



SYLLABUS of the MODULE (SUBJECT)
General Information

Module title: Preclinical Periodontology I	
Module type	Obligatory
Faculty PMU	Faculty of Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	year 2, semester 4
ECTS credits (incl. semester breakdown)	2
Type/s of training	lectures (3h) seminars (5h) practical (10h)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	dr hab. n. med. Agnieszka Drożdżik, prof. PUM
Tutor responsible for the module	dr hab. n. med. Agnieszka Drożdżik, prof. PUM agnieszka.drozdzik@pum.edu.pl Laboratory of Preclinical Periodontology periopkl@pum.edu.pl
Department's/ Clinic's/ Unit's website: https://www.pum.edu.pl/studia_iii_stopnia/informacje_z_jednostek/wmis/samodzilena_pracownia_periodontologii_przedklinicznej/	
Language	English

* replace into where applicable

Detailed information

Module objectives		<p>General Objective: To prepare the student for working with patients in the field of periodontal disease prevention.</p> <p>Specific Objectives (Cognitive): To familiarize the student with:</p> <ul style="list-style-type: none"> • dental deposits (types, etiology, clinical significance), • methods of plaque control – both professional and at-home, • instruments used for professional supragingival cleaning. <p>Specific Objectives (Practical): To develop the student's ability to:</p> <ul style="list-style-type: none"> • assess oral hygiene and gingival condition, • perform preventive and hygiene procedures, • collect and secure samples for diagnostic testing.
Prerequisite /essential requirements	Knowledge	<p>The student should demonstrate:</p> <ul style="list-style-type: none"> • knowledge of the anatomy and physiology of the oral cavity, with particular emphasis on the structure and function of the periodontium, • knowledge of the principles of asepsis and antisepsis
	Skills	<ul style="list-style-type: none"> • the ability to work in accordance with ergonomic principles, • the ability to assist during dental procedures
	Competences	<ul style="list-style-type: none"> • the ability to work as part of a team, • a commitment to self-education and the ability to use various sources of knowledge and critically evaluate them.

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	knows and understands human body structures: cells, tissues and systems with particular regard to stomatognathic system	A.W1	FCT
W02	knows and understands the species of bacteria, fungi and parasites which are the most frequent etiological factors in infections and infestations	C.W4	W, FCT
W03	knows and understands bases for disinfection, sterilization and aseptic	C.W5	O, FCT
W04	knows and understands the equipment in a dentist office and dentist technique laboratory and the instruments applied during dentistry procedures and in the laboratory conduct of prosthetic supplementations and dental braces	C.W29	W, O, S, FCT

W05	knows and understands the basic clinical procedures in treatment and prevention in periodontology	C.W39	W, O, S, FCT
W06	knows and understands the principles of prevention applied in the masticatory organ diseases, including oncological ones	F.W2	W, O, S, FCT
U01	is able to conduct the basic periodontal procedures in dental simulation conditions	C.U17	W, O, S, FCT
U02	is able to plan and conduct periodontal prevention actions	C.U20	W, O, S, FCT
U03	is able to collect and secure the material for diagnostic tests, including cytological, histopathological and microbiological material based on dental indications	F.U7	W, O, S, FCT
K01	is ready to propagate health-promoting behavior	K.6	O

Table presenting LEARNING OUTCOMES in relation to the form of classes								
No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other...
W01	A.W1	X					X	
W02	C.W4	X	X				X	
W03	C.W5		X	X				
W04	C.W29		X	X				
W05	C.W39		X	X				
W06	F.W2		X	X				
U01	C.U17			X				
U02	C.U20			X				
U03	F.U7			X			X	
K01	K.6			X				

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Summer semester			
Lecture e-learning			
TK01	Anatomy and physiology of the periodontium. Basic features differentiating healthy periodontium, gingivitis and periodontitis.	1	W01
TK02	Prevention of periodontal diseases – principles, methods, clinical significance	1	W05
TK03	Biological materials in dental diagnostics: collection and preservation techniques	1	W06
Seminars			
TK01	Soft and mineralized dental deposits. Home hygiene procedures: toothbrushes (manual, machine), methods of toothbrushing (roll, Fones, Stillman, Bass,	1	W05, U01, K01

	Charters), interdental cleaning systems, oral hygiene products (compound groups, composition, mechanism of action). Aproximal Plaque Index API		
TK02	Periodontal prevention in daily practice – strategies and techniques. Characteristics of hand instruments for professional cleaning. Ergonomic principles of working with scalers, instrument grasp and finger rests during manual instrumentation in the anterior region.	1	W02, W03, W04, W05, U01, U02, K01
TK03	Manual instruments for supragingival scaling in the posterior region: selection principles and working techniques. Polishing of clinical crowns of teeth.	1	W03, W04, W05
TK04	Ultrasonic scalers – types, working techniques, types of tips for supragingival scaling, advantages and disadvantages of mechanical scalers compared to hand instruments. Bioaerosol – risks in the periodontal office. Air-polishing.	1	W02, W04, W05, U01, K01
TK05	Collection and preservation of samples for microbiological, cytological, and histopathological examinations in dentistry	1	W06, U03
Simulation			
TK01	Oral hygiene instruction on dental mannequins – toothbrushing techniques and interdental cleaning methods, calculation of the Approximal Plaque Index (API).	2	W05, U01, U02
TK02	Selection of instruments and hand scaling technique for supragingival deposits in the anterior region.	2	W03, W04, W05, U01, U02
TK03	Hand scaling in the posterior region. Improvement of scaling technique in the anterior region. Tooth surface polishing. Practical assessment.	2	W03, W05, U01, U02
TK04	Ultrasonic scaling, air polishing. Practical assessment.	2	W03, W05, U01, U02
TK05	Practical aspects of sample collection for diagnostic purposes in dentistry. Final written test.	2	W06, U03

Booklist
Obligatory literature:
1. Basic Periodontal Procedures. A textbook for students of dentistry and dental hygiene. Agnieszka Drożdżik, Wydawnictwo Czelej 2025
2. Basic Guide to Oral Health Education and Promotion. Chapman A., Felton S.H. Wiley & Sons Ltd 2021
3. Manual of Minor Oral Surgery for the General Dentist. Karl R. Koerner, Wiley-Blackwell 2006

Student's workload	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor

Contact hours with the tutor	15
Time spent on preparation to seminars/ practical classes	10
Time spent on reading recommended literature	10
Time spent on preparing to credit	14
Student's workload in total	49
ECTS credits for the subject (in total)	2
Remarks	

* Selected examples of methods of assessment:

EP – written examination

FCT – final credit test

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquim

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedia presentation

other...