Integrated Pre-clinical Education

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 PhD DDS

Course coordinator *(title, First Name, Last Name, contact)*	Leopold Wagner PhD DDS, 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, II semester	**Number of ECTS credits**	2,00

FORMS OF CLASSES	**Number of hours**	**ECTS credits calculation**
Contacting hours with academic teacher		
Lecture (L)	-	-
Seminar (S)	4	0,14
Discussions (D)	18	0,6
e-learning (e-L)	8	0,26
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 *(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 preclinical science and legal and organizational foundations of medicine
Knowledge – Graduate* knows and understands:	
C.K23.	dental office equipment and instruments used in dental procedures
G.K13.	aetiology of occupational diseases as defined by law, including those related to the practice of the profession of a dentist
G.K18.	principles of ergonomic organisation of work in a dental office and conducting dental procedures
G.K19.	principles of occupational health and safety in dentistry
Skills– Graduate* is able to:	
G.S12.	identify harmful and disruptive factors in the place of work, residence, or study
G.S20.	work in accordance with the principles of ergonomic work organisation
G.S21.	apply sanitary and epidemiological and occupational health and safety regulations

** 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:	
K1	-
Skills– Graduate is able to:	
S1	-
Social Competencies – Graduate is ready for:	
SC1	-

6. CLASSES

Form of class	Class contents	Effects of Learning
L 1 - Lecture 1-3	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.K23., G.K18., G.S20.
L2 - Lecture 4	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.K18., G.S20.
L3 – Lecture 5-6	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.K19., G.S21.
L4 – Lecture 7-8	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.K13., G.S12., G.S21.
S1 – Seminar 1-2	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.K18., G.S20.
S2 – Seminar 3-4	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.K13., G.K19., G.S12., G.S21.
PC1 – Practical Class 1-9	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.K23., G.K18.
PC2 – Practical Class 10-12	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.S20.
PC3 – Practical Class 13-15	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.K13., G.S12., G.S21.
PC4 – Practical Class 16-18	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.K18., G.S20.

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.K23., G.K13., G.K18., G.K19., G.S12., G.S21.	Written test	Achieving the expected learning outcomes of at least 55%
G.K18., G.S20.	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: credit with a grade, in case of failing the test, the student is entitled to one resit date.
The didactic tutor is Małgorzata Ponto-Wolska PhD DDS, malgorzata.ponto-wolska@wum.edu.pl
A student may be absent once if he/she completes all the planned tasks in the following week of classes. He may also report to the teacher during his duty hours.
The student must wear an apron, disposable gloves, and a surgical mask, must pin his/her hair or wear a cap and must change his/her shoes.
Department website: https://propedeutyka-stomatologiczna.wum.edu.pl