



Gerodontology

IMPRINT	
Academic Year	2025/2026
Department	Faculty of Medicine and Dentistry
Field of study	English Dentistry Division
Main scientific discipline	Medical science
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
Educational Unit / Educational Units	¹ Department of Prosthetic Dentistry St. Binieckiego str. 6, 02-097 Warsaw Phone: 22 116 64 70 Mail: katedraprotetyki@wum.edu.pl ² Department of Comprehensive Dentistry St. Binieckiego str. 6, 02-097 Warsaw Phone: 22 116 64 19 Mail: stom.zintegrowana@wum.edu.pl ³ Department of Oral Surgery St. Binieckiego str. 6, 02-097 Warsaw Phone: 22 116 64 41 Mail: zcs@wum.edu.pl ⁴ Department of Periodontology and Oral Mucous Membrane Diseases, St. Binieckiego str. 6, 02-097 Warsaw Phone: 22 116 64 31 e-mail: sluzowki@wum.edu.pl
Head of Educational Unit / Heads of Educational Units	¹ Prof. Jolanta Kostrzewa - Janicka, DDS, PhD ² Assoc. Prof. Izabela Strużycka DMD, PhD ³ Prof. Andrzej Wojtowicz, DDS, PhD ⁴ Assoc. Prof Jan Kowalski, MD, PhD
Course coordinator	Krzysztof Majchrzak, DDS, PhD kmajchrzak@wum.edu.pl
Person responsible for syllabus	Department of Prosthetic dentistry (DPD) Krzysztof Majchrzak, DDS, PhD
Teachers	¹ Department of Prosthetic Dentistry teachers: Magdalena Rączkiewicz DDS mrackiewicz@wum.edu.pl Krzysztof Majchrzak, DDS, PhD, kmajchrzak@wum.edu.pl ² Department of Comprehensive Dentistry teachers:

	<p>Assoc Prof. med.Izabela Strużycka, izabela.struzyccka@wum.edu.pl Agnieszka Bogustawska –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 Wawrzeńczyk DDS, aleksandra.wawrzenczyk@wum.edu.pl</p> <p>³Department of Oral Surgery teachers: Prof. Andrzej Wojtowicz DDS, PhD; andrzej.wojtowicz@wum.edu.pl Assoc. Prof. 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</p> <p>⁴Department of Periodontology and Oral Mucous Membrane Diseases teachers: Assoc. Prof. Jan Kowalski DDS, PhD; jkowalski@wum.edu.pl Andrzej Miskiewicz DDS, PhD; andrzej.miskiewicz@wum.edu.pl</p>
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BASIC INFORMATION				
Year and semester of studies	5th year, 9th and 10th semester		Number of ECTS credits	3.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)				
Seminar (S)		2	0,08	
Classes (C)				
e-learning (e-L)				
Practical classes (PC)		43	1,7	
Work placement (WP)				
Unassisted student's work				
Preparation for classes and completions		30,5	1,22	

COURSE OBJECTIVES	
O1	Acquiring knowledge about planning and preparation for conservative, surgical and prosthetic treatment, taking into account changes in the stomatognathic system related to the patient's age. Mastering the knowledge of the physiological changes taking place with age in the periodontium and oral mucosa.

O2	Acquiring knowledge about the types of prosthetic restorations, indications and contraindications for their use as well as clinical and laboratory procedures in the implementation of these restorations. Mastering the ability to diagnose physiological changes occurring with age in the periodontium and oral mucosa as well as the ability to differentiate these changes with pathological processes requiring treatment
O3	Acquisition of clinical management skills in prosthetic rehabilitation of elderly patients, taking into account senile changes and systemic diseases characteristic for this age group. Mastering the skill of treating diseases of the mucosa and periodontium in elderly patients

STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING

Code and number of the effect of learning in accordance with standards of learning	Effects in the field of
Knowledge – Graduate* knows and understands:	
C.W30.	mechanisms leading to organ and body pathologies, including infectious, invasive, autoimmune, immunodeficient, metabolic and genetic diseases;
C.W31.	effects of physical, chemical and biological factors, as well as avitaminosis and stress on the patient's body;
C.W32.	basic clinical procedures for periodontal prophylaxis;
F.W1.	bite standards at different stages of individual development and deviations from standards;
F.W2.	principles of prophylactics and treatment of masticatory apparatus diseases at different stages of development;
F.W3.	viral, bacterial and fungal flora of the oral cavity and its importance;
F.W4.	symptoms, course and management of specific diseases of the oral cavity, head and neck in different age groups;
F.W9.	diagnosis and treatment of periodontium and oral mucosa diseases;
F.W10.	indications and contraindications for treatment with dental implants;
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.W14.	methods of masticatory apparatus rehabilitation;
F.W15.	therapeutic methods of pain reduction and relief and anxiety and stress reduction;
F.W19.	pathomechanism of oral disease impact on general health;
F.W20.	pathomechanism of general disease or applied therapies impact on the oral cavity;

F.W21.	prevention of oral disease;
F.W23.	characteristics of dental care for patients with a general illness and the principles of cooperation with a medical doctor treating the underlying disease.

Skills– Graduate* is able to:

C.U15.	plan basic stages of preventive care in patients with periodontal needs;
E.U16.	recognise dermatoses and collagenoses with symptoms within the oral cavity mucosa;
E.U17	recognise diseases related to smoking, alcoholism and other addictions;
E.U18.	diagnose diseases with neck and submandibular lymphadenopathy and infectious diseases, with particular emphasis on lesions in the oral cavity;
F.U1.	conduct a medical interview with the patient or their family;
F.U2.	conduct a dental physical examination of the patient;
F.U3.	explain the symptoms to the patient, determine the method of treatment confirmed by the patient's informed consent and prognosis;
F.U4.	provide the patient or their family with information about poor prognosis;
F.U6.	interpret results of additional tests and consultations
F.U7.	determine indications and contraindications for a specific dental procedure;
F.U9.	provide treatment in the event of general and local complications during and after dental procedures;
F.U10.	prescribe drugs taking into account their interactions and side effects;
F.U11.	keep current patient records, make referrals for dental and general medical examination or treatment;
F.U15.	advise treatment of diseases of stomatognathic system tissues;
F.U16.	use appropriate medications during and after the dental procedure to reduce pain and anxiety;
F.U17.	diagnose and provide basic treatment of periodontal diseases;
F.U22.	carry out prosthetic rehabilitation in simple clinical and laboratory cases;

* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

CLASSES		
Form of class	Class contents	Effects of Learning
Seminar S1	Gerostomatology in prosthetic rehabilitation. Age-related anatomical differences of the prosthetic foundation. Characteristics of prosthetic restorations recommended in the older age group.	C.W30., C.W31., F.W1., F.W2., F.W3., F.W4., F.W9., F.W10.

**Appendix No 4C for the procedure of development and periodical review of syllabuses.
(in accord with appendix to the Regulation of MUW's Rector dated 18.04.2024 r.)**

Seminar S2	The relations between prosthodontics and other fields of medicine. Learning to establish contact with the elderly.	F.W11., F.W12., F.W14., F.W15., F.W19., F.W20., F.W23.
¹ Exercise E1-E15	Prosthetic Rehabilitation of the Stomatognathic System Through Optimal Selection of Prosthetic Restorations in Specific Conditions of the Prosthetic Foundation, with Special Emphasis on Elderly Patients. The Topics of Subsequent Exercises Depend on the Availability of Patients. C1-C5 Planning prosthetic rehabilitation for elderly patients. C6-C10 Fabrication of removable and fixed restorations for elderly patients. C11-C15 Follow-up care and prevention of bone loss.	F.U1., F.U2., F.U3., F.U6., F.U7., F.U10., F.U11., F.U15., F.U16., F.U22.
² Exercise E1-E8	Comprehensive Dentistry Exercise 1, 2, 3: Diagnosing risk factors for oral diseases in elderly patients. Treatment planning for older adults. Exercise 4, 5, 6: Dental care for the oral health of elderly patients with general medical conditions. Exercise 7, 8: Dental prophylaxis for oral diseases in elderly individuals.	F.U1., F.U2., F.U3., F.U6., F.U7., F.U9., F.U11., F.U15., F.U16.
³ Exercise E1-E10	Oral Surgery Exercise 1, 2, 3: Treatment planning and preparation of elderly patients for oral surgery procedures. Exercise 4, 5, 6: Selecting optimal treatment methods based on the patient's overall health conditions. Exercise 7, 8, 9, 10: Understanding indications and contraindications for performing oral surgery procedures in elderly patients.	F.U1., F.U2., F.U3., F.U6., F.U7., F.U9., F.U11., F.U15., F.U16., F.U22.
⁴ Exercise E1-E10	Periodontology and Oral Mucosa Diseases Exercise 1, 2, 3: Physiological changes in the periodontium associated with aging. Exercise 4, 5: The most common periodontal diseases in geriatric patients. Exercise 6, 7: The most common oral mucosa diseases in geriatric patients. Exercise 8, 9, 10: Changes in the oral mucosa and periodontium in geriatric patients related to chronic systemic diseases and medications.	C.W32., F.W21., 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.

LITERATURE

¹Obligatory

1. I. Hayakawa: Principles and Practices of Complete Dentures. Quintessence Publ. Co Ltd 2001.

2. H.T. Shillingburg: Fundamentals of Fixed Prosthodontics. 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. Churchill 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. Piątkowska, Med. Tour Press Int. Med., Warsaw 2009

²Supplementary

1. Endodontics. Ed. A. Arabska-Przedpeńska, 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

VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	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 material for seminars, by observing the student's involvement during the classes	Correct answers during oral tests in terms of knowledge of facts, level of understanding, analysis, synthesis, problem solving skills; 60% of the expected results
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 report the conducted subjective and physical examination, planning prosthetic treatment and necessary consultations, performing basic procedures leading to the rehabilitation of the stomatognathic system. Performing the procedures. Oral test.	Correctly conducted subjective and physical examination of a geriatric patient, treatment planning and execution of treatment along with recommendations for the next visit.

ADDITIONAL INFORMATION

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

²Students 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

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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ATTENTION

The final 10 minutes of the last class of the block/semester/year should be allotted for students to fill out the Survey of Evaluation of Classes and Academic Teachers