



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

General Information

Module title	Preclinical Endodontics
Module type	Obligatory
Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine and Dentistry
Major	Not applicable
Level of study	long-cycle (S2J)
Mode of study	intramural
Year of studies, semester	Year 3, semester V
ECTS credits (incl. semester breakdown)	3
Type/s of training	seminars (8h)/ practical (52h)
Form of assessment	<p>- graded assessment: *</p> <ul style="list-style-type: none"><input type="checkbox"/> descriptive<input type="checkbox"/> test<input type="checkbox"/> practical<input type="checkbox"/> oral <p>X non-graded assessment *</p> <p>- final examination: *</p> <ul style="list-style-type: none">X descriptiveX testX practicalX oral
Head of the Department/ Clinic, Unit	Prof. dr hab. Mariusz Lipski
Tutor responsible for the module	Prof. dr hab. Mariusz Lipski: fantom@pum.edu.pl Dr n. med. Ewa Marek: fantom@pum.edu.pl Dr n. med. Katarzyna Kot: fantom@pum.edu.pl Lek. stom. Anna Gmerek: fantom@pum.edu.pl
Department's/ Clinic's/ Unit's website	Katedra i Zakład Stomatologii ZachowawczejPrzedklinicznej i Endodoncji Przedklinicznej
Language	English

*replace ☐ with X 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			
Number of learning outcome	Student, who has passed the (subject) Knows /is able to /can:	SYMBOL (referring the standards) EKK	Method of verification of learning outcomes
W01	knows rules of administering local anesthesia in area of stomathognatic system	K_F.W06	Oral thematic seminars, continous assessment on excercises/control of practical skills. Colloquia and oral and written test
W02	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	
W03	knows principles of conduct of periapical diseases	K_F.W08	
W04	knows morphology of pulp cavity and rules of endodontic treatment and instruments	K_F.W09	
W05	knows prophylaxis of oral cavity diseases	K_F.U09	
U01	identifies research issues connected with his/her work	K_F.U14	
U02	provides endodontic treatment and restores missing mineralized tissue of phantom tooth	K_C.U09	
K01	accepts need of standards of conduct and legislation regarding medical practice	K_K02	
K02	understands sense of responsibility for entrusted property	K_K07	
K03	shows habit of self-education and lifelong education	K_K01	
K04	can co-operate with team members and care about occupational safety	K_K03	

Table presenting the learning outcomes of the subject/module in relation to the form of classes								
No.	SYMBOL (referring the standards) ZEK	Types of training						
		Lecture	Seminar	Practical classes	Clinical classes	Other
1.	K_F.W06		X	X				
2.	K_F.W07		X	X				
3.	K_F.W08		X	X				
4.	K_F.W09		X	X				
5.	K_F.U09		X	X				
6.	K_F.U14		X	X				
7.	K_C.U09		X	X				
8.	K_K02			X				
9.	K_K07			X				
10.	K_K01		X	X				
11.	K_K03		X	X				

Module (subject) contents

Symbol of teaching programme	Content of teaching programme	Hours	References to learning outcomes
	Seminary:	4	
TK01	Diagnosis of the pulp diseases and periapical diseases. Endodontic treatment of vital and nonvital teeth. Teeth morphology and endodontic access		W02,03,04,05 K03,04
	Seminary:	4	
TK02	Teeth morphology and endodontic access		W02,03,04,05 K03,04
	Exercise:		
TK03	Teeth morphology and endodontic access in extracted teeth, Catheterization of canal and preparation of canal's orifice	4	W02,03,04,05 U02 K01,02,03,04
TK04	Diagnosis and division of the pulp diseases	4	W02 K03,04
TK05	Endodontic treatment of vital and nonvital teeth	4	W02,03 U02
TK06	Diagnosis, division and treatment of periapical diseases	4	W03,05 U02 K01,02,03,04
TK07	Endodontic hand instruments (files, barber broaches, reamers)	4	W04 U01,02
TK08	Canal length determination - radiographic and electronic methods	4	W02,03,04 U01,02 K01,02,03,04
TK09	Techniques of preparation of root canals with particular regard of step-back technique and traditional technique	4	W02,03,04 U01,02 K01,02,03,04

TK10	Root canal irrigation (tools, solutions, bases)	4	W02,03,04 U01,02 K01,02,03,04
TK11	Intracanal temporary disinfection materials	4	W02,03 U01,02
TK12	Canal filling materials. Obturation the canal with single core technique	4	W02,03 U01,02 K01,02,03,04
TK13	Canal filling materials. Obturation the canal with lateral condensation technique	4	W02,03 U01,02 K01,02,03,04
TK14	Anesthesia in endodontics. Endodontic treatment of deciduous teeth and immature permanent teeth	4	W01,02,03,04,05 U01,02 K01,02,03,04
TK15	Evaluation of the quality of endodontic treatment, treatment effectiveness. Making up backlog	4	U02 K01,02,03,04

References and educational resources

1. Pathways of the pulp” by S. Cohen, R. C. Burns

2. Endodontics. Principles and practices" by M. Torabinejad, R.W. Walton

3. Clinical Endodontics" by L. Tronstad

Student's workload (balance sheet of ECTS points)			
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Workload [h]		
	Tutor	Student	Average
activities that require direct participation of tutors	60		
Preparation to the classes	15		
Reading of the indicated/specified literature	15		
Report writing/project making	60		
Time spent to prepare for the exam	30		
Time spent to prepare for test	15		
Student's workload in total	195		
ECTS points for the subject	3		
Remarks at the end			

Methods of assessment, for example:

E – exam- problem resolving

S – verifying of practical skills

R – report

D – discussion

P – presentation

Others-