



Prosthetic Dentistry

1. IMPRINT

Academic Year	2025/2026
Department	Faculty of Medicine and Stomatology
Field of study	Medicine and Dentistry
Main scientific discipline	Medical science
Study Profile	General academic
Level of studies	Uniform MSc
Form of studies	Extramural study (paid)
Type of module / course	Obligatory
Form of verification of learning outcomes)	Completion
Educational Unit / Educational Units	Department of Dental Propaedeutics and Prophylaxis 59 Nowogrodzka Str., 02-006 Warsaw, phone: 22 625 66 02 e-mail: zpips@wum.edu.pl
Head of Educational Unit / Heads of Educational Units	Leopold Wagner DDS, PhD
Course coordinator	Leopold Wagner DDS, PhD, leopold.wagner@wum.edu.pl
Person responsible for syllabus	Renata Lenkiewicz DDS, rlenkiewicz@wum.edu.pl
Teachers	Renata Lenkiewicz DDS, rlenkiewicz@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	II year, III semester	Number of ECTS credits	1,5
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		-	-
Seminar (S)		20	0,8
e-learning (e-L)		-	-

Practical classes (PC)	-	-
Work placement (WP)	-	-
Unassisted student's work		
Preparation for classes and completions	18	0,7

3. COURSE OBJECTIVES

O1	Acquiring knowledge in the field of functional anatomy and biomechanics of the stomatognathic system; anatomical details of teeth regarding their function and alignment; criteria of optimal functional occlusion; mechanisms of compensation, adaptation and feedback control within the system.
O2	Acquiring knowledge in the field of etiology and mechanisms of selected temporomandibular disorders and their impact on general health; general considerations of occlusal therapy and principles of masticatory system rehabilitation; occlusal disorders in malocclusions and general principles of malocclusions' prophylaxis and rehabilitation.
O3	Acquiring ability to define and explain complex mechanisms leading to occlusal disturbances, general symptoms, and consequences of these disorders.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING

Code and number of effect of learning in accordance with standards of learning	Effects in the field of morphological, preclinical and clinical science as well as the scientific foundations of medicine.
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Knowledge – Graduate* knows and understands:

A.W1	human body structures: cells, tissues, organs and systems with particular emphasis on the stomatognathic system
C.W13.	concepts of homeostasis, adaptation, resistance, immunity, susceptibility, compensatory mechanisms, feedback control and "vicious circle" mechanism
C.W14.	concepts of health and disease, the mechanisms of development and formation of disease process at the molecular, cellular, tissue and systemic levels, and the influence of these mechanisms on the clinical symptoms, complications and prognosis
C.W30.	biomechanics of masticatory organ
E.W4	the relationship between morphological abnormalities and the function of the affected organs and systems, as well as clinical symptoms, diagnostic and treatment possibilities
F.W1.	phases of dental development, occlusal norm, deviations from norms and anatomical and functional variability at different stages of individual life
F.W21.	methods of rehabilitation of the masticatory organ
F.W23.	principles of recognition, initial treatment and prevention of functional disorders of the masticatory organ

Skills– Graduate* is able to:

5. ADDITIONAL EFFECTS OF LEARNING (non-compulsory)

Number of effect of learning	Effects of learning in time
Knowledge – Graduate knows and understands:	
W1	-
Skills– Graduate is able to:	
U1	-
Social Competencies – Graduate is ready for:	
K1	-

6. CLASSES

Form of class	Class contents	Effects of Learning
S1- seminar 1-3	Components and functions of the stomatognathic system; anatomical and functional relationships within the system; functional circle of stomatognathic system	A.W1.
S2 - seminar 4-6	The concept of neutral space; axial and non-axial tooth loads and their consequences; norms of occlusion; relations between occlusion and TMJ intra-articular space – centric relation; concepts of ideal, optimal and habitual occlusion	C.W30., F.W1.
S3 - seminar 7-9	Reflex and adaptive mechanisms in the stomatognathic system, compensation and adaptation, the articulatory balance state and consequences of losing it, compensating the progressive loose of teeth, modes of adaptations to occlusal disorders	C.W13, F.W1
S4 - seminar 10-12	Prophylaxis of functional disorders of the masticatory organ, parafunctional activities, etiology and symptoms of masticatory organ dysfunctions, compensated and non-compensated occlusal disorders	C.W14., E.W4.
S5 - seminar 13-15	Prophylaxis of functional disorders: functional analysis of the masticatory system, principles and methods of occlusal rehabilitation, local factors of masticatory dysfunctions and local prevention	E.W4., F.W21., F.W23.
S6 - seminar 16-18	Occlusion in malocclusions: general mechanisms of development of occlusion during developmental period, etiology of malocclusions, simplified classification of malocclusions taking into account occlusal contacts and functional disorders, general principles of malocclusions' rehabilitation	C.W14., E.W4.
S7 - seminar 19-20	Instrumental articulation systems: : types of face-bows and articulators, programming of semi-adjustable articulator	C.W30.

7. LITERATURE

Obligatory

1. Wheeler's Dental Anatomy, Physiology and Occlusion. Nelson S.J., Ash M.M. Saunders/Elsevier 2020
2. Management of Temporomandibular Disorders and Occlusion. Okeson J.P. Mosby/Elsevier 2019

Supplementary

1. Sturdevant's Art and science of operative dentistry. Ritter A.V., Boushell L.W., Walter R. Elsevier Books 2018

2. Applied occlusion. Wassel R., Naru A., Steele J., Nohl F. 2015 Quintessence Publishing

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
A.W1., C.W13., C.W14., C.W30., E.W4., F.W1, F.W21., F.W23.	MCQ test – 50 questions	Obtaining at least 55% of test points

9. ADDITIONAL INFORMATION

Completion of the course: no grade. Completion form: MCQ test, one retake - written test, open questions.
The teaching supervisor of the subject: Renata Lenkiewicz DDS, rlenkiewicz@wum.edu.pl
Presence on all seminars is obligatory to be admitted to the final test. The absence is excused providing medical certificate in 7 days – a form of completing the class is determined by the teacher. Being late more than 15 min. is treated as an absence.
Seminars are stationary classes with sanitary regime.
Students are required to change their shoes and leave the outer garments in the cloakroom.
It's forbidden to use cell phones and other electronic devices during classes.
Student Scientific Club at the Department of Propaedeutics and Dental Prophylaxis, supervisor: Łukasz Zadrożny, DDS, PhD, e-mail: lukasz.zadrozny@wum.edu.pl
Department website: <https://propedeutyka-stomatologiczna.wum.edu.pl>

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ATTENTION

The final 10 minutes of the last class in the block/semester/year should be allocated to students'
Survey of Evaluation of Classes and Academic Teachers