



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Preclinical Conservative Dentistry	
Module type	<u>Obligatory</u> /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 2 , semester IV
ECTS credits (incl. semester breakdown)	4
Type/s of training	seminars (8h)/ practical classes (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. Katarzyna Kot 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 conservative dentistry is teaching students how to diagnose and treat dental caries and how to restore destroyed crown's tissues due to caries and other diseases
Prerequisite /essential requirements	Knowledge	The student knows anatomy and histology of the teeth, the materials and the instruments used in conservative dentistry
	Skills	Work in accordance with the principles of ergonomics
	Competences	Habit of self-education; co-operate with team member

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 surface properties of tooth hard tissue and dental biomaterials	C.W26.	oral thematic seminars, continuous assessment during classes/practical skills check, colloquium as well as oral, written and test credits, final test exam
W02	knows and understands adhesion and mechanism of developing adhesive joint and procedures for adhesive preparation of enamel, dentine and dental biomaterials surfaces	C.W27.	oral thematic seminars, continuous assessment during classes/practical skills check, colloquium as well as oral, written and test credits, final test exam
W03	knows and understands basic clinical procedures for reconstruction of tooth hard tissue, endodontic treatment and methods and laboratory procedures for prosthetic restorations	C.W28.	oral thematic seminars, continuous assessment during classes/practical skills check, colloquium as well as oral, written and test credits, final test exam

W04	knows and understands principles of management in the case of pulp diseases and mineralized dental tissues as well as teeth and facial bones trauma	F.W5.	oral thematic seminars, continuous assessment during classes/practical skills check, colloquium as well as oral, written and test credits, final test exam
W05	knows and understands indications and contraindications to esthetic procedures	F.W11.	oral thematic seminars, continuous assessment during classes/practical skills check, colloquium as well as oral, written and test credits, final test exam
U01	is able to provide endodontic treatment and restore missing mineralized tissue of phantom tooth	C.U9.	assessed on classes practical exam
U02	is able to apply adhesive techniques	C.U10.	assessed on classes practical exam
U03	is able to select reconstructive, prosthetic and binding materials according to properties of materials and clinical conditions	C.U11.	assessed on classes practical exam
U04	is able to formulate research problems in dentistry	F.U12.	assessed on classes practical exam
K01	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	assessed on classes
K02	is ready to propagate health-promoting behavior	K.6.	assessed on classes
K03	is ready to use reliable sources of information	K.7.	assessed on classes
K04	is ready to assume responsibility related to decisions taken as a part of professional activity, also in terms of own safety and the safety of others	K.11.	assessed on 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 and understands surface properties of tooth hard tissue and dental biomaterials		X			X		
W02	knows and understands adhesion and mechanism of developing adhesive joint and procedures for adhesive preparation of enamel, dentine and dental biomaterials surfaces		X			X		
W03	knows and understands basic clinical procedures for reconstruction of tooth hard tissue, endodontic treatment and methods and laboratory procedures for prosthetic restorations		X			X		
W04	knows and understands principles of management in the case of pulp diseases and mineralized dental tissues as well as teeth and facial bones trauma		X			X		
W05	knows and understands indications and contraindications to esthetic procedures		X			X		
U01	is able to provide endodontic treatment and restore missing mineralized tissue of phantom tooth					X		
U02	is able to apply adhesive techniques					X		
U03	is able to select reconstructive, prosthetic and binding materials according to properties of materials and clinical conditions					X		
U04	is able to formulate research problems in dentistry		X					
K01	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs					X		
K02	is ready to propagate health-promoting behavior					X		
K03	is ready to use reliable sources of information					X		
K04	is ready to assume responsibility related to decisions taken as a part of professional activity, also in terms of own safety and the safety of others					X		

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Summer semester			
Seminars			
TK01	Basic information about vital pulp therapy- part I. Indirect pulp capping. Materials for indirect pulp capping.	1	W02,W03,W04 U04
TK02	Basic information about vital pulp therapy- part II. Direct pulp capping.	1	W02,W03,W04 U04
TK03	Anatomy of upper first molar - rules for restoration occlusal surface- tools.	2	W01,W02,W03, W05 U04
TK04	Anatomy of lower first molar - rules for restoration occlusal surface- tools.	2	W01,W02,W03, W05 U04
TK05	Cheeking adjusting occlusion.	2	W02,W03,W05 U04
Simulation			
TK01	Theory: Environment of dental practice. Health and safety regulations. Disinfection and sterilization. Dental charting. Tooth notation. Basic dental instrumentation and materials. Moisture control – rubber dam. Classification of caries. Principles of cavity design and preparation. G.V. Black and Mount-Hume classification.	4	W01,W05 U02,U03 K01,K02,K03, K04
TK02	Theory: Principles of cavity design and preparation. G.V. Black and Mount-Hume classification. C. incipiens, c. superficialis. Practice: widened fissure sealing – molar tooth	4	W01,W02,W05 U01,U02,U03 K01,K02,K03, K04
TK03	Theory: Ist class G.V.Black –cavity design. Amalgam principles of use. Dental cements. Practice: preparation of caries media on occlusal surface. Base - Glass Ionomer, filling – Amalgam.	4	W01,W03 U01,U02,U03 K01,K02,K03, K04
TK04	Theory: IInd class G.V.Black – cavity design. Matrix systems. Amalgam principles of use. Practice: carving and finishing amalgam from previous classes. Preparation of caries media on approximal surface of premolar tooth. Base- Glass Ionomer, filling – Amalgam.	4	W01,W03 U01,U03 K01,K02,K03, K04
TK05	Theory: Vth class G.V.Black –cavity design. Practice: carving and finishing amalgam from previous classes. Preparation of caries media on buccal surface of molar tooth. Base - Glass Ionomer, filling – Amalgam.	4	W01,W03 U01,U03 K01,K02,K03, K04
TK06	Theory: IIIrd class G.V. Black-cavity design. Differences in cavity preparation for amalgam and composite. Basic knowledge in composite and bonding techniques. Basic knowledge in color and shade analysis. Finishing of the composites.	4	W01,W02,W03, W05 U01,U02,U03 K01,K02, K03,K04

	Practice: Carving and finishing amalgam from previous classes. Preparation of caries media on approximal surface without removal labial wall in anterior teeth. Filling – Composite.		
TK07	Theory: IIIrd class G.V. Black-cavity design. Differences in cavity preparation for amalgam and composite. Basic knowledge in composite and bonding techniques. Basic knowledge in color and shade analysis. Finishing of the composites. Practice: Carving and finishing amalgam from previous classes. Preparation of caries media on approximal surface with removal labial wall in anterior teeth. Filling – Composite.	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03, K04
TK08	Theory: Differences in cavity preparation for GIC and composite in V class G.V.Black. Glass Ionomer Cements. Enamel preparation for aesthetic restorations. Practice: Preparation of caries media on labial surface of anterior tooth. Filling composite. Practice: Preparation of caries media on buccal surface of premolar tooth. Filling glass ionomer.	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03, K04
TK09	Theory: IVth class G.V.Black-cavity design. Enamel preparation for aesthetic restorations. Practice: Preparation of caries media on approximal surface of anterior tooth. Filling composite.	4	W01,W02,W03, W05 U01,U02,U03 K01,K02,K03, K04
TK10	Theory: Biological pulp treatment. Deep caries. Indirect pulp capping – indications contraindications, treatment technique, materials. Practice: preparation of deep caries on approximal surface of premolar tooth. Indirect pulp capping, filling –composite.	3	W01,W02,W03, W04,W05 U01, U02, U03 K01, K02, K03, K04
TK11	Theory: Biological pulp treatment. Deep caries. Direct pulp capping– indications contraindications, treatment technique. Practice: preparation of deep caries on approximal surface of molar tooth. Direct pulp capping, filling –composite	3	W01,W02,W03, W04,W05 U01, U02, U03 K01, K02, K03, K04
TK12	Theory: Anatomy of upper first molar - rules for restoration occlusal surface- tools. Practice: Preparation of caries media on mesio-occlusal-diastal cavity on tooth 16 or 26. Base-GIC, filling composite.	2	W01,W02,W03, W05 U01, U02, U03 K01, K02, K03, K04
TK13	Theory: Anatomy of lower first molar - rules for restoration occlusal surface- tools. Practice: Preparation of caries media on both proximal and occlusal surfaces on tooth 36 or 46. Base –GIC, filling composite.	2	W01,W02,W03, W05 U01,U02,U03 K01, K02, K03, K04
TK14	Cheeking adjusting occlusion. Rubber dam.	2	W01,W02,W03, W05 U01,U03 K01,K02, K03,K04
TK15	Summary. Practical exam. Rubber dam.	4	W01,W02,W03, W04,W05 U01,U02,U03 K01,K02,K03, K04

Booklist
Obligatory literature:
1. Garg N., Garg A.: Textbook of operative dentistry
2. Kidd E. A.M.: Pickard's Manual Of Operative Dentistry
3. Roberson T.M.: Art & Science of operative dentistry

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	60
Time spent on preparation to seminars/ practical classess	15
Time spent on reading recommended literature	15
Time spent on writing report/making project	0
Time spent on preparing to colloquium/ entry test	50
Time spent on preparing to exam	50
Other	
Student's workload in total	190
ECTS credits for the subject (in total)	4
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...