



## Prophylaxis in dentistry

<b>1. IMPRINT</b>	
<b>Academic Year</b>	2023/2024
<b>Department</b>	Faculty of Medicine and Stomatology
<b>Field of study</b>	Medicine and Dentistry
<b>Main scientific discipline</b>	Medical science
<b>Study Profile</b>	General academic
<b>Level of studies</b>	Uniform MSc
<b>Form of studies</b>	Extramural study (paid)
<b>Type of module / course</b>	Obligatory
<b>Form of verification of learning outcomes</b>	Completion
<b>Educational Unit / Educational Units</b>	Department of Dental Propaedeutics and Prophylaxis, 59 Nowogrodzka str., 02-006, Warsaw, phone: 22 625 66 02, e-mail: zpips@wum.edu.pl

<b>Head of Educational Unit / Heads of Educational Units</b>	Leopold Wagner DDS, PhD
<b>Course coordinator</b>	Leopold Wagner DDS, PhD, leopold.wagner@wum.edu.pl
<b>Person responsible for syllabus</b>	Małgorzata Ponto-Wolska Phd, DDS, malgorzata.ponto-wolska@wum.edu.pl
<b>Teachers</b>	Małgorzata Ponto-Wolska Phd, DDS, malgorzata.ponto-wolska@wum.edu.pl

## 2. BASIC INFORMATION

<b>Year and semester of studies</b>	I year, I semester	<b>Number of ECTS credits</b>	3.00
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)		10	0,33
Seminar (S)		20	0,66
Discussions (D)		-	-
e-learning (e-L)		-	-
Practical classes (PC)		20	0,66
Work placement (WP)		-	-
<b>Unassisted student's work</b>			
Preparation for classes and completions		40	1,35

## 3. COURSE OBJECTIVES

C1	Gaining knowledge regarding the influence of physical, chemical, biological, nutritional and stress factors on the masticatory system.
C2	Gaining knowledge regarding oral cavity hygiene, prophylaxis, health promotion and rules of preventive procedure planning in dentistry.
C3	Gaining knowledge regarding general principles of patient examination, conducting interview and physical examination.

C4	Gaining the ability to conduct a medical interview.
C5	Gaining the ability to perform physical examination.
C6	Gaining the ability to perform basic prophylaxis procedures.

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

<b>Code and number of effect of learning in accordance with standards of learning</b>	Effects in the field of morphological, preclinical, and clinical science, legal and organizational 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 dental system
C.W25.	composition, structure, bonding, properties, application, and use of dental materials
C.W31.	effects of physical, chemical, and biological factors, as well as avitaminosis and stress on the patient's body
F.W21.	prevention of oral disease
G.W3.	basic concepts of prevention, health awareness and environmental hygiene
G.W17.	principles of planning and evaluation of preventive actions

**Skills– Graduate\* is able to:**

F.U1.	conduct a medical interview with the patient or their family
F.U2.	conduct a dental physical examination of the patient
G.U7.	plan prevention and health awareness activities and implement activities promoting population health
G.U15.	provide the patient with the necessary information on oral health awareness

#### 5. ADDITIONAL EFFECTS OF LEARNING

<b>Number of effect of learning</b>	<b>Effects of learning in time</b>
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**Knowledge – Graduate knows and understands:**

W1	-
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**Skills– Graduate is able to:**

U1	-
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**Social Competencies – Graduate is ready for:**

K1	-
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**6. CLASSES**

Form of class	Class contents	Effects of Learning
L1-Lecture 1-2	Topic: Introduction to dental examination. General principles of a dental examination, medical interview, basics of masticatory system anatomy, filling out the examination chart	A.W1., F.U1., F.U2.
L2-Lecture 3-4	Topic: Selected materials used in oral hygiene and dental prophylaxis. Mechanical oral hygiene products, the composition of toothpaste, methods of brushing teeth and cleaning interdental spaces, antibacterial rinses - division, composition, requirements, mechanism of action, side effects, fluorine compounds found in dental materials, dental sealants - materials and procedure	C.W25.
L3-Lecture 5-8	Topic: Principles of prophylaxis procedures in various fields of dentistry. Dentistry departments and their basic tasks, goals, and tasks of dental prophylaxis, forms and didactic used in health education, promotion of oral health, planning of preventive programs, prosthetic dentopathies, introduction to orthodontic prophylaxis.	F.W21., G.W2., G.W17.
L4-Lecture 9	Topic: Introduction to oncological prophylaxis. Lesions in the oral cavity of local and systemic origin, symptoms, prevention.	F.W21.
L5-Lecture 10	Topic: Nutrition and oral health. The effect of carbohydrates, proteins and fats for oral health, nutritional deficiencies, stimulants, dietary recommendations.	C.W31.
S1-Seminar 1-3	Topic: Teeth morphology. Groups of teeth and their basic features, differences between permanent and primary dentition, basic features of dental arches.	A.W1.
S2-Seminar 4-6	Topic: Physical examination of the patient. Extraoral examination - assessment of symmetry of the face, skin, lips, eyeballs, nasal patency, submandibular, chin, and cervical lymph nodes, temporomandibular joint function, the functioning of the facial nerve branch and trigeminal nerve end reaction, intraoral examination - oral - assessment: atrium of the mouth, palate, throat, tongue, the bottom of the mouth and dental arches, methods used for physical examination - visual (viewing, mirror, intraoral camera), touching, auscultation, tapping and receiving olfactory sensations.	A.W1., F.U2.
S3-Seminar 7-9	Topic: Oral hygiene. Methods of brushing teeth, cleaning interdental spaces, staining of plaque and dental deposits, antibacterial rinse. Written test.	C.W25., F.W21.
S4-Seminar 10-12	Topic: Health education, prophylaxis, and health promotion. Basic concepts in the field of education and health promotion, planning preventive activities in various fields of dentistry, principles of prophylaxis procedures.	F.W21., G.W2., G.W17.
S5-Seminar 13-15	Topic: The impact of internal and external factors on oral health. Mechanical and physical factors: temperature, pH, humidity, optical	C.W31.

	and ionizing radiation, overloads, injuries, general properties of consumed food and dental materials, beneficial and adverse of chemical substances, biological factors, the cellular response of the human body, the function of vitamins and antioxidants - excessive supply and deficiencies, positive and negative stress, oral problems resulting from the negative impact of stress - changes in the temporomandibular joints, bruxism, obstructive sleep apnea. Written test.	
S6-Seminar 16-20	Topic: Realization and presentation of own programs in the field of health education, prophylaxis, and health promotion. Work in groups of two students.	C.W25., F.W21., G.W2., G.W17., G.U7., G.U15.
PC1-Practical Class 1-9	Topic: Patient examination. Perform the interview and extraoral examination, filling out the examination chart.	F.U1., F.U2.
PC2-Practical Class 10-14	Topic: Oral hygiene. Promotion of oral health, methods of teeth brushing, cleaning interdental spaces, staining of dental plaque, antibacterial rinses.	G.U7., G.W3.
PC3-Practical Class 15-16	Topic: Oral hygiene. Training of oral hygiene ITOP –Curaprox.	G.U7., G.W.3
PC4-Practical Class 17-18	Topic: Oral hygiene. Guided Biofilm Therapy (GBT)-the newest protocol of oral hygiene.	G.U7., G.W.3
PC5-Practical Class 19-20	Topic: Dental sealants and fluoride. The use of fluoride varnishes and sealing materials - treatments performed on phantoms.	G.U7.

## 7. LITERATURE

### Obligatory

1. Textbook of preventive and community dentistry. Hiremath SS. Elsevier. India. 2007

### Supplementary

## 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.W25., C.W31., F.W21., G.W3., G.W17.	Written test	Achieving the expected learning outcomes of at least 55%
C.W25., C.W31., F.W21., G.W3., G.W17., G.U7., G.U15.	Multimedia presentations - work in groups	Compliance of the presentation with the given topic, substantive content, manner of delivering and the ability to discuss. Each of the above criteria is assessed on a scale of 1 to 3 points. To pass, student must achieve at least 7 points.
F.U1., F.U2.	Observation and assessment of practical skills	Completing each completed task.

## 9. ADDITIONAL INFORMATION

The person responsible for teaching: Małgorzata Ponto-Wolska, M.D. PhD, malgorzata.ponto-wolska@wum.edu.pl.

Passing the course: pass without grade.

The condition for passing the course is participation in all lectures, seminars and exercises. Absence from 1 lecture, seminar and exercise is allowed. In case of absence due to health reasons, the student is obliged to provide a medical certificate within three business days. A student who receives a negative grade for a partial pass is entitled to 2 resit dates.

Passing the exercises requires obtaining a positive assessment of each completed task. In case of absence, you must complete the planned tasks in the next week of classes. The student may also report to the academic teacher in charge during his/her duty hours.

Absence or failure to complete the S6 seminar results in failure to complete the course.

In a justified situation, a student may be late for classes up to 15 minutes.

You are not allowed to use mobile phones or other electronic devices during classes, and students may only bring items into the training room that have been approved by the instructor. Students in the classroom must wear a medical (surgical) apron with a stand-up collar, knee-length 100 cm, tied at the back with strings, disposable gloves, tied-up hair or a cap and changed shoes.

Student Scientific Club at the Department of Propaedeutics and Dental Prophylaxis, supervisor: Łukasz Zadrożny, MD, PhD, e-mail: lukasz.zadrozny@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