Prophylaxis in dentistry

1. IMPRINT	
Academic Year	2021/2022
Department	Faculty of Dental Medicine
Field of study	English Dentistry Division
Main scientific discipline *(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)*	Medical sciences
Study Profile *(general academic/ practical)*	General academic
Level of studies *(1st level /2nd level/ uniform MSc)*	Uniform MSc
Form of studies	Full-time program
Type of module / course *(obligatory / non-compulsory)*	Obligatory
Form of verification of learning outcomes *(exam/completion)*	Completion
Educational Unit / Educational Units *(and address / addresses of unit / 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 *(title, First Name, Last Name, contact)*	Leopold Wagner DDS, PhD, lwagner@wum.edu.pl
Person responsible for syllabus *(First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)*	Małgorzata Ponto-Wolska Phd, DDS, malgorzata.ponto-wolska@wum.edu.pl
Teachers	Małgorzata Ponto-Wolska Phd, DDS, malgorzata.ponto-wolska@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	I year, I semester	**Number of ECTS credits**	3.00

FORMS OF CLASSES	**Number of hours**	**ECTS credits calculation**
Contacting hours with academic teacher		
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)	-	-
Unassisted student's work		
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 *(concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)*

Code and number of effect of learning in accordance with standards of learning *(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)*	Effects in the field of morphological, preclinical, and clinical science, legal and organizational foundations of medicine.

Knowledge – Graduate* knows and understands:

A.K1.	human body structures: cells, tissues, organs, and systems with particular emphasis on the dental system
C.K25.	composition, structure, bonding, properties, application and use of dental materials
C.K31.	effects of physical, chemical, and biological factors, as well as avitaminosis and stress on the patient's body
F.K21.	prevention of oral disease
G.K3.	basic concepts of prevention, health awareness and environmental hygiene
G.K17.	principles of planning and evaluation of preventive actions

Skills– Graduate* is able to:

F.S1.	conduct a medical interview with the patient or their family
F.S2.	conduct a dental physical examination of the patient
G.S7.	plan prevention and health awareness activities and implement activities promoting population health
G.S15.	provide the patient with the necessary information on oral health awareness

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

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
L1-Lecture 1-2	Introduction to dental examination - general principles of a dental examination, medical interview, basics of masticatory system anatomy, filling out the examination chart	A.K1., F.S1., F.S2.
L2-Lecture 3-4	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.K25.
L3-Lecture 5-8	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.K21., G.K2., G.K17.
L4-Lecture 9	Introduction to oncological prophylaxis. Lesions in the oral cavity of local and systemic origin, symptoms, prevention.	F.K21.
L5-Lecture 10	Nutrition and oral health - the effect of carbohydrates, proteins and fats for oral health, nutritional deficiencies, stimulants, dietary recommendations.	C.K31.
S1-Seminar 1-3	Teeth morphology - groups of teeth and their basic features, differences between permanent and primary dentition, basic features of dental arches.	A.K1.
S2-Seminar 4-6	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.K1., F.S2.
S3-Seminar 7-9	Oral hygiene - methods of brushing teeth, cleaning interdental spaces, staining of plaque and dental deposits, antibacterial rinse. Written test.	C.K25., F.K21.
S4-Seminar 10-12	Health education, prophylaxis, and health promotion - basic concepts in the field of education and health promotion, planning preventive	F.K21., G.K2., G.K17.

	activities in various fields of dentistry, principles of prophylaxis procedures.	
S5-Seminar 13-15	The impact of internal and external factors on oral health - mechanical and physical factors: temperature, pH, humidity, optical 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.	C.K31.
S6-Seminar 16-20	Realization and presentation of own programs in the field of health education, prophylaxis and health promotion, work in groups of two students.	C.K25., F.K21., G.K2., G.K17., G.S7., G.S15.
PC1-Practical Class 1-10	Patient examination - perform the interview and extraoral examination, filling out the examination chart.	F.S1., F.S2.
PC2-Practical Class 11-16	Oral hygiene - promotion of oral health, methods of teeth brushing, cleaning interdental spaces, staining of dental plaque, antibacterial rinses.	G.S7., G.K3.
PC3-Practical Class 17-20	Dental sealants and fluoride - the use of fluoride varnishes and sealing materials - treatments performed on phantoms.	G.S7.

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.K1., C.K25., C.K31., F.K21., G.K3., G.K17.	Written test	Each question is assessed on a scale of 1 to 3 points. To pass, student must achieve at least 10 points
C.K25., C.K31., F.K21., G.K3., G.K17., G.S7., G.S15.	Multimedia presentations - work in groups of 2 students	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.S1., F.S2.	Observation and assessment of practical skills	Completing each completed task.

9. ADDITIONAL INFORMATION *(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)*

Completion of the course: no grade
The teaching supervisor of the subject is: Małgorzata Ponto-Wolska Phd, DDS, malgorzata.ponto-wolska@wum.edu.pl
A student may be absent once during the classes if he/she completes all the planned tasks in the next week or may also take it on the teacher's duty.
Absence or failure to pass 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.
It is forbidden to use cell phones or other electronic devices during the classes, the student may bring to the classroom only things permitted by the teacher. A student in the training room must wear an apron, disposable gloves, a surgical mask, pinned hair or a cap, and changed footwear.
Department's website: https://propedeutyka-stomatologiczna.wum.edu.pl