



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2018/2019

### General Information

<b>Module title</b>	<i>Conservative dentistry with Endodontics</i>
Module type	<i>Obligatory</i>
Faculty	<i>Faculty of Medicine and Dentistry</i>
Field of study	<i>Medicine and Dentistry (wybrać)</i>
Major	<i>Not applicable</i>
Level of study	<i>long-cycle (S2J)</i>
Mode of study	<i>intramural</i>
Year of studies, semester	<i>Year IV, semester VII and VIII</i>
ECTS credits (incl. semester breakdown)	<i>11 (semester VII-5, semester VIII -6)</i>
Type/s of training	<i>VII semester :lectures 15h/ seminars 6h / practical 84h VIII semester: lectures 15/ seminars 3h /practical 87h</i>
Form of assessment	<i>graded assessment</i>
Head of the Department/ Clinic, Unit	<i>Prof. dr hab. Jadwiga Buczkowska - Radlińska</i>
Tutor responsible for the module	<i>dr n. med. Monika Szmidt</i>
Department's/ Clinic's/ Unit's website	<i><a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/katedra-i-zaklad-stomatologii-zachowawczej-i-endodoncji">https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/katedra-i-zaklad-stomatologii-zachowawczej-i-endodoncji</a></i>
Language	<i>English</i>

**Detailed information**

<b>Module objectives</b>		The aim of conservative dentistry with endodontics course is to expand theoretical knowledge and improvement and consolidation of practical skills in the field of health promotion and prevention, diagnosis and treatment of diseases falling within the scope of dentistry as to prepare the student to pursue independently the profession of dentistry.
Prerequisite /essential requirements	Knowledge	Knowledge of anatomy, function of stomatogenic system Knowledge of organization of work of dental practice, instrumentarium Knowledge of rules of ergonomics of individual work and team work with an assistant Knowledge and ability to diagnose, prevent and treatment of dental caries and non-carious lesions. Knowledge of bases for disinfection, sterilization and aseptics Knowledge of etiology, diagnostics and treatment of pulp and periodontium ligament disease. Knowledge of the composition, construction, way binding, properties, purpose and use of dental materials.
	Skills	Work in dental practice knowing rules of ergonomics and safety work regulations Prepare and fill carious and non-carious cavities in patients Choose prepare and use correct dental medicaments and materials
	Competences	Ability to selfeducation, to establish contact with patients

<b>Description of the learning outcomes for the subject /module</b>			
<b>No. of learning outcome</b>	<b>Student, who has passed the (subject) knows /is able to /can:</b>	<b>SYMBOL (referring the standards) ZEK</b>	<b>Method of verification of learning outcomes *</b>
W01	knows rules of prophylactic-therapeutic procedures in diseases of stomatognathic system in different phases of development	K_F.W03	PS- permanent assessment of student's ability to work and knowledge S- seminars
W02	knows symptoms, course and procedures for certain diseases of oral cavity , head and neck with regard to age groups	K_F.W05	
W03	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	
W04	knows principles of conduct of periapical diseases	K_F.W08	
W05	knows morphology of pulp cavity and rules of endodontic treatment and instruments	K_F.W09	
W06	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	
W07	knows therapy and methods of preventing and controlling pain, stress and anxiety	K_F.W17	
W08	knows of rules of anesthesia in dental procedures and basic pharmacological agents	K_F.W19	

U01	interviews patient or his/her family	K_F.U01	PS- permanent assessment of student's ability to work and knowledge S- seminars
U02	carries out physical examination of patient	K_F.U02	
U03	provides patient with explanation about nature of ailment, prescribes treatment confirmed by patient's free consent and prognosis	K_F.U03	
U04	provides patient or his/her relatives with bad news about health state	K_F.U04	
U05	interprets results of ancillary tests	K_F.U06	
U06	finds indications as to performance of certain dental procedure	K_F.U07	
U07	knows prophylaxis of oral cavity diseases	K_F.U08	
U08	knows procedures applicable to diseases of stomatognathic system tissues, tooth fracture and jaw bones	K_F.U09	
U09	treats acute and chronic tooth-related and non-tooth-related inflammation of oral cavity soft tissue, paradontium and jaw bones	K_F.U10	
U10	Knows procedures applicable to cases of general and local complications	K_F.U11	PS- permanent assessment of student's ability to work and knowledge S- seminars TE – 30 test questions after VII semester and 30 test questions after VIII semester
U11	keeps day-to-day patient's records, refers patient to general and special dental and medical examination or treatment	K_F.U13	
U12	Presents selected medical issues in written or oral form relevantly to recipient standards	K_F.U15	
U13	describes pathological changes in cells, tissues and organs according to basic mechanism	K_F.U16	
U14	selects and performs certain test to indentify numer of caries bacteria in oral cavity	K_F.U17	
U15	establishes treatment in diseases of stomatognathic system tissues	K_F.U18	
U16	uses certain drugs during and after dental procedurę to relieve pain and stress	K_F.U19	
K01	shows habit of self-education and lifelong education	K_K01	
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	
K03	shows respect to patient, social groups and cares for their goodwill and security	K_K05	
K04	understands need for keeping professional secrecy and showing respect to patient's rights	K_K09	

Table presenting learning outcomes of the subject/module in relation to the form of classes									
No.	SYMBOL (referring the standards) ZEK	Type/s of training							
		Lectures	Seminars	Practical classes	Clinical classes	...	...	...	Other...
1.	K_F.W03	x	x						
2.	K_F.W05	x	x						
3.	K_F.W07	x	x						
4.	K_F.W08	x	x						
5.	K_F.W09	x	x						
6.	K_F.W14	x	x						
7.	K_F.W17	x	x						
8.	K_F.W19	x	x						
9.	K_F.U01	x	x						
10.	K_F.U02	x	x						
11.	K_F.U03				x				
12.	K_F.U04				x				
13.	K_F.U06	x	x						
14.	K_F.U07	x	x						
15.	K_F.U08								
16.	K_F.U09								
17.	K_F.U10								
18.	K_F.U11								
19.	K_F.U13								
20.	K_F.U15								
21.	K_F.U16								
22.	K_F.U17								
23.	K_F.U18								
24.	K_F.U19								
25.	K_K01								
26.	K_K02								
27.	K_K05								
28.	K_K09								

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
	<b>Lectures/Seminars</b>		
TK 01	Pulp space anatomy. Access cavities. Morphology of endodontium. Etiology and pathology of pulp disease. Anamnesis and clinical examination in dental pulp pathology. Pulp status diagnostic tests. Algorithm of endodontic and biological treatment according to pulp health status.	12	W03, W05, W07, W08, U01, U02, U05, U06, U08, U013
TK 02	Morphology of periapical region. Etiology of periapical tissue pathology. Division of periapical inflammations. Symptoms and treatment of acute and chronic apical periodontitis. Antiseptic canal treatment.	8	W01, W03, W04, W05, W06, U05, U06, U07, U08, U09

TK 03	Indications to canal retreatment. Complications in RCT. Algorithm of treatment with oedema, perforation. Complications in canal instrumentation. Antibiotics in RCT. Rubber-dam.	6	W01, W02, W03, W07, U06, U07, U15
TK 04	New techniques in canal obturation. Intracanal medicaments and solutions used in RCT. Differential diagnosis in pulp and periapical pathology. Diagnostic tests in periapical tissue diagnostic.	6	W03, W04, W05, W06, U05, U06, U08, U09, U10, U15,
TK 05	Diagnostic and division of pulp pathology. Local anaesthesia in endodontic treatment. Methods of root canal treatment: preparation and obturation. Lateral condensation technique. X-ray aspect of RCT. Endodontic Instrumentarium.	7	W03, W04, W05, W06, U05, U06, U08, U09, U10, U15, U16, U17, U19
<b>Clinical classes</b>			
TK06	Practical use of acquired knowledge during practical classes with patients	171	W01, W02, W03, W04, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, K01, K02, K03, K04

**Booklist****Obligatory literature:**

1. Sturdevant's art and science of operative dentistry / senior ed. Theodore M. Roberson; coeds. Harald O. Heymann, Edward J. Swift. Art and science of operative dentistry 6th ed. St. Louis: Mosby Elsevier, cop. 2012. ISBN 9780323083331

2. Textbook of Endodontology Second Edition / Gunnar Bergenholz, Preben Hørsted-Bindslev, Claes Reit: Wiley- Blackwell 2010

**Supplementary literature:**

1. Cohen's pathways of the pulp / ed. Kenneth M. Hargreaves, Stephen Cohen; web ed. Louis H. Berman. Pathways of the pulp 10th ed. St. Louis: Mosby Elsevier, cop. 2011. ISBN 9780323064897

2. Harty's Endodontics in Clinical Practice / Bun San Chong: Elsevier 2010

3. Dental Caries: The Disease and Its Clinical Management / Edwina Kidd, Ole Fejerskov: Blackwell 2008

**Student's workload (balance sheet of ECTS credits)**

Form of student’s activity (in-class participation; activeness, produce a report, etc.)	Student’s workload [h]		
	Tutor	Student	Average
Contact hours with the tutor	210		
Time spent on preparation to seminars/ practical classess			
Time spent on reading recommended literature			
Time spent on writing report/making project			
Time spent on preparing to colloquium/ entry test			
Time spent on preparing to exam			
Other .....			
Student’s workload in total			
ECTS credits for the subject (in total)	11		
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...