



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Preclinical Endodontics	
Module type	Obligatory/Facultative (wybrać)
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year III, semester 5
ECTS credits (incl. semester breakdown)	3
Type/s of training	seminars 8 h/ practical/ 52h
Form of assessment*	<input type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input checked="" type="checkbox"/> final examination <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Prof. dr hab. n. med. Mariusz Lipski
Tutor responsible for the module	Dr n. med. Ewa Marek fantom@pum.edu.pl 91-466-1630
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/katedra-i-zaklad-stomatologii-zachowawczej-przedklinicznej-i-endodoncji-przedklinicznej
Language	English

* replace ☐ into ☒ where applicable

Detailed information

Module objectives		Goal of preclinical endodontics is teaching students how to diagnose and treat pulp and periapical diseases using newest methods and using modern tools and equipment.
Prerequisite /essential requirements	Knowledge	The student knows morphology of the teeth, root canals and materials using in endodontic treatment
	Skills	Work in accordance with the principles of ergonomics.
	Competences	Habit of self-education; co-operate with team members.

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 rules of administering local anesthesia in area of stomathognathic system	K_F.W06	seminary (oral answer)
W02	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	seminary (oral answer), practical classes (oral answer, test), final exam (test)
W03	knows principles of conduct of periapical diseases	K_F.W08	seminary (oral answer), practical classes (oral answer, test), final exam (test)
W04	knows morphology of pulp cavity and rules of endodontic treatment and instruments	K_F.W09	seminary (oral answer), practical classes (oral answer, test), final exam (test)
W05	knows causes and procedures for management with complications of stomathognathic system diseases	K_F.W14	seminary (oral answer)
U01	identifies research issues connected with his/her work	K_F.U14	seminary (oral answer)
U02	provides endodontic treatment and restores missing mineralized tissue of phantom tooth	K_C.U09	practical classes (oral answer, test), final exam (test)

K01	shows habit of self-education and lifelong education	K_K01	practical classes
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	practical classes
K03	can co-operate with team members and care about occupational safety	K_K03	practical classes
K04	understands sense of responsibility for entrusted property	K_K07	practical classes

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning	Other...
W01	knows rules of administering local anesthesia in area of stomathognatic system		X					
W02	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton		X			X		
W03	knows principles of conduct of periapical diseases		X			X		
W04	knows morphology of pulp cavity and rules of endodontic treatment and instruments		X			X		
W05	knows causes and procedures for management with complications of stomatognathic system diseases		X					
U01	identifies research issues connected with		X					
U02	provides endodontic treatment and restores					X		
K01	shows habit of self-education and lifelong education					X		
K02	accepts need of standards of conduct and legislation regarding medical practice					X		
K03	can co-operate with team members and care about occupational safety					X		
K04	understands sense of responsibility for entrusted property					X		

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
-----------------------------	--------------------	--------------	---------------------------------

Summer semester			
Seminars			
TK01	General rules of endodontic treatment. Teeth morphology and access cavity preparation	2	W01, W02, W03, W04
TK02	Teeth morphology and access cavity preparation	2	W01, W02, W03, W04
TK03	Canal length determination	2	W03, W04, W05 U01
TK04	Root canal irrigation, proper irrigation techniques	2	W04, W05 U01
Simulations			
TK01	Getting acquainted with the regulations of classes. Health and safety at work. Biological pulp treatment. Deep caries, Indirect and direct pulp capping – indications, contraindications, treatment technique, materials.	6	W02 U02 K01, K02, K03, K04
TK02	Teeth morphology and access cavity preparation	6	W04 U02 K01, K02, K03, K04
TK03	Endodontic hand instruments (files, barbers, broaches, reamers, burs)	6	W04 U02 K01, K02, K03, K04
TK04	Root canal irrigation, proper irrigation techniques Canal technique preparation (step-back technique, traditional technique)	6	W04 U02 K01, K02, K03, K04
TK05	Canal length determination- radiographic and electronic methods	6	W04 U02 K01, K02, K03, K04
TK06	Intracanal temporary disinfection materials: application methods and materials	6	W04 U02 K01, K02, K03, K04
TK07	Canal filling materials, obturation methods: single core technique and lateral condensation technique, evaluation of ideal root canal filling (underfilling, overfilling) and its quality (homogeneity, tightness) on x-ray picture	6	W04 U02 K01, K02, K03, K04
TK08	Division of periapical diseases and their diagnosis	5	W03, W04 U02 K01, K02, K03, K04
TK09	Rotary instruments	5	W04, U02 K01, K02, K03, K04
Booklist			
Obligatory literature:			
1. Valachi B.: Practice Dentistry Pain-Free: Evidence-based Ergonomic Strategies to Prevent Pain and Extend Your Career			
2. Ladley Finkbeiner B. : Four-Handed Dentistry: A Handbook of Clinical Application and Ergonomic Concepts			
3. Murphy D.C.: Ergonomics and Dental Care Worker			

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	30
Time spent on preparation to seminars/ practical classess	30
Time spent on reading recommended literature	30
Time spent on writing report/making project	
Time spent on preparing to colloquium/ entry test	15
Time spent on preparing to exam	30
Other	
Student's workload in total	135
ECTS credits for the subject (in total)	3
Remarks	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

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 – multimedial presentation

other...