



## Conservative dentistry and endodontics

<b>1. IMPRINT</b>	
<b>Academic Year:</b>	2023/2024
<b>Faculty:</b>	Medical and Dental Faculty
<b>Field of Study:</b>	English Division Dentistry
<b>Leading Discipline</b>	Medical science
<b>Study Profile</b>	General academic
<b>Level of studies</b>	Uniform MSc
<b>Form of studies</b>	Full time program
<b>Type of module / course</b>	Obligatory
<b>Form of verification of learning outcomes</b>	Exam
<b>Educational Unit</b>	Department of Conservative Dentistry Medical University of Warsaw Binieckiego str 6, 02-097 Warsaw, tel.: +48 22 116 64 46 e-mail: sekretariat.zachowawcza@wum.edu.pl
<b>Head of Educational Unit</b>	Prof. Agnieszka Mielczarek PhD, DDS agnieszka.mielczarek@wum.edu.pl
<b>Course coordinator</b>	Prof. Agnieszka Mielczarek PhD, DDS agnieszka.mielczarek@wum.edu.pl
<b>Person responsible for syllabus</b>	lek. dent. Katarzyna Król DDS, katarzyna.krol@wum.edu.pl
<b>Teachers</b>	prof. Agnieszka Mielczarek DDS, PhD - agnieszka.mielczarek @wum.edu.pl Marcin Aluchna DDS, PhD - marcin.aluchna@wum.edu.pl Aniela Brodzikowska DDS, PhD – aniela.brodzikowka@wum.edu.pl Joanna Rudnicka DDS, PhD - joanna.rudnicka@wum.edu.pl Ewa Rusyan DDS, PhD – ewa.rusyan@wum.edu.pl Milena Marcinkowska-Ziemak DDS, PhD – milena.marcinkowska-ziemak@wum.edu.pl Anna Haładyj DDS - anna.haladyj@wum.edu.pl Juliusz Kosewski DDS – Juliusz.kosewski@wum.edu.pl Anna Kwiatkowska DDS – anna.kwiatkowska@wum.edu.pl Iwona Raczycka DDS – iwona.raczycka@wum.edu.pl Magdalena Sobecka-Frankiewicz DDS – magdalena.sobecka-frankiewicz@wum.edu.pl Aneta Zduniak DDS – aneta.zduniak@wum.edu.pl

Przemysław Zwierz DDS – przemyslaw.zwierz@wum.edu.pl Konrad Michałowski DDS – konrad.michalowski@wum.edu.pl Sylwia Kozikowska DDS – sylwia.kozikowska@wum.edu.pl lek. dent. Katarzyna Więcek DDS – katarzyna.wiecek@wum.edu.pl			
<b>2. BASIC INFORMATION</b>			
Year and semester of studies	V year, IX and X semester	Number of ECTS credits	11
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)		-	-
Seminar (S)		15*	0,6
Practical classes (PC)		125	4,3
Work placement (WP)		-	-
<b>Unassisted student work</b>			
Preparation for classes and completions		170	6,1
		* Contact classes	
<b>3. COURSE OBJECTIVES</b>			
O1	Formulating a comprehensive treatment plan for the dental patient		
O2	Performing a full range of prophylactic treatments		
O3	Improving the ability to diagnose and treat diseases of teeth and periapical tissues using current standards		
O4	Planning prophylactic and therapeutic care for healthy patients with systemic disease		
<b>4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING ()</b>			
Code and number of effects of learning in accordance with standards of learning	Effects in time		
<b>Knowledge – Graduate* knows and understands:</b>			
F.W2.	principles of prophylaxis and treatment of masticatory system disorders at different stages of development;		
F.W4.	symptoms, course, and management of specific diseases of the oral cavity, head and neck in different age groups;		
F.W5.	procedure for pulp diseases, mineralized dental tissues, and injuries to teeth and face bones;		
F.W6.	knows the principles related to administration of local anaesthesia of masticatory organ tissues;		
F.W11.	indications and contraindications for cosmetic dentistry treatments;		
F.W12.	causes of complications in the stomatognathic system diseases and the procedures for such complications;		

F.W19.	pathomechanism of oral diseases and their impact on general health;	
F.W21.	prevention of oral disease;	
F.W22.	procedure for diseases of masticatory apparatus tissues, injuries to teeth and jaw bones;	
<b>Skills– Graduate* is able to:</b>		
F.U7.	determine indications and contraindications for a specific dental procedure;	
F.U8.	treat acute, chronic, odontogenic, and non-odontogenic inflammatory processes in soft tissues of the oral cavity, periodontium and jawbone;	
F.U9.	provide treatment in the event of general and local complications during and after dental procedures;	
F.U15.	determine the treatment of stomatognathic system tissue diseases;	
C.U11	select restorative, prosthetic, and bonding biomaterials based on the properties of the materials and clinical conditions;	
<b>5. ADDITIONAL EFFECTS OF LEARNING</b>		
<b>Number of effect of learning</b>	<b>Effects of learning in time</b>	
<b>Knowledge – Graduate knows and understands:</b>		
-	-	
<b>Skills– Graduate is able to:</b>		
-	-	
<b>Social Competencies – Graduate is ready for:</b>		
K.01	independently performance of assigned tasks	
K.02	the importance of continuous improvement of knowledge and skill	
<b>6. CLASSES</b>		
<b>Form of class</b>	<b>Class contents</b>	<b>Effects of Learning</b>
<b>Seminars</b>	S.1. Discussion of clinical cases <i>Etiology, diagnosis, and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 1)</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.2. Discussion of clinical cases <i>Etiology, diagnosis, and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 2)</i>	F.W2. , F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.3. Discussion of clinical cases <i>Etiology, diagnosis and therapy of selected oral diseases in the aspect of comprehensive dental care- (part 3)</i>	F.W2. , F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22
	S.4. Use of dental materials in clinical practice <i>Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 1)</i>	F.W5., F.W6., F.W7., F.W8., F.W12., F.W13., F.W16.,F.W19., F.W22., E.W12.
	S.5. Use of dental materials in clinical practice <i>Division, features, indications, bioactive materials, cytotoxic and mutagenic effects, clinical cases- (part 2)</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.

	S.6. Practical application of dental materials <i>Bioactive materials, characteristics, indications, practical demonstration</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.7. Use of dental materials in practice <i>Aesthetic restorations of teeth, working techniques, preparation principles, correct preparation of the filling, clinical cases</i>	F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22.
	S.8. Credit test – organized by course coordinator <i>Verification of knowledge gained during the seminars 25 questions, 3 distractors, 1 correct answer. Obtaining a minimum of 60% of the correct answers (15 questions) is obligatory to pass the test.</i>	F.W2.,F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21.,F.W22.
<b>Clinical classes</b>	<p>C- Working with the dental team, according to the principles of ergonomics, subjective and physical examination of the patient, assessment of the caries risk and establishment of a treatment plan, performing prophylactic procedures in hard dental tissues, proper diagnosis and treatment of caries and non-carious lesions, keeping medical records.</p> <p>Clinical classes topics*:                      C1. Maintenance of current patient records in KS-Somed, application of updates made.                      C2. - C10. Physical examination of the oral cavity including potentially malignant conditions, communication with the dental patient.                      C11. - C30. Planning and carrying out preventive and therapeutic procedures in healthy patients and patients with systemic disease.                      C31. - C36. Planning and carrying out preventive and therapeutic interventions in senior patients.                      C37. - C39. Differentiating pain of dental origin.                      C40. - C41. Using appropriate medications during and after a dental procedure to relieve pain and anxiety.                      C42. - C43. Indications and principles of antibiotic use in the treatment of dental infections in immunocompetent and immunocompetent patients.                      C44. - C46. Prevention of potential complications of endodontic treatment.                      C47. - C49. Monitoring and evaluating the effectiveness of root canal treatment.                      C48. - C50. Revision of endodontic treatment - indications, management.                      C51. Practical examination - part I.                      C52. Practical examination-Part II.                      *Procedures performed during individual clinical classes are adapted to the preventive and therapeutic needs of patients.</p>	F.W2., .W4., F.W5.,F.W6., F.W11., F.W12, F.W19., F.W21., F.W22., F.U7., F.U8., F.U9., F.U15., C.U11., K.01., K.02.
<b>7. LITERATURE</b>		
<b>Obligatory</b>		
<ol style="list-style-type: none"> <li>1. Sturdevant's Art&amp;Science of Operative Dentistry, 7th edition, Roberson T.M., Heymann H.O., Swift E.J., Mosby, St.Louis 2018,</li> <li>2. Essentials of Dental Caries. Fourth Edition Edwina Kidd and Ole Fejerskov, Oxford University Press, Oxford 2016</li> <li>3. Clinical endodontics: a textbook. Tronstadt L., 3rd edition, Georg Thieme Verlag, 2009</li> </ol>		
<b>Supplementary</b>		
<ol style="list-style-type: none"> <li>1. Pickard's Guide to Minimally Invasive Operative Dentistry 10th Edition by Avit Banerjee (Author), Timothy F. Watson (Author), Oxford University Press, 2015</li> <li>2. Ole Fejerskov (Editor), Bente Nyvad (Editor), Edwina Kidd (Editor) Dental Caries: The Disease and its Clinical Management, 3rd Edition, Wiley-Blackwell 2015</li> <li>3. Cohen S., Hargreaves K.M., Pathways of the Pulp, 10th edition, Mosby Elsevier 2011,</li> </ol>		

4. Torabinejad M., Walton R.E., Endodontics, principles and practice, 5th edition, Saunders Elsevier 2009		
<b>8. VERIFYING THE EFFECT OF LEARNING</b>		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
F.W2., F.W4., F.W5., F.W6., F.W11., F.W12., F.W19., F.W21., F.W22., .U7., F.U8., F.U9., F.U15., C.U11., K.01.,K.02.	<p>Attendance at seminars and exercises is obligatory.</p> <p>A condition for passing the clinical classes is a positive assessment by the teacher conducting said clinical classes, confirming the acquisition of the ability to perform specific procedures, reliable maintenance of medical records and a proper attitude towards the patient and medical staff.</p> <p>During the academic year, 2 absences from clinical classes, justified by a medical exemption, are allowed. Additional absences from clinical classes, confirmed by a medical exemption, require making up the classes. The date and form of credit for the exercises should be determined individually with the teacher of the class.</p> <p>Any absence from the seminar must be justified by a medical exemption and requires a passing grade. The date and form of credit for seminars should be determined individually with the dental teacher.</p> <p>The first term of the seminars' verifying test is in written form. The second term of the test - oral (or written) credit – conducted by the teaching assistant. In case of failure to pass the 1st and 2nd terms- the final, 3rd way of verifying knowledge is an oral colloquium at the Head of the Department, by prior arrangement. A negative result of the verifying test will result in failure of the course.</p> <p>Credit for the course is given on the basis of active participation in seminars, passing the verifying test in the field of knowledge presented at seminars, and receiving a positive evaluation from the teacher conducting clinical classes.</p> <p>Admission to the diploma examination is possible after completion of the clinical classes and passing the seminar verifying test.</p> <p>The diploma examination consists of a 2-part practical exam (patient examination, initial treatment plan, completion the procedure of conservative dentistry with endodontics) and theoretical test.</p> <p>Passing the practical test permits taking the theoretical test</p>	<p>Test verifying knowledge from seminars consists of 25 questions - 3 distractors and 1 correct answer.</p> <p>To pass, a minimum of 60% correct answers is required (15 points).</p> <p>Grading scale: 15-16 points: grade 3, 17-18 points: grade 3.5, 19-21 points: grade 4, 22-23 points: grade 4.5, 24-25 points: grade 5.</p> <p>The test examination contains 100 questions- 3 distractors, 1 answer is correct.</p> <p>To pass, a minimum of 55 % correct answers is required</p> <p>Grading scale for the test exam: Less than 55pct - 2.0 55- 64 pts - 3.0 65- 74 pts - 3.5 75- 84 pkt - 4.0 85- 94 pkt - 4.5 95- 100 pkt - 5.0</p> <p>Failing the test will result in a negative final grade on the diploma exam.</p> <p>The final grade from the course is a weighted average of which: 10% is the final grade from the exercises, 30% is the average grade from the two parts of the practical exam and 60% is the grade from the test exam. The final grade in the course is evaluated after obtaining results from the examination test</p> <p>Scale of final grades in the course: 3.0-3.25 - 3.0 (sufficient) 3.3-3.75 - 3.5 (fairly good) 3.8-4.25 - 4.0 (good) 4.3-4.75 - 4.5 (above good) 4,8-5,0 - 5,0 (very good)</p>
<b>9. ADDITIONAL INFORMATION</b> <i>(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)</i>		
<ol style="list-style-type: none"> <li>The knowledge imparted in lectures and seminars takes into account new information and concepts and is enforced at credit colloquia and at the diploma exam.</li> <li>To be admitted to the diploma exam and to complete the course, it is necessary to pass the clinical classes and pass the verifying test of seminars. The first term of the verifying test is in written test form. The second term is in the oral or written test form (responsible person- teaching assistant). In the case of failure in the 1st and 2nd terms- the final, 3rd way of</li> </ol>		

verifying knowledge is an oral colloquium at the Head of the Department, by prior arrangement. A negative result of the colloquium will result in failure to pass the course.

3. Supervisor of the year is Przemysław Zwierz DDS, przemyslaw.zwierz@wum.edu.pl
4. It is required to report to classes on time, comply with sanitary requirements for procedures and personal protective equipment, and disallowed to use cell phones during classes.
5. At the Department of Conservative Dentistry of WUM there is a Student Scientific Circle. The supervisor of the is Dr. Ewa Rusyan, M.D.: e-mail: ewa.rusyan@wum.edu.pl
6. Unit contact: Department of Conservative Dentistry, WUM, 6 Binieckiego St., 02-097 Warsaw, tel: 22 116 64 46, e-mail: sekretariat.zachowawcza@wum.edu.pl

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**ATTENTION**

**The final 10 minutes of the last class in a block/semester/year should be dedicated to students filling out the Course and Academic Teacher Evaluation Surveys.**