



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Conservative Dentistry with Endodontics	
Module type	Obligatory
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 V, VI
ECTS credits (incl. semester breakdown)	6 (semester V-3, semester VI-3)
Type/s of training	lectures (20h) /seminars (9h)/ practical(81h) Semester V: W:10h, S:6h, P:39h Semester VI: W:10h, S:3h, P:42h
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> descriptive</li> <li><input checked="" type="checkbox"/> test</li> <li><input checked="" type="checkbox"/> practical</li> <li><input checked="" type="checkbox"/> oral</li> </ul> <input type="checkbox"/> non-graded assessment <ul style="list-style-type: none"> <li><input type="checkbox"/> final examination <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> </li> </ul>
Head of the Department/ Clinic, Unit	dr hab. n. med. Alicja Nowicka, prof. PUM
Tutor responsible for the module	dr n. med. Monika Szmidt-Kądys
Department's/ Clinic's/ Unit's website	<a href="https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/katedra-i-zaklad-stomatologii-zachowawczej-i-endodoncji">https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/katedra-i-zaklad-stomatologii-zachowawczej-i-endodoncji</a>
Language	English

\* replace  into  where applicable

**Detailed information**

<b>Module objectives</b>	<p>The aim of conservative dentistry with endodontics course is to prepare competent dentist for treating adult patients.</p> <p>Special emphasis is placed on the graduate to gain skills in a field of clinical thinking, examination of the patient, diagnostic procedures and differential diagnosis.</p> <p>During the course of study, student will acquire knowledge about the subject of the correct anatomy, function, etiology, pathology and symptoms of stomatognathic system diseases as well as new diagnostic tools and methods of treatment, that will enable the graduate to perform effective therapeutic procedures in particular diseases of oral mouth, head and neck in adults.</p> <p>To expand theoretical knowledge and improve and consolidate the 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.</p> <p>Graduate assimilates knowledge of the connections between general medicine and dentistry, the influence of general diseases and their treatment on dental procedures and obtains the ability to diagnose general diseases on the basis of symptoms detected in the oral cavity.</p> <p>Graduate should be able to perform necessary dental treatment before surgical procedures, chemotherapy and radiotherapy.</p>	
Prerequisite /essential requirements	Knowledge	<p>Knowledge of anatomy and function of stomatognathic system. Knowledge of organization of work of dental practice, instrumentarium. Knowledge of the work environment, dental instruments and dental practice organization. Knowledge of the rules of ergonomics and work safety. Knowledge and ability to diagnose, prevent and treat dental caries and non-carious lesions.</p> <p>Knowledge of bases for disinfection, sterilization and aseptic work. Knowledge of etiology, diagnostics and treatment of pulp and periodontium ligament diseases.</p> <p>Knowledge of the composition, construction, properties, purpose and use of dental materials.</p>
	Skills	<p>Work in dental practice knowing rules of ergonomics and safety work regulations.</p> <p>Prepare and fill carious and non-carious cavities in patients.</p> <p>Choose, prepare and use correct dental medicaments and materials.</p>
	Competences	<p>Ability to self-education, to establish contact with patients</p>

<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)</b>	<b>Method of verification of learning outcomes*</b>
W01	knows principles of conduct of pulp diseases and mineralized tooth tissue and injury of tooth and facial skeleton	K_F.W07	TS, W, S
W02	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	TS, W, S
U01	interviews patient or his/her family	K_F.U01	TS, W, S
U02	carries out physical examination of patient	K_F.U02	TS, W, S
U03	provides patient with explanation about nature of ailment, prescribes treatment confirmed by patient's free consent and prognosis	K_F.U03	S
U04	provides patient or his/her relatives with bad news about health state	K_F.U04	S
U05	interprets results of ancillary tests	K_F.U06	TS, W, S
U06	finds indications as to performance of certain dental procedure	K_F.U07	TS, W, S
U07	knows prophylaxis of oral cavity diseases	K_F.U08	TS, W, S
U08	knows procedures applicable to diseases of stomatognathic system tissues, tooth and jaw bones	K_F.U09	TS, W, S
U09	knows procedures applicable to cases of general and local complications during and after dental treatment	K_F.U11	TS, W, S
U10	keeps day-to-day patient's records, refers patient to general and special dental and medical examination or treatment	K_F.U13	S
U11	presents selected medical issues in written or oral form relevantly to recipient standards	K_F.U15	S
U12	explains pathological changes in cells, tissues and organs according to basic mechanisms	K_F.U16	TS, W, S
U13	selects and performs certain tests to identify number of caries bacteria in oral cavity	K_F.U17	TS, W, S
U14	establishes treatment in diseases of stomatognathic system tissues	K_F.U18	TS, W, S
K01	shows habit of self-education and lifelong education	K_K01	S
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	S
K03	shows respect to patient, social groups and cares for their goodwill and security	K_K05	S
K04	understands need for keeping professional secrecy and showing respect to patients' rights	K_K09	S

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	K_F.W07	X	X		X			
W02	K_F.W14	X	X		X			
U01	K_F.U01		X		X			
U02	K_F.U02		X		X			
U03	K_F.U03		X		X			
U04	K_F.U04		X		X			
U05	K_F.U06	X	X		X			
U06	K_F.U07	X	X		X			
U07	K_F.U08	X	X		X			
U08	K_F.U09	X	X		X			
U09	K_F.U11	X			X			
U10	K_F.U13	X			X			
U11	K_F.U15		X		X			
U12	K_F.U16	X	X		X			
U13	K_F.U17	X	X		X			
U14	K_F.U18	X	X		X			
K01	K_K01				X			
K02	K_K02				X			
K03	K_K05				X			
K04	K_K09				X			

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
<b>Winter semester</b>			
<b>Lectures</b>			
TK01	Operator and the environment of dental practice according to ergonomics.	1,5	U10
TK02	Etiology of dental caries.	1	U07, U12, U13
TK03	Contemporary view on dental caries. Preventive and treatment plan	2	U07, U12, U13
TK04	Non -operative and operative methods of dental caries treatment.	2	W01, U06, U08, U14
TK05	Alternative methods of cavity preparation.	1	W01, U06, U08, U14
TK06	Principles of cavity design and preparation for composites filling	1	U08
TK07	Diagnostics, etiology and treatment of secondary caries.	1,5	W02, U05, U06, U08,
<b>Seminars</b>			
TK01	Medical and Dental procedures .Clinical extraoral and intraoral examination	1	U01, U02, U03, U04

TK02	Examination of dental pulp status. Epidemiological caries indicators.	1	U05, U07, U13
TK03	Preventive methods of dental caries in adults.	1	U07, U13
TK04	Diagnosis of dental caries.	1	W01, U05, U06, U13
TK05	Pathology of carious process in enamel, dentin and cementum. Division of dental caries. Treatment	1	U12
TK06	Management of deep caries cavities. Biomaterials	1	W01, U06, U08, U14
<b>Practical classes</b>			
TK01	Practical use of acquired knowledge of diagnosis and treatment of mineralized tissue during practical classes with patients	39	W01, W02, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, K01, K02, K03, K04
<b>Summer semester</b>			
<b>Lectures</b>			
TK01	Basics of aesthetic reconstruction.	1	W01, U06, U08, U14
TK02	Adhesion to enamel and dentin. Adhesive systems p.1	1	U08
TK03	Adhesive systems p.2	1	U08
TK04	Direct, anatomical restorations of anterior and lateral teeth. Indications, technique, materials.	2	W01, U06, U08, U14
TK05	Dentin sensitivity (hypersensitivity): etiopathomechanism, clinical view, management, treatment effectiveness	2	W01, U06, U08, U14
TK06	Diagnosis and treatment of root caries.	1	W01, U06, U08, U14
TK07	Diagnosis and treatment of complications in conservative dentistry - summary	2	W02, U09
<b>Seminars</b>			
TK01	Materials used in the dental caries treatment.	1	W01, W02
TK02	Cavities of non-carious origin. Diagnostics, prevention, prophylactic and treatment plan.	1	W01, U08
TK03	Methods of non-carious lesions treatment.	1	U06, U08, U14
<b>Practical classes</b>			
TK01	Practical use of acquired knowledge of diagnosis and treatment of mineralized tissue during practical classes with patients	42	W01, W02, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, K01, K02, K03, K04

<b>Booklist</b>
Obligatory literature:
1. Pickard's manual of operative dentistry /Edwina A. M. Kidd, Bernard G. N. Smith, Timothy F. Watson. 9th ed. Oxford Oxford Univ. Press, cop. 2011. ISBN 978019957915
2. Essentials of dental caries: The disease and its management Edwina Kidd. 3rd ed. Oxford; New York: Oxford University Press 2005. ISBN 9780198529781
Supplementary literature:
1. Dental Caries: The Disease and Its Clinical Management Edwina Kidd, Ole Fejerskov: Blackwell 2008
2. Sturdevant's art and science of operative dentistry /senior ed. Theodore M. Roberson; co-eds. Harald O. Heymann, Edward J. Swift. Art and science of operative dentistry 6th ed. St. Louis Mosby Elsevier, cop. 2012. ISBN 9780323083331

<b>Student's workload</b>	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	110
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	
<b>ECTS credits for the subject (in total)</b>	<b>6</b>
<b>Remarks</b>	

\* 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...