



Integrated Pre-clinical Education

1. IMPRINT	
Academic Year	2023/2024
Department	Faculty of Medicine and Dentistry
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 PhD DDS, lwagner@wum.edu.pl

Course coordinator	Leopold Wagner PhD DDS, lwagner@wum.edu.pl
Person responsible for syllabus	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, II semester	Number of ECTS credits	2,00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		8	0,26
Seminar (S)		4	0,14
Discussions (D)		18	0,6
e-learning (e-L)		-	-
Practical classes (PC)		-	-
Work placement (WP)		-	-
Unassisted student's work			
Preparation for classes and completions		30	1

3. COURSE OBJECTIVES

C1	Obtaining knowledge about the equipment of dental offices and instruments used in dental procedures
C2	Obtaining knowledge concerning etiology, ergonomics, and OSH (occupational health and safety).
C3	Obtaining knowledge on ergonomic principles of treatments and dental work in a team.
C4	Obtaining abilities in work in a dental team according to ergonomic standards and OSH rules.
C5	Obtaining abilities in recognizing harmful and burdensome factors in dental surgery.

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 preclinical science and legal and organizational foundations of medicine
---	--

Knowledge – Graduate* knows and understands:

C.W23.	dental office equipment and instruments used in dental procedures
G.W13.	aetiology of occupational diseases as defined by law, including those related to the practice of the profession of a dentist
G.W18.	principles of ergonomic organisation of work in a dental office and conducting dental procedures
G.W19.	principles of occupational health and safety in dentistry

Skills– Graduate* is able to:

G.U12.	identify harmful and disruptive factors in the place of work, residence, or study
G.U20.	work in accordance with the principles of ergonomic work organisation
G.U21.	apply sanitary and epidemiological and occupational health and safety regulations

5. ADDITIONAL EFFECTS OF LEARNING

Number of effect of learning	Effects of learning in time
-------------------------------------	------------------------------------

Knowledge – Graduate knows and understands:

K1	-
----	---

Skills– Graduate is able to:

S1	-
----	---

Social Competencies – Graduate is ready for:

SC1	-
-----	---

6. CLASSES		
Form of class	Class contents	Effects of Learning
L1 - Lecture 1-3	Topic: Ergonomic work in dental office basics. Basic concepts and requirements for ergonomics, adaptation of the room for dental office, requirements for the staff and patient expectations and responsibilities of the members of the dental team, working rules at two, four and six hands while lying patient, using rubber dam, types of clasps, and methods of use in different clinical situations.	C.W23., G.W18., G.U20.
L2 - Lecture 4	Topic: Transfer of dental instruments, work with saliva evacuator. Keeping the instruments and their transfer, one-handed and two-handed, methods of holding the saliva ejector.	G.W18., G.U20.
L3 – Lecture 5-6	Topic: The rules of aseptic and antiseptic in the dental office. Disinfection and sterilization, keeping sterile tools and materials, segregating waste, hand hygiene, using protective clothing and personal protective equipment, proceeding in the case of exposure to blood and other contaminated materials in the dental office.	G.W19., G.U21.
L4 – Lecture 7-8	Topic: OSH (occupational health and safety) in the dental office. Concepts in the field of occupational health and safety, principles of individual protection, dependence on human health and life. Occupational diseases of the dentist. Cross infections.	G.W13., G.U12., G.U21.
S1 – Seminar 1-2	Topic: The rules of cooperation of the dental team in different departments of dentistry. Work zones, class of movements, working with the patient in sitting and lying position, zones of support, work rules at two, four and six hands while lying patient, the role of assistant, dental hygienist, different fields of dentistry, treatment.	G.W18., G.U20.
S2 – Seminar 3-4	Topic: The risk for human health and life-related to dental work, work-related illnesses, and condition for cross-infection. Concepts in the field of occupational health and safety, principles of individual protection, dependence on human health and life. Occupational diseases of the dentist.	G.W13., G.W19., G.U12., G.U21.
PC1 – Practical Class 1-6	Topic: Equipment in the dental office. Ergonomics in the dental office. Requirements of technical and building for a dental office. Basic and additional equipment in dental practice. Written test.	C.W23., G.W18.
PC2 – Practical Class 7-8	The rules of cooperation of the dental team in different departments of dentistry. Work zones, class of movements, working with the patient in sitting and lying position, zones of support, work rules at two, four and six hands while lying patient.	G.U20.
PC3 – Practical Class 9-10	Topic: Aseptic and antiseptic in the dental office. Disinfection and sterilization, keeping sterile tools and materials, segregating waste, hand hygiene, using protective clothing and personal protective equipment, proceeding in the case of exposure to blood and other contaminated materials in the dental office.	G.W13., G.U12., G.U21.
PC4 – Practical Class 11-18	Topic: Techniques to keep dry area during treatment. Wearing rubber dam in case of conservative treatment (front teeth, premolars, and molars), professional teeth whitening treatments and endodontics. Practical test.	G.W18., G.U20.

7. LITERATURE
Obligatory
1. Ergonomics and the dental care worker. Murphy DC. Washington. American Public Health Association. cop. 1998

Supplementary

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
C.W23., G.W13., G.W18., G.W19., G.U12., G.U21.	Written test	Achieving the expected learning outcomes of at least 55%
G.W18., G.U20.	Observation and assessment of practical skills	Completing each completed task.

9. ADDITIONAL INFORMATION

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

Completion of the course: weighted average of grades with equal importance (50%) of knowledge and skills, provided that a positive grade is obtained for all partial passes and practical tasks.

Lectures include the latest information in work ergonomics and occupational health and safety.

The condition for passing the course is participation in all lectures, seminars and exercises. Absence from 1 lecture, seminar or 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.

The practical examination (OSCE) will be held in the winter and summer sessions of the 2nd year of studies and the theoretical examination (test) in the summer sessions of the 2nd year.

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 the instructor has approved. 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 Zadrozny, MD, PhD, e-mail: lukasz.zadrozny@wum.edu.pl

Department's website: <https://propedeutyka-stomatologiczna.wum.edu.pl>

The property rights, including copyrights, to the syllabus are vested in the Medical University of Warsaw. The syllabus can be used for purposes related to education during studies at the Medical University of Warsaw. The use of the syllabus for other purposes requires the consent of the Medical University of Warsaw.

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