



Gerodontology

1. IMPRINT	
Academic year	2026/2027
Faculty	Faculty of Medicine and Dentistry
Field of study	English Dentistry Division
Main scientific discipline	Medical sciences
Study profile	General academic
Level of studies	uniform MSc
Form of studies	Full-time program
Type of module/course	Obligatory
Form of verification of learning outcomes	completion
Teaching unit(s)	¹ Department of Prosthetic Dentistry 6 Stanisława Binińskiego St., 02-097 Warsaw, phone: +48 22 116 64 70 email: katedraprotetyki@wum.edu.pl ² Department of Comprehensive Dentistry 6 Stanisława Binińskiego St., 02-097 Warsaw, phone: +48 22 116 64 19 email: stom.zintegrowana@wum.edu.pl ³ Department of Oral Surgery

Appendix No. 4A to the Procedure for the Development and Periodic Review of Study Programmes
(constituting an appendix to Order No. 68/2024 of the Rector of the Medical University of Warsaw dated 18 April 2024)

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Head(s) of teaching unit(s)	¹ Prof. Jolanta Kostrzewa- Janicka, DDS, PhD ² Assoc. Prof. Dominika Gawlak, DDS, PhD ³ Prof. Andrzej Wojtowicz, DDS, PhD ⁴ Prof. Bartłomiej Górski, DDS, PhD
Course coordinator	¹ Associate Professor Dominika Gawlak, DDS, PhD dominika.gawlak@wum.edu.pl
Person responsible for the syllabus	¹ Associate Professor Dominika Gawlak, DDS, PhD dominika.gawlak@wum.edu.pl
Academic teachers	¹ Department of Prosthetic Dentistry teaching staff: Magdalena Rączkiewicz, DDS, PhD; mrackiewicz@wum.edu.pl Krzysztof Majchrzak, DDS, PhD; kmajchrzak@wum.edu.pl ² Department of Comprehensive Dentistry teaching staff: Professor Izabela Strużycka, DDS, PhD; izabela.struzycska@wum.edu.pl Agnieszka Bogusławska-Kapała, DDS, PhD; aboguslawska@wum.edu.pl Katarzyna Brus-Sawczuk, DDS, PhD; katarzyna.brus-sawczuk@wum.edu.pl Michał Fidecki, DDS; mfidecki@wum.edu.pl Natalia Rogulska, DDS; nrogulska@wum.edu.pl Agnieszka Kwaśniewska, DDS; akwasniewska@wum.edu.pl Aleksandra Wawrzęńczyk, DDS; aleksandra.wawrzenczyk@wum.edu.pl ³ Department of Oral Surgery teaching staff: Professor Andrzej Wojtowicz, DDS, PhD; andrzej.wojtowicz@wum.edu.pl Associate Professor Maciej Czerniuk, DDS, PhD; maciej.czerniuk@wum.edu.pl Piotr Wychowański, DDS, PhD; piotr.wychowanski@wum.edu.pl Krzysztof Kukula, DDS, PhD; krzysztof.kukula@wum.edu.pl Tomasz Kamiński, DDS, PhD; tomasz.kaminski@wum.edu.pl Michał Oszałdowski, DDS; michal.oszaldowski@wum.edu.pl Przemysław Kosewski, DDS; przemyslaw.kosewski@wum.edu.pl Rafał Wojda, DDS; rafal.wojda@wum.edu.pl Marcin Adamiec, DDS, PhD; marcin.adamiec@wum.edu.pl ⁴ Department of Periodontology and Oral Mucosal Membrane Diseases teaching staff: Associate Professor Jan Kowalski, DDS, PhD; jkowalski@wum.edu.pl Andrzej Miskiewicz, DDS, PhD; andrzej.miskiewicz@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	Year 5; Semesters 9 and 10		Number of ECTS credits	3.00
FORMS OF CLASSES		Number of hours	ECTS credit calculation	
Contact hours with an academic teacher				

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Lecture (L)		
Seminar (S)	2	0.08
Classes (C)	43	1.7
E-learning (e-L)		
Practical classes (PC)		
Work placement (WP)		
Independent student work		
Preparation for classes and assessments	30.5	1.22

3. COURSE OBJECTIVES

C1	Acquire knowledge of the planning of and preparation for conservative, surgical and prosthetic treatment, taking into account age-related changes in the stomatognathic system. Understand the physiological changes that occur with age in the periodontium and oral mucosa.
C2	Acquire knowledge of the types of prosthetic restorations, the indications and contraindications for their use, and the clinical and laboratory procedures involved in their fabrication. Develop the ability to diagnose age-related physiological changes in the periodontium and oral mucosa and to differentiate them from pathological processes requiring treatment.
C3	Develop clinical management skills in the prosthetic rehabilitation of older patients, taking into account age-related changes and systemic diseases characteristic of this age group. Develop the skills required to treat oral mucosal and periodontal diseases in older patients.

4. STANDARDS OF LEARNING – DETAILED LEARNING OUTCOMES

Code and number of the learning outcome in accordance with the standards of learning	Learning outcomes
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Knowledge – the graduate* knows and understands:

C.W30.	mechanisms leading to organ and systemic pathologies including infectious, invasive, autoimmune, immunodeficient, metabolic and genetic diseases;
C.W31.	the impact on the patient's body of physical, chemical and biological factors as well as avitaminosis and stress;
C.W32.	basic clinical procedures of periodontal prophylaxis;

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F.W1.	occlusal norms at various stages of individual development and deviations from the norms;
F.W2.	principles of prophylactic and therapeutic procedures in diseases of the masticatory system at various stages of development;
F.W3.	viral, bacterial and fungal flora of the oral cavity and its importance;
F.W4.	symptoms, course and management in selected diseases of the oral cavity, head and neck, considering age groups;
F.W9.	diagnostics and methods of treatment of periodontitis and oral mucosa diseases;
F.W10.	indications and contraindications for treatment with the use of dental implants;
F.W11.	indications and contraindications for esthetic dentistry procedures;
F.W12.	causes of complications of the stomatognathic system diseases and the principles of management in case of such complications;
F.W14.	methods of rehabilitation of the masticatory apparatus;
F.W15.	therapeutic methods for reducing and relieving pain and reducing anxiety and stress;
F.W19.	pathomechanism of the influence of oral cavity diseases on general health;
F.W20.	pathomechanism of the impact of general diseases or therapies on the oral cavity;
F.W21.	prophylaxis of oral diseases;
F.W23.	the specificity of dental care for a patient burdened with a general disease and the principles of cooperation with the physician in charge of the underlying disease.

Skills – the graduate* is able to:

C.U15.	plan the basic stages of prophylactic care for patients in the area of periodontal needs;
E.U16.	recognize dermatoses and collagenoses with symptoms within the oral mucosa;
E.U17.	recognize pathologies related to smoking, alcoholism and other addictions;
E.U18.	diagnose diseases with enlargement of the lymph nodes in the neck and submandibular area as well as infectious diseases, with particular emphasis on changes in the oral cavity;
F.U1.	conduct a medical interview with the patient or his family;
F.U2.	conduct a dental physical examination of the patient;
F.U3.	explain to the patient the essence of his ailments, establish the treatment method confirmed by the patient's informed consent and the prognosis;
F.U4.	provide the patient or his family with information about an unfavorable prognosis;
F.U6.	interpret the results of additional tests and consultations;
F.U7.	determine indications and contraindications for a specific dental procedure;

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F.U9.	proceed in the event of general and local complications during and after dental procedures;
F.U10.	prescribe medications taking into account their interactions and side effects;
F.U11.	keep current patient records, prescribe referrals for tests or for a specialized dental and medical treatment;
F.U15.	establish treatment in diseases of the stomatognathic system tissues;
F.U16.	use appropriate medications during and after dental surgery to relieve pain and anxiety;
F.U17.	diagnose and treat basic periodontal diseases;
F.U22.	perform prosthodontic rehabilitation in simple cases including clinical and laboratory procedures;

**The appendices to the Regulation of the Minister of Science and Higher Education of 26 July 2019 refer to a 'graduate', not a student.*

5. OTHER LEARNING OUTCOMES

Learning outcome number	Learning outcomes
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Knowledge – the graduate knows and understands:

W1	
W2	

Skills – the graduate is able to:

U1	
U2	

Social competences – the graduate is prepared to:

K1	
K2	

6. CLASSES

Form of class	Course content	Learning outcomes
Seminars	Seminar S1: Gerodontology in prosthetic rehabilitation. Age-related anatomical differences in denture-bearing tissues. Characteristics of prosthetic restorations recommended for older patients.	C.W30., C.W31, F.W1., F.W2., F.W3., F.W4., F.W9., F.W10.

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	Seminar S2: Interrelationships between prosthodontics and other fields of medicine. Developing communication skills with older adults.	F.W11., F.W12., F.W14., F.W15., F.W19., F.W20., F.W23.
	Prosthetic Dentistry Prosthetic rehabilitation of the stomatognathic system through the optimal selection of prosthetic restorations for specific conditions of the denture-bearing tissues, with particular emphasis on older patients. The topics of subsequent classes depend on patient availability. C1–C5: Planning prosthetic rehabilitation for older patients. C6–C10: Fabrication of removable and fixed prosthetic restorations for older patients. C11–C15: Follow-up care and prevention of bone loss.	F.U1., F.U2., F.U3., F.U6., F.U7., F.U10., F.U21. F.U22.
Practical classes(Exercise)	Comprehensive Dentistry Classes 1, 2 and 3: Diagnosis of risk factors for oral diseases in older patients. Treatment planning for older adults. Classes 4, 5 and 6: Oral healthcare for older patients and patients with systemic diseases. Classes 7 and 8: Dental prevention of oral diseases in older adults. The class schedule may change depending on patient availability.	F.U1., F.U2., F.U3., F.U6., F.U7., F.U9., F.U11., F.U15., F.U16.
	Oral Surgery Classes 1, 2 and 3: Treatment planning and preparation of older patients for oral surgery procedures. Classes 4, 5 and 6: Selection of optimal treatment methods according to the patient's systemic health conditions. Classes 7, 8, 9 and 10: Indications and contraindications for oral surgery procedures in older patients.	F.U1., F.U2., F.U3., F.U6., F.U7., F.U9., F.U11., F.U15., F.U16., F.U22.
	Periodontology and Oral Mucosal Membrane Diseases Classes 1, 2 and 3: Age-related physiological changes in the periodontium. Classes 4 and 5: The most common periodontal diseases in geriatric patients. Classes 6 and 7: The most common oral mucosal diseases in geriatric patients.	C.W32., C.U15., F.U1., F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U10., F.U11., F.U17. C.W32., F.W21., C.U15., E.U16., E.U18., F.U1., F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U10., F.U11., F.U15., F.U16., F.U17. F.W21., E.U16., E.U17., E.U18., F.U1., F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U10., F.U11., F.U15., F.U16., F.U17.

	Classes 8, 9 and 10: Changes in the oral mucosa and periodontium of geriatric patients associated with chronic systemic diseases and medications.	F.W21., C.U15., E.U16., E.U17., F.U1., F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U10., F.U11., F.U15., F.U16., F.U17.
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7. LITERATURE

¹Obligatory

1. Hayakawa: Principles and Practices of Complete Dentures. Quintessence Publ. Co Ltd 2001.
2. H.T. Shillingburg: Fundamentals of Fied Prosthodontis. Quintessence Publ. Co Ltd 1997.
3. A.B. Carr, G.P Mc Ginvey, D.T. Brown: McCracken's Removable Partial Prosthodontics. St. Louis: Mosby 2004.
4. R.G. Craig, J. M Powers: Restorative Dental Materials. Mosby 2002.

¹Supplementary

1. R.M. Basker, J.C. Davenport: Prosthetic Treatment of the Edentulous Patient. Blackwell Munksgaard 2002.
2. J.A. Hobkirk, R.M.Watson, L. Searson: Introducing Dental Implants. Churvhill Livingstone 2003.

²Obligatory

1. Selected issues of interdisciplinary dental treatment. Part 1. Edition II supplemented Edited by Izabela Strużycka and Agnieszka Bogusławska-Kapała, Department of Integrated Dentistry, Medical University of Warsaw
2. Conservative dentistry with endodontics. Clinical outline. Z. Jańczuk, U. Kaczmarek, M. Lipski, ed. IV, PZWL, Warsaw 2014,
3. Contemporary cariology. Clinical management. Ed. D. Piątowska, Med. Tour Press Int. Med., Warsaw 2009

² Supplementary

1. Endodontics. Ed. A. arabska-Przedpętska, H. Pawlicka, Med. Tour Press Int. Med., Warsaw 2004,
2. Prevention and dental treatment in people with body disorders and diseases. J.Buczkowska-Radlińska, M. Lipski, Publishing house. Pomeranian Medical University in Szczecin, 2011,
3. Odontogenic neoplasms and tumor-like tumors of the jaw bone. Kaczmarzyk T., Stypułkowska J., Tomaszewska R., Czopek J. Wydawnictwo Kwintesencja Warsaw 2009,
4. Contemporary pharmacotherapy in surgical diseases of the oral cavity and surrounding tissues. Handbook for students and doctors. Kaczmarzyk T., Goszcz A., Grodzińska L., Stypułkowska J., Woron J., Zaleska M. Publishing House of the Jagiellonian University, Kraków 2006,
5. Preclinical exercises in orthodontics edited by M. Zadurska - script,
6. Diagnosis and treatment of mucosal diseases edited by R. Górka. Med. Tour Press Int., Warsaw, 2011,
7. Diagnostics of the masticatory organ's musculoskeletal system edited by E. Mierzwińska-Nastalska, Warsaw, 2014.
8. Contemporary dental radiology. Różyło-Kalinowska I., Różyło TK, ed. Czelej, Lublin, 2012.
9. Planning dental treatment. Bain CA., edited by Spiechowicz E., ed. Elsevier Urban & Partner, Wrocław, 2006.

³Obligatory

1. James R. Hupp, Myron R. Tucker, Edward Ellis, III: Contemporary Oral and Maxillofacial Surgery. Mosby 2013; 6th edition
2. Karl R. Koerner: Manual of Minor Oral Surgery for the General Dentist. Wiley-Blackwell 2006; 1st edition
4. Paul Coulthard, Keith Horner, Philip Sloan, Elizabeth Theaker: Master Dentistry Volume 1. Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine. Churchill Livingstone 2013, 3rd edition
5. Roderick A. Cawson, Edward W. Odell: Cawson's Essentials of Oral Pathology and Oral Medicine. Churchill Livingstone 2008, 8th edition
6. James R. Hupp, Elie M. Ferneini: Head, Neck and Orofacial Infections: An Interdisciplinary Approach. Elsevier Inc. 2016,

³Supplementary

1. Scientific journals: Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, Journal of Oral and Maxillofacial Surgery, Journal of Oral Pathology & Medicine etc. 2. James L. Hiatt, Leslie P. Gartner: Textbook of Head and Neck Anatomy. Lippincott Williams & Wilkins 2009; 4th edition
⁴Obligatory “Periodontology.The essentials”. HP Mueller, Thieme Verlag 2005 “Oral and maxillofacial medicine”. C Scully. Wright 2004 Classification of Periodontal and Peri-Implant Diseases and Conditions. Available in open access at: Journal of Clinical Periodontology 2018;45 Suppl 20. EFP recommendations for treatment of stage III periodontitis. Available in open access at: Journal of Clinical Periodontology 2020;47 Suppl 22:4-60. doi: 10.1111/jcpe.13290.
⁴Supplementary Resources available at EFP website: www.efp.org

8. VERIFICATION OF LEARNING OUTCOMES

Course learning outcome code	Methods of verifying learning outcomes	Completion criterion
C.W30., C.W31., C.W32., F.W1., F.W2., F.W3., F.W4., F.W9., F.W10., F.W11., F.W12., F.W14., F.W15., F.W19., F.W20., F.W21., F.W23.	Assessment of active participation in seminars and preparation of seminar materials through observation of the student's engagement during classes.	Correct answers during oral tests demonstrating factual knowledge, understanding, and the ability to analyse, synthesise and solve problems; achievement of at least 60% of the expected learning outcomes.
C.U15., E.U16., E.U17., E.U18., F.U1., F.U2., F.U3., F.U4., F.U6., F.U7., F.U9., F.U10., F.U11., F.U15., F.U16., F.U17., F.U22.	Direct observation of the student; assessment of the ability to present the findings of the medical history and physical examination, plan treatment and the necessary consultations, and perform basic procedures leading to rehabilitation of the stomatognathic system. Performance of clinical procedures. Oral examination.	A correctly obtained medical history and properly performed physical examination of a geriatric patient; appropriate treatment planning and performance of the procedure, including provision of recommendations for the next visit.

9. ADDITIONAL INFORMATION

1Students scientific association , trustee Kamila Wróbel, DDS, PhD kwrobel@wum.edu.pl

2 Students scientific association , trustee Katarzyna Brus-Sawczuk DDS, PhD,
<https://www.facebook.com/zintegrowanawum/?ref=ts&fref=ts>

3Pearson responsible for didactics: Wojciech Popowski PhD, DDS, Marcin Adamiec, PhD, DDS

4Student tutor for 5th year is Monika Borakowska-Siennicka DDS, PhD, email: mborakowska@wum.edu.pl

The rules of making up for absence should be agreed with the assistant conducting the classes.

One absence per semester is allowed in case of serious medical reasons or for important random reasons. Being late more than 15 minutes is treated as absence.

Department's website: periodontologia.wum.edu.pl

Students come for practical classes wearing aprons and badges with following information: student, name and surname, year

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We ask students to check the information on the Department's website or on the notice board in the Department before starting classes.

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