



SYLLABUS of the MODULE (SUBJECT)
General information

Module title: Dental prosthetics	
Module type	Obligatory
Faculty PMU	Medicine and Dentistry (WLS)
Major	Medicine and Dentistry (KLD)
Specialty	Not applicable
Level of study	long-cycle
Mode of study	full-time/part-time
Year of studies, semester	Year 3 , semester V and VI
ECTS credits (incl. semester breakdown)	4 ECTS (semester V - 2, semester VI - 2)
Type/s of training	Lectures-10h (sem. V) Seminars -10h (sem. V-5 , sem. VI - 5) practical classes on phantoms 70h (sem. V- , sem. 35 VI - 35)
Form of assessment	graded assessment
Head of the Department/ Clinic, Unit	hab. Ewa Sobolewska prof. PUM
Persons conducting classes with indication of a tutor or person responsible for the module	hab. Ewa Sobolewska prof. PUM dr n. med. Grażyna Aleksandruk dr n. med. Maria Andruczyk dr n. med. Małgorzata Chruściel-Nogalska dr n. med. Bartosz Dalewski dr hab. n. med. Halina Ey-Chmielewska lek. stom. Grzegorz Gorzkowski dr n. med. Krystyna Grabikowska-Prowans dr n. med. Edward Kijak <u>dr n. med. Małgorzata Kozak- malgorzata.kozak@pum.edu.pl</u> dr n. med. Janusz Kubrak lek. stom. Agnieszka Lapis dr n. med. Małgorzata Światłowska-Bajzert
Department's/Clinic's/Unit's website	<u>https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/Katedra-i-Zaklad-Protetyki-Stomatologicznej</u>
Language	Polish/English

Detailed information

Module objectives		The objective of teaching prosthetics of dentistry is to master the knowledge of the characteristics of fixed and removable prostheses on the basis of material technology and laboratory procedures. As part of practical classes, the student performs individual laboratory phases of fixed and removable prosthetic work and participates in demonstrations of some laboratory phases (casting, canning, polymerization). The objective of the teaching is also to master theoretical knowledge and practical skills to the extent allowing independent determination of indications, planing and carrying out prosthetic treatment in simple cases of missing teeth with the use of removable partial dentures and fixed prostheses. Acquisition and consolidation of necessary theoretical knowledge, improvement of practical-manual skills.	
Prerequisite /essential requirements	Knowledge	Basic knowledge of the structure and function of the stomatognathic system.	
	Skills	Operation of the dental unit, knowledge of the principles of operation of devices which are on the equipment of clinical rooms, knowledge of the principles of operation of devices in technical laboratories.	
	Competences	Self-education habit; teamwork.	
Description of the learning outcomes for the subject /module			
item	Student, who has passed the (subject)	SYMBOL (Referring to) Assumed Learning Learning Outcomes	Means of verification of learning outcomes*
W01	knows rules of prophylactic-therapeutic procedures in diseases of stomatognathic system in different phases of development.	K_F.W03	continuous assessment in practical classes: assessment
W02	knows symptoms, course and procedures for certain diseases of oral cavity, head and neck with regard to age groups.	K_F.W05	continuous assessment in practical classes: assessment
U01	is able to interview patient or his/her family.	K_F.U01	continuous assessment in practical classes: assessment
U02	is able to carry out physical examination of patient.	K_F.U02	continuous assessment in practical classes: assessment
U03	is able to find indications as to performance of certain dental procedure.	K_F.U07	continuous assessment in practical classes: assessment
U04	is able to perform prosthetic rehabilitation in simple cases in the field of clinical and laboratory proceduring.	K_F.U25	continuous assessment in practical classes: assessment
K01	Accepts the need for ethical standards;	K_K02	
K02	Understands the sense of responsibility for the entrusted property	K_K07	

Table presenting LEARNING OUTCOMES in relation to the form of classes

Item	SYMBOL (referring to) Assumed Learning Outcomes	Form of didactic classes							
		Lecture	Seminar	Practical classes	Clinical classes	Practice	other ...
1.	K_F.W03	X	X	X					
2.	K_F.W05	X							
3.	K_F.U01	X		X					
4.	K_F.U02	X	X	X					
5.	K_F.U07	X	X	X					
6.	K_F.U25	X	X	X					
7.	K_K02	X	X	X					
8.	K_K07	X	X	X					

No. of learning content	Description of learning content	Number of hours	References to learning outcomes for the module
	Lectures	10h	
TK 01	Examination of the patient. Features of a normal masticatory organ.	1h	W01, W02, U01,U02, K01, K02
TK 02	Preparation for prosthetic treatment.	1h	W02 U01; U02; U03; U04; K01; K02;
TK 03	Anodontia - analysis of the prosthetic field	1h	W01, W02, U01, U02, U03
TK 04	Determination of the spatial position of the mandible	1h	U04, K02
TK 05	Indications for partial dentures.	1h	W01, W02, K02
TK 06	Diagnosis and planning of treatment with fixed prostheses.	1h	W01, W02, U01,U02, U03, U04 K01, K02
TK 07	Root-crown inlays.	1h	W01, W02
TK 08	Prosthetic crowns.	1h	W01, W02
TK..09	Principles of prosthetic bridge design.	1h	W01, W02, K01, K02

TK..10	Corrections	1h	W01, W02
	Seminars:	10h	
TK 01	Basic and auxiliary materials used in dental prosthetics.	1h	U04, K01, K02
TK 02	Details of the topography of the prosthetic base. Changes occurring in the stomatognathic system due to loss of dentition. Impression trays, types of impressions, impression taking technique.	1h	W02, U04
TK 03	Technical laboratory equipment. Rules of cooperation between a doctor and a technician. Facial arches and articulators.	1h	K02
TK 04	Dental-prosthetic patient education.	1h	U01, U02, U03, U04
TK 05	Adaptation to prosthetic restorations, factors influencing the process of adaptation.	1h	W02
TK 06	Basic and auxiliary materials used in removable prosthetic restorations - repetition and completion of knowledge.	3h	U04, K01, K02
TK 07	Basic and auxiliary materials used in fixed prosthetic restorations - repetition and completion of knowledge.	2h	U04, K01, K02
	Practical classes	70h	
TK 01	Prosthetic crowns. Grinding of the tooth for a cast metal crown.		U03, K02
TK 02	Prosthetic crowns. Grinding of the tooth for cosmetic crown.		U03, K02
TK 03	Registration of the central occlusion with the facial arch.		W01, W02, K02
TK 04	Modelling of a metal crown.		U04, K02
TK 05	Prosthetic bridges. Grinding teeth for a bridge.		W01, W02, U04, K02
TK 06	Prosthetic bridges. Taking impressions, registration of the central occlusion with the facial arch.		W01, W02, U04, U03
TK 07	Crown-root inlays. Preparing the tooth for the inlay.		W01, W02, U04, U03
TK 08	Crown-root inlays. Modelling of inlays		W01, W02, U04, U03

TK 09	Crown-root inlays. Inspection, cementing of the insert. Demonstration of the laboratory stage with technicians: making the casting mould, melting the alloy and casting, errors of the casting process.		W01, W02, U04, U03
TK 10	Errors committed at clinical and laboratory stages of making fixed prostheses.. Casting of plaster models		W01, W02, U04, U03
TK 11	Complete dentures. Fabrication of an individual tray from shellac.		W01, W02, U04, U03, K02
TK 12	Complete dentures. Fabrication of an individual spoon from composite.		W01, W02, U04, U03, K02
TK 13	Complete dentures. Making occlusal patterns.		W01, W02, U04, U03, K02
TK 14	Complete dentures. Recording of the central occlusion with the facial arch.		W01, W02, U04, U03, K02
TK 15	Complete dentures. Teeth positioning		W01, W02, U04, U03, K02
TK 16	Complete dentures. Teeth positioning, cont.		W01, W02, U04, U03, K02
TK 17	Settling partial dentures. Making occlusal patterns.		W01, W02, U04, U03, K02
TK 18	Settling partial dentures. Recessing the clasp.		W01, W02, U04, U03, K02
TK 19	Settling partial dentures.Demonstration of canning and polymerisation of the prosthesis.		W01, W02, U04, U03, K02
TK 20	Errors committed at clinical and laboratory stages of making removable prostheses.		W01, W02, U04, U03, K02

Booklist:

Obligatory literature

1. Spiechowicz E. Protetyka stomatologiczna. PZWL, Warszawa 2013, wyd.6.
2. Majewski S. Współczesna protetyka stomatologiczna. Elsevier Urban & Partner, Wrocław 2014.
3. Majewski S, Pryliński M. Materiały i technologie współczesnej protetyki stomatologicznej, Wydawnictwo Czelej, Lublin 2013.
4. Mierzińska-Nastalska E.(red). Diagnostyka układu ruchowego narządu żucia, Med. Tour Press International 2016.

Supplementary literature

1. Majewski S. Protetyka stałych uzupełnień zębowych
2. Shilinburg H. Protezy stałe – zarys postępowania klinicznego i laboratoryjnego.
3. Dejak B. Kompendium wykonywania uzupełnień protetycznych.

Student's workload (balance of ECTS scores)			
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]		
	Tutor	Student	Mean
Contact hours with the tutor	80		
Time spent on preparation to seminars/ practical classes	30		
Time spent on reading recommended literature	10		
Time spent on writing report on Laboratory/practical classes/making project/paper etc.			
Time spent on preparing to colloquium/ entry test	10		
Time spent on preparing to exam	27		
Other			
Student's workload in total	147		
ECTS credits for the module/subject			
Notes			

* 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...