



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Drawing and modeling in dentistry (faculty)	
Module type	Obligatory/ <u>Facultative</u> (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 IV , semester VIII
ECTS credits (incl. semester breakdown)	1
Type/s of training	seminars (10h)/ practical classes (15h)
Form of assessment*	<input checked="" type="checkbox"/> assessment: <input checked="" type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <input type="checkbox"/> descriptive <input type="checkbox"/> test <input 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 faculty of drawing and modeling in dentistry is teaching students the modern techniques of reconstructing the tissues of the tooth crown damaged by caries and other diseases
Prerequisite /essential requirements	Knowledge	The student knows the anatomy of the teeth, materials and instruments used in restorative 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 explains surface properties of tooth hard tissue and dental biomaterials	K_C.W26	oral thematic seminars, continuous assessment during classes/practical skills check, graded assessment
W02	defines adhesion and mechanism of developing adhesive joint and procedures for adhesive preparation of enamel, dentine and dental biomaterials surfaces	K_C.W27	oral thematic seminars, continuous assessment during classes/practical skills check, graded assessment
W03	knows basic clinical procedures for reconstruction of tooth hard tissue	K_C.W28	oral thematic seminars, continuous assessment during classes/practical skills check, graded assessment
W04	knows indications and contraindications as to esthetic dentistry procedures	K_F.W13	oral thematic seminars, continuous assessment during classes/practical skills check,

			graded assessment
U01	restores missing mineralized tissue of phantom tooth	K_C.U09	assessed on classes
U02	applies adhesive techniques	K_C.U10	assessed on classes
U03	selects reconstructive, prosthetic and binding materials according to properties of materials and clinical conditions	K_C.U11	assessed on classes
K01	accepts need of standards of conduct and legislation regarding medical practice	K_K02	assessed on classes
K02	understands sense of responsibility for entrusted property	K_K07	assessed on classes
K03	shows habit of self-education and lifelong education	K_K01	assessed on classes
K04	can co-operate with team members and care about occupational safety	K_K03	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 classes	Clinical classes	Simulations	E-learning	Other...
W01	knows and explains surface properties of tooth hard tissue and dental biomaterials		X			X		
W02	defines adhesion and mechanism of developing adhesive joint and procedures for adhesive preparation of enamel, dentine and dental biomaterials surfaces		X			X		
W03	knows basic clinical procedures for reconstruction of tooth hard tissue		X			X		
W04	knows indications and contraindications as to esthetic dentistry procedures		X			X		
U01	restores missing mineralized tissue of phantom tooth					X		
U02	applies adhesive techniques					X		
U03	selects reconstructive, prosthetic and binding materials according to properties of materials and clinical conditions					X		

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

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Summer semester			
Seminars			
TK01	Anatomy of upper first molar - rules for restoration occlusal surface- tools.	2	W01, W02, W03, W04
TK02	Anatomy of lower first molar - rules for restoration occlusal surface- tools.	2	W01, W02, W03, W04
TK03	Anatomy of upper incisors- rules for restoration occlusal surface- tools.	2	W01, W02, W03, W04
TK04	Pathological tooth attrition, causes, consequences and principles of tooth reconstruction.	2	W01, W02, W03, W04
TK05	General principles of adhesive reconstruction. Summary.	2	W01, W02, W03, W04
Simulation			
TK01	Anatomy of upper first molar - rules for restoration occlusal surface- tools. A drawing on graph paper of a tooth crown. Reconstruction of the Ist class cavity.	3	W01, W02, W03, W04 U01,U02,U03 K01, K02, K03, K04
TK02	Anatomy of lower first molar - rules for restoration occlusal surface- tools. A drawing on graph paper of a tooth crown. Reconstruction of the Ist class cavity using the occlusal stamp technique.	4	W01, W02, W03, W04 U01,U02,U03 K01, K02, K03, K04
TK03	Anatomy of upper incisors- rules for restoration occlusal surface- tools. A drawing on graph paper of a tooth crown. IVth cavity reconstruction using silicone index.	4	W01, W02, W03, W04 U01,U02,U03 K01, K02, K03, K04
TK04	Pathological tooth attrition, causes, consequences and principles of tooth reconstruction. A drawing on graph paper of a tooth crown. IVth class cavity reconstruction using flow injection technique.	4	W01, W02, W03, W04 U01,U02,U03 K01, K02, K03, K04

Booklist
Obligatory literature:
1. Douglas A. Terry.: Kompozyty flow w praktyce. Wydawnictwo Kwintesencja, Warszawa, 2019.
2. Levine J.B pod red. Borczyk D.: Stomatologia Estetyczna. Edra Urban & Partner, Wrocław, 2016.
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	25
Time spent on preparation to seminars/ practical classess	5
Time spent on reading recommended literature	5
Time spent on writing report/making project	0
Time spent on preparing to colloquium/ entry test	6
Time spent on preparing to exam	0
Other	
Student's workload in total	41
ECTS credits for the subject (in total)	1
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...