. Achievement homework, reports, essay, translations etc	0
7. Preparation of control papers	0
8. Preparation of oral presentations	0
9. Preparation of final exam	1
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**General surgery**		
Professional competences specific to the discipline	Critical evaluation of hypotheses, diagnostic tools and methods used as support for the individualized formulation of the diagnosis. Performing a complete history and clinical examination as well as knowledge of basic surgical procedures, requesting appropriate complementary investigations, formulating a positive and correct differential diagnosis		
Transversal competencies	• Efficient use of communication resources and assisted professional training (specific applications, databases, online applications) both in Romanian and in an international language. • Carrying out a work or a project by responsibly executing tasks specific to the role of working in a team. • Acquiring skills in teamwork, oral and written communication, using information technology, availability for learning autonomy and openness to lifelong learning, while respecting and developing professional ethics.		
The general objective of the discipline	• Knowledge and interpretation of symptoms and signs of surgical diseases • Acquiring skills for the correct examination of the surgical patient. • Appreciation of paraclinical diagnosis - biological and imaging - in surgical pathology. • Presentation of surgical instruments and accessories in the surgical department (drainages, probes, dressings). • Acquiring the notions of asepsis and antisepsis		
The specific objective of the discipline	• Correct examination of the patient with a surgical condition (acute or chronic). • Orientation on the diagnosis. • Outlining the diagnostic plan. • Taking biological samples. • Preparing the patient for endoscopic examinations and for the operative moment. • Pre- and post-operative evaluation and monitoring of the patient. • Studying signs and symptoms, both as a way of obtaining them and as a way of interpreting them, thus including a technical part of collecting clinical and paraclinical data as well as an interpretative part of differential diagnosis. • Mastering the way of writing the clinical observation sheet, in the perspective of developing a diagnosis as quickly and accurately as possible. • The accumulated notions, used equally by all surgical specialties, are part of the basic training on which the thinking of the future general practitioner or surgeon is built.		
ESCO competencies 2261	Interprets medical examination results. Complies with clinical guidelines. Interacts with healthcare users. Contributes to continuity of care. Uses e-health and m-health technologies. Ensures the safety of healthcare medical users. Manages adverse reactions to anesthesia. Deals with medical emergencies.		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, describes, explains, and analyzes the general principles of surgical interventions, as well as perioperative care techniques, correlated with various types of surgical pathologies, with particularities for	The student/graduate correctly uses and integrates clinical and paraclinical evaluation methods and techniques; improves practical skills, under appropriate supervision, through the evaluation and management of perioperative care and treatments.	The student/graduate collaborates with and supports the activities of the medical team, actively participating, under appropriate supervision, in surgical interventions as well as in perioperative care.

	dentistry/dental medicine.		

The content of the course – Analytical Syllabus	No. hours
1 Introductory course. • The place of surgery and surgical semiology in medical practice – knowledge, decision-making capacity, dexterity (surgical skills), compassion. Brief history of surgery. Asepsis, antisepsis, sterilization. Surgical instruments – basic concepts.	1
2 Infections – generalities. • Acute surgical infections of the skin (erysipelas, folliculitis, furuncle, hidradenitis). • Acute localized surgical infections (warm abscess, phlegmon, lymphangitis, adenitis, adenophlegmon). • Pyogenic infections of the fingers and hand.	1
3 Wounds: classification, symptomatology, evolution, treatment. Burns. Frostbite. Concepts of surgical wound healing – normal and pathological healing. The importance of suture material in the healing of surgical wounds.	1
4 Malignant tumors: definition, epidemiology, etiology, summary notions of carcinogenesis and metastasis, nomenclature, classification, staging. Malignant tumors vs. benign tumors. Malignant tumors: diagnostic principles, principles of complex oncological treatment (surgery, chemotherapy, radiotherapy, hormone therapy, immunotherapy).	1
5 Surgical semiology and elements of surgical treatment of thyroid gland diseases. • Endemic goiter, Hyperthyroidism, Thyroiditis, Thyroid cancer	1
6 Surgical semiology and elements of surgical treatment of esophageal diseases. • Motility disorders. Esophageal diverticula, Hiatal hernias, Gastroesophageal reflux disease, Esophageal cancer	1
7 Surgical semiology and elements of surgical treatment of stomach and duodenal diseases. • functional disorders, gastropathies, (hemorrhagic, atrophic) diverticula, acute gastric dilatation, gastric volvulus, gastric and duodenal ulcers, benign and malignant tumors - Zollinger-Ellison syndrome, gastric cancer, ampullary lesions. Upper digestive hemorrhages - general concepts.	1
8 Surgical semiology and elements of surgical treatment of small intestine diseases. • Regional enteritis, tuberculosis and Crohn's disease, Necrotizing enteritis and enteromesenteric infarction, • Small intestine obstructions (intussusception, incarceration, strangulation); Small intestine tumors	1
9 Surgical semiology and elements of surgical treatment of diseases of the colon and cecal appendix. • diverticulosis, megacolon, colitis (ulcerative, ischemic, pseudomembranous, radiation, amoebic), Crohn's disease, benign and malignant tumors. Acute and chronic appendicitis, appendicular tumors.	1
10 Surgical semiology and elements of surgical treatment of diseases of the chest. • Thoracic trauma • Purulent pleurisy • Pulmonary hydatid cyst • Broncho-pulmonary cancer	1
11 Surgical semiology and elements of surgical treatment of peripheral vascular diseases. • Chronic peripheral ischemia syndrome (atherosclerosis obliterans, thromboangiitis obliterans, diabetic arteriopathy) • Acute peripheral ischemia syndrome • Vasomotor diseases • Varicose disease • Superficial and deep phlebitis, thromboembolic disease	1
12 Surgical semiology and elements of surgical treatment of spleen diseases • Hematological and immunological hypersplenism • Spleen trauma and abscesses	1
13 Surgical semiology and elements of surgical treatment of abdominal parietal defects. • Inguinal, femoral and umbilical hernias • Rare abdominal wall hernias • Eventrations and eviscerations	1
14 Elements Elementary surgical interventions: incision, suture, drainage, puncture. Anesthesia and intensive care in surgery: Types of anesthesia; Complications of anesthesia. Modern	1

electrosurgery. Mechanical sutures. Minimally invasive surgery. Robotic surgery. Surgical virtual reality.	
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1 Observation sheet and examination of the surgical patient.	1
2 Asepsis-antisepsis. Sterilization (practical).	1
3 Dressings and bandages. Enemas, washings, probing.	1
4 Punctures: Aspirative puncture, biopsy puncture, paracentesis, thoracocentesis. Collection of biological products for microbial germs	1
5 Hemorrhage - provisional hemostasis. Blood transfusion. Patient monitoring (BP, VA, diuresis, stool, weight, temperature, wound, etc.).	1
6 Acute infections: cellulitis, panaritium, phlegmon, bacterial gangrene, gas gangrene, necrotizing fasciitis, arterial ulcer, venous ulcer, tetanus, septicemia, septicopyemia	1
7 Clinical case – patient with thyroid gland disease (dystrophic lesions, inflammatory lesions, tumor lesions) – semiological elements, suggestive biological values.	1
8 Clinical case – patient with mammary gland disease (dystrophic lesions, inflammatory lesions, tumor lesions) – semiological elements, suggestive biological values.	1
9 Clinical case – patient with abdominal wall disease – semiological elements, suggestive biological values	1
10 Clinical case – patient with esophageal disease – semiological elements, suggestive biological values.	1
11 Clinical case - patient with gastroduodenal ulcer disease - semiological elements, suggestive biological values	1
12 Clinical case - patient with diseases of the small intestine, right and left hemicolon - semiological elements, suggestive biological values	1
13 Clinical case - patient with rectal and anal canal diseases - semiological elements, suggestive biological values; Anorectal exploration	1
14 Clinical case - patient with acute appendicitis - semiological elements, suggestive biological values; Genital examination.	1
Minimal bibliography	
Course support 2025-2026	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
All topics taught in the course and practical internships are presented in the didactic and scientific materials of the discipline, monographs, guides, courses, which take the latest data from national and international specialized literature, corresponding to the maximum expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health in the country.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Power point presentations
Laboratory	Practical education at the patient's bedside, under the guidance of the group assistant. Evaluation of theoretical knowledge presented in the course – 30 min. at the beginning of the course following the completion of the specific chapter of the notions that will be evaluated.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted

to the final check
• Mastering the anamnesis; • Physical examination of the patient; • Passing with at least ½ of the maximum score of all seminars in theoretical knowledge. • Correctly completing an observation sheet, implicitly focusing on an investigation plan; • Interpreting the biological values of the patient's examinations. • Interpreting radiological, ultrasound, endoscopic, tomographic examinations and histopathological examination. • Assisting in minor interventions and surgical interventions. • Passing the Minimum Knowledge Scale – evaluated in the last week of the clinical internship

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**50 %**
- the final answer at the practical exam at laboratory	**15 %**
- periodic testing by control papers	**15 %**
- continuing testing during the semester	**15 %**
- activiry like homework / reports / essay / translation / projects etc.	**5 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Written work (descriptive and test)	
Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• Passing the practical exam. • Passing the minimum knowledge scale. • Knowing and understanding the concepts of major importance, absolutely necessary for establishing a diagnosis with surgical indication. • Knowing the information taught in courses and internships in a proportion of 60%.	• Knowing and understanding the concepts taught in courses and internships in a proportion of 95-100%. • Full attendance at courses and internships. • Consulting additional bibliography.

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THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Occlusology**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Bogdan-Andreescu Claudia-Florina**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Bogdan-Andreescu Claudia-Florina**					
The discipline code	**DM 3.6.11**	The formative category of the discipline		**SD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**4**	Of which course hours	**2**	seminary / laboratory / clinical internship	**3**
Total hours of the curriculum	**70**	Of which course hours	**28**	seminary / laboratory / clinical internship	**42**
		Total hours per semester	**100**		

Distribution of Time	**30 hours**
1. Deciphering and studying course notes	4
2. Study after textbook, course support	4
3. Study of the indicated minimum bibliography	4
4. Additional documentation in the library	4
5. Specific training activity seminar and / or laboratory	4
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	1
8. Preparation of oral presentations	1
9. Preparation of final exam	3
10. Consultations	1
11. Documentation on the field	0
12. Documentation on the Internet	1

13. Tutoriing	0
14. Examinations	1
15. Other activities	0

The name of the course	**Occlusology**		
Professional competencies specific to the discipline	- Clinical assessment of the mandibular postural position. - Clinical assessment of the centric relationship position. - Evaluation of the dental occlusion relationship. - Examination of occlusal function through the analysis of mandibular movements. - Detection and analysis of specific clinical manifestations related to dysfunction in the stomatognathic system. - Conducting a comprehensive clinical examination of dental occlusion. - Development of a treatment plan. - Study casts analysis.		
Transversal competencies	1. Cognitive competencies - Understanding the fundamental relationships between the mandible and maxilla. - Knowledge of the fundamental movements of the mandible. - Awareness of dysfunctions within the stomatognathic system. - Understanding occlusion and how to evaluate it in implant prosthetics. - Familiarity with occlusal rebalancing therapy. 2. Affective-value competencies - Building relationships with patients and medical staff. - Effective communication with patients. - Coordination and communication with dental technicians.		
The general objective of the discipline	To help students acquire a foundational understanding of occlusal function and dysfunction.		
The specific objective of the discipline	- To understand the principles of occlusology. - To learn and use specialized terminology related to occlusology. - To define and identify specific working methods in the field. - To explain the therapeutic principles employed in occlusology within dentistry. - To understand the stages of a clinical occlusal examination. - To grasp concepts related to morphology, physiology, and occlusal pathology, based on modern occlusology principles, and recognize the role and significance of occlusology in dentistry. - To become familiar with the materials used in the examination, determination, and recording of mandibular-maxillary occlusion reports and in the implementation of treatments. - To cultivate the professional behaviors expected of a future dentist. - To develop teamwork skills and the ability to collaborate with specialists from various fields.		
ESCO competencies 2261	Treats snoring problems. Manages dental occlusions. Interprets medical examination results. Contributes to continuity of care. Uses e-health and m-health technologies.		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate accumulates, describes, analyzes, and evaluates specialized knowledge regarding tooth pathology and dental abnormalities, as well as diagnostic and curative treatment principles specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding abnormalities and diseases of the teeth. Assesses, analyzes, differentiates, estimates, interprets, and uses the information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	No. hours
1. Introduction to occlusion basics and functions.	2
2. Occlusion definition - planes and curves.	2
3. Anatomical components.	2
4. Functional muscles of mastication.	2
5. Basic terminology of occlusion.	2
6. Anterior guidance.	2
7. Lateral guidance.	2
8. Test. Border movements in sagittal plane with restorative considerations.	2
9. Centric occlusal contacts.	2
10. Concepts of occlusion in centric position (static occlusion).	2
11. Organization of the occlusion (dynamic occlusion).	2
12. Clinical signs of occlusal dysfunction.	2
13. Dental articulators.	2
14. Occlusion in everyday practice.	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. Overview of dental equipment. Introduction to workplace safety measures in a dental office. Basic concepts of patient examination.	3
2. Taking impressions of dental arches and casting models.	3
3. Taking impressions of dental arches and casting models.	3
4. Static examination of occlusion across three planes. Understanding occlusion curves.	3
5. Static examination of occlusion across three planes. Understanding occlusion curves.	3
6. Clinical examination in occlusology, including case presentations.	3
7. Clinical examination in occlusology, including case presentations.	3
8. Test. Clinical examination of the orofacial musculature.	3
9. Clinical examination of the temporomandibular joint (TMJ).	3
10. Clinical examination of the fundamental positions of the mandible, including the rest position, centric relation (CR), and maximum intercuspation (MI).	3
11. Identification of landmarks for point-centric, long-centric, and freedom in centric.	3
12. Clinical examination of mandibular kinematics across the three spatial planes: sagittal, transverse, and horizontal.	3
13. Occlusal equilibration.	3
14. Test.	3

Minimal bibliography

1. Dental Occlusion - Course Handouts, PDF format, current year of study 2024-2025.
2. Klineberg I., Eckert S. Functional Occlusion in Restorative Dentistry and Prosthodontics, 1st Edition Mosby. 2015.
3. Okeson J.P. Management of Temporomandibular Disorders and Occlusion, 8th Edition. Mosby. 2019.
4. Rokaya D. Introduction to the Masticatory System and Dental Occlusion. John Wiley and Sons Ltd. 2023.

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

The discipline of Occlusology is a vital component of dentistry education. Understanding dental occlusion and applying functional principles in prosthetic restorations are vital for restoring and maintaining the health of the masticatory system.

Students will recognize the significance of teamwork involving dentists, dental technicians, and patients, which they must effectively coordinate. This discipline establishes the essential competencies that are evaluated in the licensing exam for examining and treating patients.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	- Multimedia projection of the course, according to the analytical curriculum. - Interactive programmed education is used to form the practical skill of the accumulated theoretical notions.
Laboratory	- Presentation with didactic material and direct clinical examples.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
- Stages of patient examination for prosthetic work. One presentation; - Impression with irreversible hydrocolloids. Diagnostic models. One bimaxillary model. - Determination and recording of mandibular movements. Two recordings; - Recording of intermaxillary relationships for transfer to the laboratory with occlusion wax, occlusion silicone, and use of the face bow. Two recordings. - Mounting of models in the occlusal and articulator. One mounting. - Occlusal equilibration. One presentation on the model.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**50 %**
- the final answer at the practical exam at laboratory	**20 %**
- periodic testing by control papers	**20 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**10 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: descriptive written work that evaluates the acquisition and understanding of theoretical concepts and the way of thinking (50% of the final grade).

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• passing the practical exam, • passing the test, • knowledge of the basic concepts regarding dental occlusion, minimum grade 5 on the final evaluation.	• in-depth knowledge of the concepts dental occlusion, • attendance at the course, • activity at the course.

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THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Ability to prepare teeth on simulators**					
Didactic function, name and surname of the course holder	**Lecturer PhD Bănățeanu Andreea Mariana**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Bogdan-Andreescu Florina Claudia, Lecturer PhD Bănățeanu Andreea Mariana**					
The discipline code	**DM 3.6.13**	The formative category of the discipline		**SD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**6**	Of which course hours	**2**	seminary / laboratory / clinical internship	**4**
Total hours of the curriculum	**84**	Of which course hours	**28**	seminary / laboratory / clinical internship	**56**
		Total hours per semester	**100**		

Distribution of Time	**16 hours**
1. Deciphering and studying course notes	4
2. Study after textbook, course support	4
3. Study of the indicated minimum bibliography	4
4. Additional documentation in the library	-
5. Specific training activity seminar and / or laboratory	-
6. Achievement homework, reports, essay, translations etc	-
7. Preparation of control papers	-
8. Preparation of oral presentations	-
9. Preparation of final exam	4
10. Consultations	-
11. Documentation on the field	-
12. Documentation on the Internet	-
13. Tutoriing	-

14. Examinations	-
15. Other activities	-

The name of the course	**Ability to prepare teeth on simulators**		
Professional competences specific to the discipline	**Theoretical knowledge -** To be able to establish the diagnosis of coronary lesions suitable for restoration with fixed single-tooth prostheses , as well as knowledge of theoretical notions of different types of crowns and dental preparations. **Practical knowledge** 1. Optimal use of specific techniques and instruments 2. Teeth preparation by conventional and modern methods 3. Knowledge of different types of crowns, indications, clinical protocol 4. Detailed knowledge of the algorithm for performing the dental preparation for crowns, the techniques of impression the prosthetic field and cementing		
Transversal competencies	1. Learning and correct use of medical vocabulary 2. Identifying the roles and responsibilities of teamwork 3. Effective use of information sources and communication resources 4. Knowing the importance of continuing medical education in order to develop their professional capacities 5. Taking part in different scientific student events		
The general objective of the discipline	Knowledge of the content and objectives of dental prosthetics. The study of dental crown diseases that can benefit from a prosthetic treatment with fixed prostheses Knowledge of diagnostic elements, clinical forms and procedures for treatment with fixed prostheses Knowledge of conventional preparation techniques for complete crowns, partial veneer crowns, post and core, laminate porcelain veneer Knowledge of materials used for impression and cementation		
The specific objective of the discipline	At the end of this course, students will be able to select dental crown diseases, which can benefit from fixed prosthetic treatment through single-tooth fixed restorations. Students will be able to prepare future abutment teeth, as part of prosthetic treatments, in the clinical stages of the following years of study. To develop a phased treatment plan. To be able to choose the appropriate treatment method and to apply it correctly.		
ESCO competencies 2261	Multitasks. Manages dental occlusions.		
Learning outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate describes the fundamental principles of tooth preparation for fixed prosthetic restorations. Recognizes the types of preparations, clinical indications, and functional and esthetic criteria. Understands the	The student/graduate correctly performs tooth preparations on simulators, using specific techniques and instruments. Analyzes preparation quality with reference to clinical and prosthetic parameters. Integrates theoretical knowledge with practical	The student/graduate demonstrates responsibility in developing and perfecting manual skills. Manifests autonomy in carrying out the stages of simulator work and observes academic, deontological, and safety norms. Actively engages in

	relationship between preparation design, structural tooth strength, and restoration retention.	skills in achieving standardized preparations.	forming the professional competencies required for clinical practice.

The content of the course – Analytical Syllabus	**No. hours**
Introduction to dental prosthetics. Terminology, content, objectives. Relations with other disciplines. Dental crown disorders. Evaluation of dento-periodontal units in order to achieve PFU.	2
General notions about prosthetic treatment of coronary heart disease. Analog and digital workflow. Unidentified fixed prostheses. Materials used to make unidentified fixed prostheses.Principles of the tooth preparation for different types of dental crowns	2
Coronary reconstitution by inlays.	2
The complete cast crown preparation.The zirconium crown preparation	2
Tooth preparation for all ceramic crown restoration	2
The metal-ceramic crown preparation; the acrylic crown preparation.	2
The partial veneer crown preparation	2
Theoretical test. Advantages and disadvantages of different margin designs	2
Porcelain Laminate veneers	2
Restoration of the endodontically treated tooth	2
The impression techniques for different types of crowns .Fluid control and soft tissue management	2
Accidents and complications in grinding teeth.Provisional restorations	2
Adjustment and cementation	2
Damage, repair and ablation of fixed prostheses. The future in fixed dental prosthetics.	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
Presentation of the dental office, the dental unit, the consultation kit and the handpieces. Organizing dental office. Rotary instruments for teeth preparation. Ergonomic positions	4
Inlay preparation technique. Development by each student of a preparation for an occlusal cavity.	4
Inlay preparation technique. Development by each student of a preparation for an occlusal and approximate cavity.	4
Preparation for complete cast crown with different margin geometry: knife-edge and chamfer. Preparation for a zirconium crown	4
Preparation for anterior and posterior metal-ceramic crowns	4
The tooth preparations for all-ceramic restorations	4
Review and practical and theoretical test	4
Preparations for the partial veneer crowns	4
Preparations for the endodontically treated teeth	4
Preparations for Porcelain Laminate veneers	4
The impression techniques for different types of crowns	4
Presentation of temporary restoration materials. Interim fixed restorations; practical demonstrations	4
Final revision and finalization of teeth preparation	4
Practical exam	4

Minimal bibliography
1. Course support 2025-2026 2. Rosenstiel S, Land M, Walter R.D., Contemporary Fixed Prosthodontics. 6th ed. 2023, Elsevier. 3. Shillingburg, HT, Sather DA, Wilson EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC. Fundamentals of fixed prosthodontics. 4th ed. Chicago: Quintessenence, 2012.

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The discipline is in accordance with the daily practice carried out in the dental offices related to the diagnosis of dental lesions that will be restored by single-tooth prosthetic restorations; the student is trained to meet the high requirements necessary to carry out the activity in the field of preparation the teeth for different types of crowns. The training consists in perfecting and mastering the latest therapeutic techniques and their association with the theoretical notions.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Interactive presentation of the material according to the analytical program, using multimedia means, power point presentations, didactic videos, debates, study topics.
Laboratory	Activity carried out on simulators and extracted teeth in order to form the practical skill; power point presentations, didactic videos, debates, study topics.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check
- preparation of the abutment for the metal / zirconia crown - 1 preparation on the third molar, -preparation of the abutment with chamfer for the metal / zirconia crown - 1 preparation on the second mill, -preparation of the abutment for the mixed crown - 1 preparation -preparation of the abutment for the total physiognomic crown - 1 preparation on the central incisor, -preparation of the abutment for the partial crown 4/5 - 1 preparation on the premolar one, -preparation of the root canal for the replacement crown - 1 preparation on the second premolar, -preparation for inlays - 2 preparations on one molar, -preparation for laminate porcelain veneer- 1 preparation on the lateral incisor, sions of the prosthetic field on the simulator - sandwich technique and washing technique.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80%**
- the final answer at the practical exam at laboratory	**10%**
- periodic testing by control papers	**-**
- continuing testing during the semester	**5%**
- activiry like homework / reports / essay / translation / projects etc.	**5%**
- other sctivity	**-**
Describe the practical ways of final assessment, E: Practical Individual Exam: a preparation of the abutment for one of the types of crown on the simulator **E:** Written work - a test (30 questions with simple or multiple answers)	
Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)

- Passing the practical exam - Laboratory, course attendance - Mandatory redeeming of absences - Acquiring specialized terms and their proper use - Passing theoretical and practical tests	In addition to the minimum requirements for grade 5: Mastering the entire course of the discipline, along with studying other specialized books Fully participating in interactive discussions during the course or laboratory Ability to explain and interpret the theoretical and practical contents of the discipline in an interdisciplinary approach with other general and specific dental and dental subjects. Ability to synthesize; logical thinking

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THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Conservative odontotherapy**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Florescu Anamaria**					
Didactic function, name and surname of the laboratory holder	**Assoc. Prof. PhD Florescu Anamaria, Assist. Prof. PhD Sitaru Alexandru**					
The discipline code	**DM 3.6.13**	The formative category of the discipline		**SD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**5**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**6**	Of which course hours	**2**	seminary / laboratory / clinical internship	**4**
Total hours of the curriculum	**84**	Of which course hours	**28**	seminary / laboratory / clinical internship	**56**
		Total hours per semester	**125**		

Distribution of Time	**41 hours**
1. Deciphering and studying course notes	-
2. Study after textbook, course support	20
3. Study of the indicated minimum bibliography	3
4. Additional documentation in the library	-
5. Specific training activity seminar and / or laboratory	-
6. Achievement homework, reports, essay, translations etc	1
7. Preparation of control papers	2
8. Preparation of oral presentations	2
9. Preparation of final exam	10
10. Consultations	-
11. Documentation on the field	-
12. Documentation on the Internet	3

13. Tutoriing	-
14. Examinations	-
15. Other activities	-

The name of the course	**Conservative Odontotherapy**
Professional competences specific to the discipline	**Theoretical knowledge** • Acquiring the methodology of collecting anamnestic data necessary to obtain a correct and complete diagnosis of carious lesions, non-carious lesions, discolorations, dental traumas. • Adequate management of carious lesions, depending on patient's caries risk . • Knowing the correct terms on adhesion to hard dental structures and proper techniques for achieving this. • Acquiring necessary knowledge for the implementation of direct adhesive techniques (composite restoration, veneers, etc.) **Practical knowledge** A. Obtaining clinical data: • to perform correctly and completely the patient's anamnesis • to apply the techniques of extraoral and intraoral examination of the patient • to specify and comprehend the complementary exams B. Diagnosis and treatment plan • To efficiently manage the medical information • To know and apply clinical protocols for direct adhesive technique C. Establishing a monitoring program of the incipient caries lesion and the education regarding the caries risk reduction.
Transversal competencies	• Correct use of medical vocabulary • Identify the roles and responsibilities of teamwork • Effective use of information sources and communication resources • Knowing the importance of continuing medical education in order to develop their professional capacities • Take part in different scientific student events • Apply ethical principles related to dental practice with respect for patients' rights • Give priority to those treatment options that meet the individual needs of the patient • Prove a professional attitude towards patients and team work.
The general objective of the discipline	• Knowledge of diagnostic procedures for dental caries. • Knowledge of the biological principle in the treatment of dental caries. • Knowledge of the treatment techniques for dental caries. • recognition of an incorrect restoration and knowledge of the repair techniques • Knowledge of the morphological substrate of dentinal pain, its clinical manifestation, as well as its treatment methods; • Knowledge of the etiology, clinical forms and treatment modalities of non-carious lesions (wear, trauma, discolorations)
The specific objective of the discipline	• To be able to precisely establish the diagnosis of dental caries. • To differentiate soft dentin from healthy dentin and use appropriate treatment of the pulpo-dentinal complex. • To develop a phased treatment plan. • To be able to choose the appropriate treatment method and to apply it correctly. • To correctly use adhesive or non-adhesive restoration techniques. • To accomplish morphofunctional restorations by means of direct restorations • To be able to perform composite veneers

ESCO competencies 2261	Performs clinical dental examinations. Rehabilitates worn dentition. Discusses dental treatment options with patients. Treats dental caries. Restores natural tooth color		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate accumulates, describes, analyzes, and evaluates specialized knowledge regarding tooth pathology as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention, diagnosis, and treatment activities regarding dental diseases. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Secondary caries and Residual caries- etiology, clinical signs, diagnosis, treatment; Root caries lesions- etiology, clinical signs, diagnosis, treatment	2
2. Principles of dental adhesion	2
3. Adhesive systems- classification, features, indications, advantages and disadvantages	2
4. Color and shade matching	2
5. Direct posterior restoration techniques	2
6. Direct anterior restoration techniques	2
7. Direct composite restoration for specific protocols: closing diastema, rebuilding worn teeth. Data exchange between the dental office and the dental laboratory	2
8. Non-carious lesions/ tooth wear- erosion, abrasion, abfraction- etiology, clinical appearance, diagnosis	2
9. Prevention and treatment of non-carious lesions/ tooth wear. Direct and indirect veneering	2
10. Dental discolorations, definition, etiological factors, clinical appearance	2
11. Treatment of discolorations; Tooth whitening- techniques, materials, methods	2
12. Crown fractures - clinical appearance, diagnosis, treatment	2
13. Minimally Invasive Therapy	2
14. Dental aesthetic elements	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. Organizing dental office. Patient Assessment and Examination having as objectives: establishing the diagnosis of carious lesions; detection of non-cavitary and cavitary caries, caries evolving in enamel, enamel - dentin and cement; identification of areas susceptible to caries; caries risk assessment; establishing the individualized treatment plan	4
2. Initial caries lesion treatment- remineralization, caries infiltrant	4
3. Indirect and direct pulp capping; step-wise excavation; selective caries removal protocol	4
4. Clinical Technique for Class I-VI Direct Composite Restoration	24
5. Preparation for veneers	8

6. Whitening techniques	4
7. Minimally Invasive techniques.	4
8. Restoration of large tooth loss through Pin-retained restorations	4

Minimal bibliography

1. Sturdevant's Art and Science of Operative Dentistry. A. Ritter, LW Boushell, R Walter, 2019
2. Dental Hard Tissues and Bonding. Editura: Springer-Verlag Berlin and Heidelberg GmbH & Co. KG, 2014
3. Dental Composite Materials for Direct Restorations. Editura: Springer Verlag Gmbh, 2017
4. Adhesion in Restorative Dentistry. Alexandra Vinagre and João Ramos, 2016 /www.intechopen.com/books
5. George Freedman. Adhesion: Past, Present, And Future. Oralhealt, 2019 https://www.oralhealthgroup.com/features/adhesion-past-present-and-future/
6. Wen Zhou. Modifying Adhesive Materials to Improve the Longevity of Resinous Restorations. International Journal of Molecular Sciences. Int. J. Mol. Sci. 2019, 20, 723; doi:10.3390/ijms20030723

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

The discipline is in accordance with the daily practice carried out in the dental offices related to the diagnosis of simple dental caries; the student is trained to meet the high requirements necessary to carry out the activity in the field of dental adhesives and preparation and restoration of dental cavities. The training consists in perfecting and mastering the latest therapeutic techniques and their association with the theoretical notions.

Mode of transmission of information:

Forms of activity	Teaching methods used
Course	Interactive presentation of the material according to the analytical program, using multimedia means, power point presentations, didactic videos, debates, study topics.
Laboratory	Activity carried out on patients (and extracted teeth) in order to form the practical skill; power point presentations, didactic videos, debates, study topics.

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check

1. Direct restoration of class I – VI preparations on the simulator, minimum 3 restorations from each class
2. Application of liners and bases in deep carious lesions - minimum 3 for each type of cavity
3. Preparation for direct veneers and achieving direct veneers - minimum 3
4. Minimally invasive techniques- minimum 3 from each type
5. Pin-retained restorations – minimum 1

For the final grade is taken into account	Total = 100%
- the answer at the exam / final evaluation	**40 %**
- the final answer at the practical exam at laboratory	**35 %**
- periodic testing by control papers	**20 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**5 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
Practical Individual Exam**;** Written work (descriptive and test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	Minimum requirements for 10 grade (Or how to assign 10 grade)
• Passing the practical exam • Laboratory and course attendance • Mandatory redeeming of absences • Acquiring specialized terms and their proper use • Passing theoretical and practical tests	In addition to the minimum requirements for grade 5: • Mastering the entire course of the discipline, along with studying other specialized books • Fully participating in interactive discussions during the course or laboratory

	• Ability to explain and interpret the theoretical and practical contents of the discipline • Ability to synthesize; logical thinking

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Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Orodental prevention II**					
Didactic function, name and surname of the course holder	**Prof. PhD Răescu Mihaela**					
Didactic function, name and surname of the laboratory holder	**Prof. PhD Răescu Mihaela**					
The discipline code	**DM 3.6.14**	The formative category of the discipline		**SD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**4**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**4**	Of which course hours	**2**	seminary / laboratory / clinical internship	**2**
Total hours of the curriculum	**56**	Of which course hours	**28**	seminary / laboratory / clinical internship	**28**
		Total hours per semester	**100**		

Distribution of Time	**44 hours**
1. Deciphering and studying course notes	10
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	10
4. Additional documentation in the library	2
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	1
7. Preparation of control papers	2
8. Preparation of oral presentations	2
9. Preparation of final exam	5
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	2
15. Other activities	0

The name of the course	**Orodental prevention II**		
Professional competences specific to the discipline	The professional competencies specific to the discipline include the ability to prevent, diagnose, and manage oral diseases by integrating theoretical knowledge with hands-on clinical skills. This involves designing personalized prevention plans, performing diagnostic and therapeutic procedures, and educating patients to maintain optimal oral health.		
Transversal competencies	Effective communication with patients and interdisciplinary collaboration to ensure comprehensive care. They also involve critical thinking, problem-solving, and adherence to ethical and professional standards in all aspects of dental practice.		
The general objective of the discipline	The general objective of the discipline is to provide students with the knowledge and practical skills needed to prevent, diagnose, and manage oral health issues effectively. This includes fostering a comprehensive understanding of preventive measures, clinical treatments, and patient-centered care to promote lifelong oral health.		
The specific objective of the discipline	The specific objectives of the discipline are to equip students with the ability to identify risk factors for oral diseases, apply preventive techniques such as fluoride therapy and fissure sealing, and manage conditions like periodontal disease and dentine hypersensitivity. Additionally, students will develop practical skills in diagnostic methods, patient education, and the implementation of tailored oral health care plans.		
ESCO competencies 2261	Performs diagnostics of oral and dental conditions. Educates on disease prevention. Complies with quality standards for healthcare. Minimises occupational risks in dental practice		
Learning Outcomes	**Knowledge**	**Learning Outcomes**	**Knowledge**
	The student/graduate accumulates, describes, analyzes, and evaluates specialized knowledge regarding the structures of the dento-maxillary apparatus, as well as preventive diagnostic and treatment principles specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate integrates and applies specialty competencies necessary for prevention activities regarding abnormalities and diseases of the teeth, jaws, and related tissues. Assesses, analyzes, differentiates, estimates, interprets, and uses the accumulated information, knowledge, skills, and responsibilities to obtain the competencies necessary for practicing the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Preventing dental caries by fighting bacterial plaque. Chemical methods to combat bacterial plaque	2
2. Tooth brushing aids	2
3. Prevention of dental caries through endogenous and exogenous intake of fluoride	2
4. Methods of fluoride administration.	2
5. Sealing fissures and pits - a means of preventing dental caries	2

6. The cario-protective role of saliva	2
7. Prevention of chronic marginal periodontitis	2
8. Descaling	2
9. Prevention of dento-maxillary anomalies	2
10. Treatment of dentine hypersensitivity - clinical approach	2
11. Secondary prevention of dental caries	2
12. Methods of preventing congenital malformations	2
13. Prevention of oro-facial tumors	2
14. Pain in the cervico-facial region	2
Seminary / Laboratory / Clinical Internship content - Analytical Syllabus	**No. hours**
1. Practical Techniques for Plaque Detection and Application of Chemical Agents	2
2, Hands-On Training: Correct Use of Toothbrushes, Interdental Brushes, and Oral Hygiene Devices	2
3. Measuring Fluoride Levels in Water and Practical Application of Fluoride Products	2
4. Clinical Application of Topical Fluoride: Gels, Rinses, and Varnishes	2
5. Step-by-Step Fissure and Pit Sealing Techniques on Simulated Teeth	2
6. Saliva Collection, Testing, and Stimulation Techniques	2
7. Scaling, Root Planing, and Periodontal Maintenance Techniques	2
8. Manual and Ultrasonic Scaling: Practical Skills for Plaque and Tartar Removal	2
9. Functional Appliance Use and Orthodontic Screening Techniques	2
10. Application of Desensitizing Agents and Laser Therapy for Hypersensitivity Management	2
11. Clinical Identification and Restoration of Incipient Caries Lesions	2
12. Counseling Techniques and Nutritional Planning for Prenatal Oral Health	2
13. Oral Cancer Screening: Visual and Tactile Examination Techniques	2
14. Evaluation and Management of Cervico-Facial Pain: Case Simulations	2

Minimal bibliography

The support course of the discipline.
Prevention in Clinical Oral Health Care by David P. Cappelli and Connie Chenevert Mobley, 2007
Oxford Handbook of clinical Dentistry by Bethany Rushworth and Anastasios Kanatas, 2020
Comprehensive Preventive Dentistry, Hardy Limeback, 2012

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Combining teaching methods with practic examples in order to achieve knowledge and skills according to national and international standards

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive program,multimedia,practical examples
Laboratory	Interactive program,multimedia,practical examples

Minimum performance standard - The minimum work to be done by the student to the practical work to be admitted to the final check

Clinical Identification of Incipient Caries Lesions

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- the final answer at the practical exam at laboratory	**20 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activity like homework / reports / essay / translation / projects etc.	**0 %**
- other activity	**0 %**

Describe the practical ways of final assessment, E: Written work (descriptive)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
- being present at practical trainings - full answer of periodic control works - the full answer to half of the given subjects in the written exam.	- full answer of the practical exam - the correct answer to all the given subjects in the final assessment.

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THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Hygiene**					
Didactic function, name and surname of the course holder	**Lecturer PhD Mușat Simona Nicoleta**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 3.6.15**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**E**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**1**	Of which course hours	**1**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**14**	Of which course hours	**14**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**36 hours**
1. Deciphering and studying course notes	13
2. Study after textbook, course support	13
3. Study of the indicated minimum bibliography	0
4. Additional documentation in the library	0
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	0
7. Preparation of control papers	0
8. Preparation of oral presentations	0
9. Preparation of final exam	10
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Hygiene**		
Professional competences specific to the discipline	Developing the capacities for selection, combination and appropriate use of the set of knowledge and skills specific to the activity in the field of general and special hygiene, in order to successfully resolve problem situations in conditions of effectiveness and efficiency.		
Transversal competencies	Developing capacities that transcend the specialization of dentistry: professional skills at the level of the practice office, oral (with the patient) and written communication skills, respecting and developing professional values and ethics, becoming familiar with the basic notions of hygiene necessary in current medical practice, acquiring knowledge of medical ecology and environmental ecology, interpreting analysis reports (DMA and DmA) and classifying them according to the hygiene and public health norms in force.		
The general objective of the discipline	Familiarization with the fundamental notions of hygiene and the concept of prophylaxis.		
The specific objective of the discipline	Assimilation of the knowledge necessary for a dentist regarding the hygienic and sanitary norms imposed by the legislation in force; making the student aware of the importance of health education and acquiring the methods of presenting the primary notions of health education for the different categories of the population, familiarization with the specific notions of hygiene, prophylaxis and health education, in the context of acquiring the specialized vocabulary, used within the general medical vocabulary.		
ESCO competencies 2261	Provides treatment strategies for human health challenges. Provides nutrition counseling and its impact on oral health		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies and appropriately assesses/analyzes the influence of the natural and social environment on the health status of the human organism, with particularities for dentistry/dental medicine.	The student/graduate identifies, evaluates and interprets the social, cultural and environmental factors that contribute to the maintenance of health or the development of diseases.	The student/graduate informs, explains, and educates patients regarding the etiology and prevention of oro-maxillo-facial disorders.

The content of the course – Analytical Syllabus	**No. hours**
1 Hygiene and preventive medicine. Definition, content. Environmental health and the relationship with primary health care; definitions, classification of environmental factors, the concept of prophylaxis.	2
2 Air and health. Chemical composition of air. The notion of pollution and the main types of pollution, sources of pollution; classification of sources and pollutants	2
3 Water and health. The hygienic-sanitary and socio-economic importance of water. The role of water in the body, the need and consumption of water. Water sources for the population.	2
4 Home hygiene and its relationship with health. Location, orientation, interior planning, microclimate. Health education regarding measures to prevent discomfort.	2
5 Habitat hygiene, Hygiene of public institutions. Workplace hygiene. Medical and sanitary institutions. Hygienic and sanitary conditions; risks of exposure in medical units. Health education	2

regarding the prevention measures of nosocomial infections.	
6 Food hygiene – food principles, foods, food ration, Health education regarding obesity	2
7 Hygiene in the dental office	2
Minimal bibliography	
Course support 2025-2026	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
The conditions for compliance with the legislation in force at the dental office level.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Power Point presentations

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**85 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**15 %**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Scientific Report, **E:** Written work (descriptive)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
superficial basic concepts, extensive vocabulary acquisition.	all the concepts, skillful use of medical vocabulary

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THE DISCIPLINE FILE

Faculty	**MEDICINE**
Department	**THE DEPARTMENT OF MEDICAL-SURGICAL DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Forensic medicine**					
Didactic function, name and surname of the course holder	**Lecturer PhD Rață Horia Mihail**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 3.6.16**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**C**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**O**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**1**	Of which course hours	**1**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**14**	Of which course hours	**14**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**36 hours**
1. Deciphering and studying course notes	5
2. Study after textbook, course support	5
3. Study of the indicated minimum bibliography	5
4. Additional documentation in the library	5
5. Specific training activity seminar and / or laboratory	3
6. Achievement homework, reports, essay, translations etc	0
7. Preparation of control papers	0
8. Preparation of oral presentations	0
9. Preparation of final exam	13
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	0
14. Examinations	0
15. Other activities	0

The name of the course	**Forensic medicine**		
Professional competences specific to the discipline	Familiarization with the existing forensic terminology in Romania in accordance with the provisions of O.G. 1/2000 regarding the organization of the forensic medicine network in Romania. Acquisition of elementary notions regarding the notion of crime and criminal act. Elements of forensic traumatology. Forensic examination of persons subject to expertise. Preparation and elaboration of documents with forensic content		
Transversal competencies	Collaboration with the competent bodies: Justice, Prosecutor's Office, Police. Working in complex teams formed by Prosecutor, Police Officer and Doctor, Forensic Expert. Collaboration with the competent bodies of the Romanian College of Physicians in order to judge disputes, deontological and disciplinary violations of doctors.		
The general objective of the discipline	The curriculum aims to provide students of the Faculty of Dental Medicine with basic knowledge in the field of implications of medicine in justice, general and systemic traumatology, traumatic injuries OMF, causes of violent and non-violent death, thanatogenerative mechanisms, intoxications. It also provides elementary notions of forensic causation and specific odonto-stomatological criteria in forensic identification and civil or criminal medical liability.		
The specific objective of the discipline	The student will know basic notions of forensic medicine, will know how to perform practical laboratory work, conduct a forensic consultation, will acquire knowledge about the main sources of malpractice in dental practice, will learn to assess the age of corpses based on the appearance of the dentition and the bones of the facial massif.		
ESCO competencies 2261	Multitasks		
Learning Outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate recognizes, describes, and evaluates the particularities of forensic diagnosis, specific methods and techniques; explains, interprets, and correlates the principles of forensic medicine with the legal, ethical, and technical aspects of forensic investigations, with particularities for dentistry/dental medicine.	The student/graduate applies, adapts, and synthesizes specific methods and techniques to correctly carry out forensic investigations and to draft relevant reports.	The student/graduate develops, coordinates, and integrates forensic processes, respecting professional standards and collaborating with legal authorities and interdisciplinary teams.

The content of the course – Analytical Syllabus	**No. hours**
1. Introductory notions. Brief history of Romanian forensic medicine. Definition. Basic principles of forensic medicine. Relations between forensic medicine and law. Forensic findings and expertise. The role of the dental specialist in forensic medicine. Organization of the forensic medicine network in Romania.	2
2 Forensic thanatology. Definition. The importance of knowing the elements of thanatology and thanatogenesis in the practice of dental medicine. Definition and diagnosis of death. Stages of	2

death. Notions of thanatosemiology. The manner and medical cause of death. Forensic autopsy. Internal and external examination of the corpse. Thanatostomatology.	
3 General traumatology. Classification of traumatic agents. Elementary traumatic injuries. Methodology of forensic clinical examination and classification of injuries in relation to the provisions of the Criminal Code. Special considerations regarding non-fatal traumatic injuries. Vital character of injuries. Evaluation of disability and aesthetic damage.	2
4 Special traumatology. Traumatic craniocerebral and maxillofacial injuries. Craniocerebral trauma definition. The main types of traumatic cranial and meningocerebral bone injuries. Mechanisms of injury production. Clinical signs and symptoms of brain injuries. Complications. Traumatic OMF injuries and their classification. Morphofunctional features of the facial regions. Definition and medico-legal odontostomatological objectives. Traumatic dento-alveolar injuries. Post-traumatic complications. OMF injuries in aggressions, road accidents, falls, precipitations and injuries caused by physical agents.	1
5 General toxicology. Toxic. Intoxication. Toxicity. Classification of poisonings. Pathways of toxicants penetration into the body. Classification of toxicants. Oral and dental manifestations in acute and chronic poisonings. Drug poisonings. Thanatogenesis in poisonings.	1
6 Forensic identification. Dental identification systems. General notions regarding identification. Interdisciplinary concerns in forensics. Anthropological methods. Lesion biotraceology. Facial reconstruction from dental traces. Value and limits of prosthetic works in identification. Establishment of species, age, sex and particular dental characters. Modern advances in identification. Interdisciplinary aspects	2
7 Forensic causality. Interpretation of professional negligence in dentistry. Determinism. Causal processes and causal links. Cause-effect relationship. Condition and circumstances. Direct causal link and indirect link. Causal relationships. Particularities of dental treatment and accidental risk factors in oral and dental therapy. Therapeutic emergencies and therapeutic accidents. Types of professional negligence in dentistry.	2
8 Medical liability in civil or criminal law. Elementary notions of medical law and deontology. Ethical and legal criteria of professional medical liability in criminal and civil law. Forensic expertise in cases where the dentist's liability is claimed. Principles of expertise in therapeutic accidents. Application of the principles of medical liability in OMF surgery. Disciplinary and administrative liability of the doctor.	2
Minimal bibliography	
Course support 2025-2026	

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health
Knowledge of medical and forensic legislation in Romania in order to correctly prepare medical documents. Acquisition of basic notions of the relationship between medicine and criminal law, civil law, family law, labor law and administrative law. Acquisition of basic notions of deontology and ethics in medical practice.

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Presentation of the material according to the analytical curriculum, projection of related imagery, powerpoint presentations. Interactive programmed learning.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**60 %**
- periodic testing by control papers	**40 %**

- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Written work (descriptive and test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• passing the practical exam • attendance at practical work (90%) • mandatory make-up of absences Requirements for grade 10 (or how grade 10 is awarded) • knowledge of the medico-legal and criminal legislation in force	• mastering the specialized terminology and using it in context appropriately • explaining and interpreting the theoretical and practical content of the discipline in an interdisciplinary manner with dentistry

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THE DISCIPLINE FILE

Faculty	**Faculty of Educational Sciences, Communication and International Relations**
Department	**THE DEPARTMENT OF COMMUNICATION AND PUBLIC RELATIONS**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Specialized communication in English II**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Radu Mirela**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 3.5.18**	The formative category of the discipline		**CD**		
Academic year	**III**	Semester*	**I**	Type of final evaluation (**E, V, C**)		**V**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	7
2. Study after textbook, course support	0
3. Study of the indicated minimum bibliography	0
4. Additional documentation in the library	5
5. Specific training activity seminar and / or laboratory	3
6. Achievement homework, reports, essay, translations etc	0
7. Preparation of control papers	3
8. Preparation of oral presentations	0
9. Preparation of final exam	2
10. Consultations	0
11. Documentation on the field	0
12. Documentation on the Internet	0

13. Tutoriing	2
14. Examinations	0
15. Other activities	0

The name of the course	**Specialized communication in English II**
Professional competences specific to the discipline	1. Knowledge and understanding (knowledge and appropriate use of specific notions specific to the discipline- Being an important discipline in the curriculum, it aims to review both linguistic and grammatical knowledge of general English, as well as the assimilation and fixation of specialized, medical language elements. The seminar therefore aims to review the grammatical and lexical structures frequently encountered in medical language, through reading texts, dialogues and applied, interactive exercises graded according to the level of difficulty, leading to good communication in the field. 2. Explanation and interpretation (explanation and interpretation of ideas, projects, processes, as well as the theoretical and practical contents of the discipline): - Development of the ability to understand written text (Reading): - read, translated, answer questions about the text; - identification of key terms/cohesion/coherence elements in the text; - Development of listening comprehension skills (Listening): - identification of correct pronunciation and intonation; identification of register (formal/informal); recognition of fundamental communication strategies (introductory and concluding formulas); - Development of oral expression skills (Speaking): identification and correct use of basic linguistic structures corresponding to different speech acts; correct use of notional and instrumental units; correct use of pronunciation and intonation rules. Developing the ability to express oneself in writing (Writing): correct use of introductory elements; adaptation to the communication situation 3. Instrumental-applicative (designing, leading and evaluating specific practical activities: using methods, techniques and instruments for investigation and application); identifying and using communication strategies, methods and techniques in the medical process; 4. Attitudinal (manifesting a positive and responsible attitude towards the scientific field / centered on democratic values and relations / promoting a system of cultural, moral and civic values / optimal and creative use of one's own potential in scientific activities / involvement in institutional development and in promoting scientific innovations / engaging in partnership relations with other people - institutions with similar responsibilities / participation in one's own professional development): - manifestation of a positive and responsible attitude towards the scientific field; promoting a system of cultural, moral and civic values; optimal and creative use of one's own potential in scientific activities; involvement in institutional development and in promoting scientific innovations; engaging in partnership relationships with other individuals - institutions with similar responsibilities; participating in one's own professional development
Transversal competencies	Realistically resolving - with both theoretical and practical argumentation - common professional situations, with a view to their efficient and ethical solution
The general objective of the discipline	Familiarizing students with the notions and concepts characteristic of medical terminology; Developing theoretical and practical skills in the medical field.

The specific objective of the discipline	The seminar activity is based on reading medical texts, followed by conversation, problematization and acquisition of medical concepts through discovery. All of this is achieved through explanation, deductive methods, association, exemplification, presentation, role-playing, repetitive practice, drills, development of schemes, visualization techniques, frontal, individual activities.		
ESCO competency 2261	Multitasks. Interacts with healthcare users		
Learning outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate describes synchronically and diachronically the main linguistic phenomena and grammatical constructions of English and Romanian and analyzes texts in English and Romanian.	The student/graduate applies linguistic norms both in the mother tongue and in the studied foreign languages.	The student/graduate uses appropriate expressions and words in the production of oral and written texts.

The content of the course – Analytical Syllabus	**No. hours**
1 Types of Human Dentition. Stages of teeth development.	2
2 Anatomy of the tooth. Developmental anomalies.	2
3 Types of teeth. Numbering systems.	2
4 Anatomy of oral cavity.	2
5 Anatomy of the mandible and maxilla.	2
6 Muscles of facial expression.	2
7 Dental specialists. Dental procedures.	2
8 Dental instruments.	2
9 Dental examination. Preventive measures.	2
10 Restaurative procedures.	2
11 Anesthesia in dentistry.	2
12 Anatomy of periodontium.	2
13 Teeth malformations	2
14 Examination	2

Minimal bibliography

Anatomy and physiology

Barbara A. Gylys, Medical Language Lab for Medical Terminology Systems, 8th Edition, F A Davis Co, 2017

Davi-Ellen Chabner, Medical Terminology: A Short Course, 9th Edition, Elsevier, 2022

Elaine N Marieb (Holyoke Community College) Suzanne M. Keller (Indian Hills Community College), Essentials of Human Anatomy & Physiology, Pearson, 2021

Jordi Vigue, Atlas of Human Anatomy, Chambarlen International Limited, 2018

Ken Ashwell, The Anatomy Student's Revision Workbook: Volume One, Quarto Publishing Group UK, 2018

Richard Drake & A. Wayne Vogl & Adam W. M. Mitchell, Gray's Anatomy for Students, 4th Edition, Elsevier, 2019

Susannah Longenbaker Mader's Understanding Human Anatomy & Physiology, 10th Edition, McGraw-Hill Education, 2019

Thomas Schnalke, Dame Sue Black Anatomy-Exploring the Human Body, Phaidon Press Ltd, 2019

Grammar

Andreea S. Calude, Laurie Bauer, Mysteries of English Grammar. A Guide to Complexities of the English Language, Routledge, 2021

Kaufman Lester, The Blue Book of Grammar and Punctuation: An Easy-To-Use Guide with Clear Rules, Real-World Examples, and Reproducible Quizzes, Jossey Bass Publishing House, 2021 Michael McCarthy, English Grammar. The Basics, Routledge, 2021 Raymond Murphy, English Grammar in Use, Fifth Edition, Cambridge University Press Thomas Celentano, The Big Book of English Grammar for ESL and English Learners. Prepositions, Phrasal Verbs, English Articles , Gerunds and Infinitives, Irregular Verbs, and English Expressions, Independently Published, 2020

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Mode of transmission of information:	
Forms of activity	**Teaching methods used**
Course	Interactive programmed learning; multimedia projection of course material.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**0 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**0 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E:
Practical Individual Exam, Scientific Report, Descriptive Written Work **, E:** Written work (descriptive and test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)

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THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Geriatric dentistry**					
Didactic function, name and surname of the course holder	**Assoc. Prof. PhD Florescu Anamaria**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 3.6.21**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**C**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	-
2. Study after textbook, course support	10
3. Study of the indicated minimum bibliography	-
4. Additional documentation in the library	-
5. Specific training activity seminar and / or laboratory	-
6. Achievement homework, reports, essay, translations etc	2
7. Preparation of control papers	-
8. Preparation of oral presentations	-
9. Preparation of final exam	4
10. Consultations	-
11. Documentation on the field	-
12. Documentation on the Internet	6

13. Tutoriing	-
14. Examinations	-
15. Other activities	-

The name of the course	**Geriatric dentistry**		
Professional competences specific to the discipline	Knowledge of the oral pathology correlated with the general health of the elderly.		
Transversal competencies	Correct use of medical vocabulary; effective use of information sources and communication resources Identifying the roles and responsibilities of teamwork Being able to work in a team with general practitioners (cardiologists, gastroenterologists, etc.). Taking part in different scientific student events		
The general objective of the discipline	Establishing the link between the physio-pathological changes of the general health of the elderly patient and the local state of maxillary		
The specific objective of the discipline	Identify the general pathology patient with high risk regarding dento-maxillary area. Knowledge of the physiological and pathological changes specific to the aging process in the dento-maxillary area Knowledge of the restorative and prosthetic treatment of the elderly patient.		
ESCO competency 2261	Develops a collaborative therapeutic relationship. Provides informed consent counseling to healthcare users. Demonstrates empathy towards healthcare users.		
Learning outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate accumulates, describes, analyzes, and evaluates specialized knowledge regarding the structures of the dento-maxillary apparatus, tooth and jaw pathology, dental and dentoalveolar abnormalities, congenital malformations, as well as diagnostic and treatment principles (prophylactic, preventive, interceptive, and curative) specific to dentistry, using classical or digital methods/techniques.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.	The student/graduate acquires and demonstrates supervised specialty clinical experience. Gradually and stepwise performs practical and clinical procedures necessary to ensure the professional competencies (knowledge, skills, and abilities) specific to the profession of dentist.

The content of the course – Analytical Syllabus	**No. hours**
1. Geriatric dentistry- definition, stages of evolution	2
2. Physiological and pathological aspects of the aging process. Facial aging	2
3. Pathological changes of the dento-maxillary structures associated with aging	2
4. Oral cavity changes due to aging	2
5. Age-related changes in teeth	2

6. TMJ Disorders	2
7. Masticatory Ability and Masticatory Efficiency	2
8. General principles in the treatment of elderly patients	2
9. Dental biomaterials used in geriatric dentistry	2
10. Caries lesion in elderly patients -Root caries lesions- clinical appearance, diagnosis, treatment	2
11. Direct restorations	2
12. Endodontic treatment for elderly patients.	2
13. Prosthetic restorations for elderly patients.	2
14. Clinical cases	2

Minimal bibliography

1. Holm-Pedersen Poul.Textbook of Geriatric Dentistry Editura: Wiley-Blackwell, 2015, ISBN10: 1405153644
2. Oral Rehabilitation for Compromised and Elderly Patients, Editors: Mersel, Alexandre, 2019
3. Geriatric Dentistry – Caring for Our Aging Population By Syed Arslan -25/06/2017 https://arslanlibrary.com/geriatric-dentistry-caring-aging-population/

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

1. The knowledge of the anatomical and physiological features of the dento-maxillary area in the elderly patients determines their reintegration in the normal life.
2. The interaction of dentists with other specialists can lead to a correct and early diagnosis which allows obtaining individualized therapeutic solutions.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive presentation of the material according to the analytical program, using multimedia means, power point presentations, didactic videos, debates, study topics

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**90 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**10 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Written work (descriptive and test)

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)
• Course attendance • Acquiring specialized terms and their proper use	In addition to the minimum requirements for grade 5: • Mastering the entire course of the discipline, along with studying other specialized books • Ability to explain and interpret the theoretical contents of the discipline • Ability to synthesize; logical thinking

„TITU MAIORESCU" UNIVERSITY OF BUCHAREST
ACADEMIC YEAR 2025-2026

THE DISCIPLINE FILE

Faculty	**DENTAL MEDICINE**
Department	**THE DEPARTMENT OF SPECIALIZED DENTAL MEDICINE DISCIPLINES**
Domain of study	**HEALTH**
Study cycle	**LICENCE STUDIES**
Study program	**Dental Medicine**

Discipline name	**Bionanomaterials in dental medicine**					
Didactic function, name and surname of the course holder	**Prof. PhD Bechir Anamaria**					
Didactic function, name and surname of the laboratory holder	**-**					
The discipline code	**DM 3.6.22**	The formative category of the discipline		**DD**		
Academic year	**III**	Semester*	**II**	Type of final evaluation (**E, V, C**)		**C**
The discipline regime (O-obligatory, Op-optional, F-facultative)			**Op**	Number of credits		**2**

* *If the discipline has more semesters of studies, it will be fulfil a file for each semester*

Number of hours per week	**2**	Of which course hours	**2**	seminary / laboratory / clinical internship	**-**
Total hours of the curriculum	**28**	Of which course hours	**28**	seminary / laboratory / clinical internship	**-**
		Total hours per semester	**50**		

Distribution of Time	**22 hours**
1. Deciphering and studying course notes	3
2. Study after textbook, course support	3
3. Study of the indicated minimum bibliography	3
4. Additional documentation in the library	2
5. Specific training activity seminar and / or laboratory	0
6. Achievement homework, reports, essay, translations etc	0
7. Preparation of control papers	2
8. Preparation of oral presentations	0
9. Preparation of final exam	3
10. Consultations	1
11. Documentation on the field	0
12. Documentation on the Internet	2
13. Tutoriing	1

14. Examinations	2
15. Other activities	0

The name of the course	**Bionanomaterials in dental medicine**		
Professional competences specific to the discipline	- Presentation and thoroughgoing study of the aspects related to the preparation and use of dental bionanomaterials; - Assimilation by students of the composition and properties of dental bionanomaterials, the methods of presentation, indications and contraindications of different categories of dental nanomaterials; - Assimilation by students of preparation techniques and use of dental bionanomaterials, in order to possess the necessary knowledge for their correct and efficient use in practice. - Acquiring the resistance in time, the way of keeping and the good storage of the dental bionanomaterials; - Acquiring the biocompatibility characteristics of dental bionanomaterials. - Knowing how to choose the dental material according to their use, from the many bionanomaterials on the market.		
Transversal competencies	- The knowledge of the current high-performance dental bionanomaterials, respectively of the modern equipment needs of the dental office include their marketing and the correct management.		
The general objective of the discipline	Students should acquire the necessary knowledge for the correct and efficient use of dental bionanomaterials in current practice, both for the realization of conservative and restorative therapy, respectively for dental prophylaxis, and for the correct realization of prosthetic restorations.		
The specific objective of the discipline	Students should acquire the ability to understand the various aspects related to the composition, properties, handling, indications, contraindications of different classes of dental bionanomaterials with major application implications in the correct dental treatments. Learning the correct techniques for preparing and handling dental bionanomaterials used in the dental office is the specific objectives of this discipline.		
ESCO competency 2261	Multitasks		
Learning outcomes	**Knowledge**	**Skills**	**Responsibility and autonomy**
	The student/graduate identifies, classifies, and describes the physico-chemical, biological, and mechanical properties of dental materials used in clinical practice and in the laboratory. Recognizes indications, contraindications, and interactions between dental materials and oral tissues.	The student/graduate selects, prepares, and correctly manipulates dental materials according to clinical indications. Applies principles of critical evaluation regarding their quality, durability, and biocompatibility. Is able to correlate material selection with the clinical situation and the patient's needs.	The student/graduate demonstrates responsibility in using dental materials in accordance with safety standards and current regulations. Assumes professional autonomy in decision-making regarding material selection and promotes ethical and responsible behavior in relations with the patient and the medical team.

The content of the course – Analytical Syllabus	**No. hours**
1. Introductory course	2
2. Biocompatibility of materials	2
3. Classification of biocompatible nanomaterials	2
4. Metallic and polymeric biomaterials	2
5. Composite and ceramic biomaterials	2

6. Characteristics of biomaterials	2
7. Biocompatibility tests	2
8. Biological testing of biomaterials	2
9. Corrosivity	2
10. Tissue reactions, sensitization and allergies	2
11. Biological testing of biomaterials	2
12. Potential risks after administration of bionanoparticles	2
13. Applications of bionanomaterials in dentistry	2
14. Applications of bionanomaterials in dentistry	2

Minimal bibliography

1. Lecture notes
2. Seyed Shahabeddin Mirsasaani, Maedeh Hajipour Manjili and Nafiseh Baheiraei (2011). Chapt. 19, Dental Nanomaterials, Advances in Diverse Industrial Applications of Nanocomposites, Dr. Boreddy Reddy (Ed.), ISBN: 978-953-307-202-9, InTech, Available from: http://www.intechopen.com/books/advances-in-diverseindustrial-applications-of-nanocomposites/dental-nanomaterial
3. Jandt KD, Watts DC. Nanotechnology in dentistry: Present and future perspectives on dental nanomaterials. *Dent Mater*. 2020;36(11):1365-1378. doi:10.1016/j.dental.2020.08.006
4. Foong, LK; Foroughi, M.M.; Mirhosseini. A.F.; et al. Applications of nano-materials in diverse dentistry regimes, RSC Adv., 2020, 10, 15430–15460, https://pubs.rsc.org/en/content/articlepdf/2020/ra/d0ra00762e

Optional bibliography

1. Feng X, Chen A, Zhang Y, Wang J, Shao L, Wei L. Application of dental nanomaterials: potential toxicity to the central nervous system. *Int J Nanomedicine*. 2015;10(1):3547-3565 https://doi.org/10.2147/IJN.S79892
2. Mahmoud Nasrollahzadeh, S. Mohammad Sajadi, Mohaddeseh Sajjadi, Zahra Issaabadi, Interface Science and Technology, Chapter 4 - Applications of Nanotechnology in Daily Life, Elsevier, 2020
3. Jung-Hwan Lee, Hae-Won Kim, Seog-Jin Seo, "Polymer-Ceramic Bionanocomposites for Dental Application", *Journal of Nanomaterials*, vol. 2016, Article ID 3795976, 8 pages, 2016.https://doi.org/10.1155/2016/3795976

Corroborating the contents of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field of Health

Scientific manifestations and meetings with representatives of the epistemic community, professional associations, and representative employers are organized, and the way in which the graduates meet the expectations of the representatives is appreciated, then the contents of the discipline are adjusted to satisfy these expectations.

Mode of transmission of information:

Forms of activity	**Teaching methods used**
Course	Interactive presentation of the teaching material according to the analytical program, using the multimedia projection of the course through PowerPoint presentations, demonstrative films, and debates on the discussed topics.

For the final grade is taken into account	**Total = 100%**
- the answer at the exam / final evaluation	**80 %**
- periodic testing by control papers	**0 %**
- continuing testing during the semester	**0 %**
- activiry like homework / reports / essay / translation / projects etc.	**20 %**
- other sctivity	**0 %**

Describe the practical ways of final assessment, E: Written Work (**test)**

Minimum requirements for 5 grade (Or how to assign 5 grade)	**Minimum requirements for 10 grade** (Or how to assign 10 grade)

· Average volume and average correctness of knowledge; · The average organization of the content of the taught subject; · The average scientific rigor of language; · Passing the final exam with the minimum grade of 5.	· In-depth correctness of knowledge; · Maximum organization of the content of the taught subject; · Interdisciplinary approach to aesthetic problems; · The maximum scientific rigor of language.