



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) valid from the academic year 2018/2019

General Information

Module title	Dental Prosthetics
Module type	Obligatory
Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine and Dentistry
Major	Not applicable
Level of study	long-cycle (S2J)
Mode of study	intramural
Year of studies, semester	4 year, VII semester and VIII semester
ECTS credits (incl. semester breakdown)	9 ECTS (VII semester - 4, VIII semester - 5)
	lectures – 15 h (sem. VII – 7h , sem.VIII – 8h) seminars - 15h (sem. VII – 8h, sem.VIII - 7h) classes - 140h (sem. VII - 70h, sem. VIII-70h)
Form of assessment	graded assessment
Head of the Department/ Clinic, Unit	dr hab.n.med. Ewa Sobolewska prof. PUM
Tutor responsible for the module	dr hab.n.med. Ewa Sobolewska prof. PUM, dr n. med. Anna Czajkowska, dr n. med. Bartosz Dalewski, dr n. med. Małgorzata Kozak, malgorzata.kozak@pum.edu.pl
Department's/ Clinic's/ Unit's website	www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny
Language	English

Detailed information

Module objectives		<p>The aim of teaching prosthodontics is to acquire the information of the characteristics of fixed and removable restorations based on material technologies and laboratory procedures. As part of practical classes, the student performs individual laboratory stages of fixed and removable prosthetic restorations and participates in demonstrations of certain laboratory stages (casting, flasking, polymerization).</p> <p>The aim of teaching is also to acquire theoretical knowledge and practical skills allowing for independent work and making decision about indications, planning and carrying out the prosthetic treatment in simple cases of missing teeth with the use of removable partial dentures and fixed restorations. Acquiring of the necessary theoretical knowledge, improvement of practical and manual skills.</p>
Prerequisite /essential requirements	Knowledge	Knowledge of anatomy and physiology of head and neck tissues.
	Skills	Knowledge of the principles for using dental units and equipment being in the equipment of clinical rooms, knowledge of using the equipment in technical laboratories.
	Competences	The habit of self-education, teamwork

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) ZEK	Method of verification of learning outcomes *
W01	knows Polish and English anatomical, histological and embryological terminology	K_F.W03	Continuous assessment in the classroom – seminars and practice; 100% attendance -absence during class must be worked out with different group
W02	explains development of organs and entire body with particular regard to masticatory system	K_F.W05	
W03	knows rehabilitation methods for stomatognathic system	K_F.W16	
W04	knows basic clinical procedures for reconstruction of tooth hard tissue, endodontic treatment and methods and laboratory procedures for prosthetic restorations	K_F.W28	
W05	knows mechanisms of degradation (corrosion) of dental biomaterials in oral cavity and influence thereof on biological properties of materials	K_F.W29	
U01	takes subjective needs and expectations of patients resulting from social and cultural conditions into consideration in therapeutic procedure	K_F.U01	
U02	recognizes symptoms of anti-health and self-destructive behavior and responds in an appropriate manner	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	Continuous assessment in the classroom – seminars and practice; 100% attendance -absence during class must be worked out with different group
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 cases of general and local complications during and after dental treatment	K_F.U11	
U09	keeps day-to-day patient's records, refers patient to general and special dental and medical examination or treatment	K_F.U13	
U10	establishes treatment in diseases of stomatognathic system tissues	K_F.U18	
U11	performs prosthetic rehabilitation in easy cases with regard to clinical and laboratory procedure	K_F.U25	
U12	designs prosthetic restorations and knows how to execute them in laboratory	K_C.U13	
K01	shows habit of self-education and lifelong education	K_K01	
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K03	
K03	understands sense of responsibility for entrusted property	K_K07	

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							
		Lecture	Seminar	Practical classes	Clinical classes	Other...
1.	K_F.W03		X	X	X				
2.	K_F.W05		X		X				
3	K_F.W05		X	X	X				
4	K_F.W14		X	X	X				
5	K_F.W16		X	X	X				
6	K_F.W28		X	X	X				
7	K_F.W29		X	X	X				
8	K_F.U01		X	X	X				
9	K_F.U02		X	X	X				
10	K_F.U03		X	X	X				
11	K_F.U04		X	X	X				
12	K_F.U06		X	X	X				
13	K_F.U07		X	X	X				
14	K_F.U08		X	X	X				
15	K_F.U09		X	X	X				
16	K_F.U011		X	X	X				
17	K_F.U013		X	X	X				
18	K_F.U014		X	X	X				
19	K_F.U015		X	X	X				
20	K_F.U018		X	X	X				
21	K_F.U025		X	X	X				
22	K_C.U011		X	X	X				
23	K_C.U013		X	X	X				
24	K_K.01		X	X	X				
25	K_K.02		X	X	X				
26	K_K.03			X	X				
26	K_K.07			X	X				

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
	IV YEAR		
	Lectures	15 hrs	
TK 01	Immediate and early dentures.	1 hrs	W01, W02, W03, W04, W05, U11, U12 K03
TK 02	Dental stomatopathies, possible soft-tissue reactions in denture-recipient sites.	1 hrs	W01, W02, W04, W05, U11
TK 03	Prosthetic rehabilitation after maxillofacial surgery. Post-op dentures, obturators, face prostheses.	1 hrs	W01, W02, W03, W04, W05 U11, ,U12, K03
TK 04	Dental ceramics. Crowns and veneers, inlays, onlays, overlays, dental bridges.	1 hrs	W01, W02, W03, W04, W05 U11, U1,2 K03
TK 05	Soft tissue retraction methods prior to impression taking.	1 hrs	W03, W04, W05
TK 06	Fixed Partial Dentures.	1 hrs	W01, W02, W03, W04, W05 U11, U12, K03
TK 07	Fixing prosthetic restorations, pros, cons and types of cements.	1 hrs	W03, W04, W05 U11, U12, K03
TK 08	Reconstruction of endodontically treated tooth - custom and standard root inlays, post-and-core procedures, glass posts.	1 hrs	W03, W04, W05 U11, U12 K03
TK 09	Perioprosthodontics – joint problems and management.	1 hrs	W01, W02, W04, W05 U01, U02, U03, U04, U07, U08
TK 10	Precise attachments in RPD treatment planning	1 hrs	W01, W02, W03, W04, W05 U11, U12, K03
TK 11	Dental implants.	1 hrs	W01, W02, W03, W04, W05 U11, U12, K03
TK 12	Prosthetic treatment in children and adolescents.	1 hrs	W01, W02, W03, W04, W05 U11, U12, K03
TK 13	Masticatory system and temporomandibular joint. Modern diagnostic methods.	1 hrs	W01, W02 U01, U02, U03, U04
TK 14	Traumatic occlusion syndrome. VDO and severe tooth wear, splints, cover-dentures.	1 hrs	W01, W02, W03, W04, W05 U11, U12 K03
TK 15	Most common failures and complications during prosthetic treatment.	1 hrs	W01, W02 U01, U02, U03, U04, U07, U08, U09

	Seminars	15 hrs	
TK 01	Patient examination. Characteristics of a masticatory system. Prosthetic treatment planning.	2 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
TK 02	Primary and secondary dental materials.	2 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
TK 03	Removable partial dentures	1,5 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
TK 04	Complete dentures. Topography of the bearing area. Clinical and laboratory sages.	2,5 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
TK 05	Dental ceramics. Crowns and veneers, inlays, onlays, overlays. General rules of dental ceramics cementation.	3 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
TK 06	Dental bridges.	2 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
TK 07	Repairing a prosthetic restoration: - reasons and types of damage of fixed and removable prosthetic restorations - methods of repairing fixed and removable prosthetic restorations - indications and methods of relining the denture.	1 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
TK 08	Iatrogenic factors associated with early and late failure of dental restorations. Most common complications during prosthetic treatment.	1 hrs	W01, W02, W03W04, W05, W06, U01, U02, U03, U04, U07, U08, U09, U10, U11, U12, U13 K01, K02, K03
	Practical classes	140 hrs	W01, W02, W03, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, K01, K02, K03

Booklist

Obligatory literature:

1. Rosenstiel SF, Land MF, Fujimoto J. "Contemporary Fixed Prosthodontics", 4th Edition, Mosby Elsevier, 2006
2. Powers J, Sakaguchi R. "Craig's Restorative Dental Materials" 12th Edition, Mosby Elsevier, 2006
3. Basker R, Davenport J. "Prosthetic Treatment of the Edentulous Patient" 4th Edition, Wiley-Blackwell, 2002
4. Carr AB, Brown "McCracken's removable partial prosthodontics" Mosby St.Louis, 2005

Supplementary literature:

1. Rahn A., Heartwell C."Textbook of complete dentures", 6th ed., 2009
 2. Marcia A Gladwin, Michael Bagby "
 3. Peter E. Dawson "Functional Occlusion From TMJ to Smile Design", Mosby Title 2007
 4. Major M Ash, Stanley J. Nelson "Wheeler's dental anatomy, physiology and occlusion" , 8th edition, Saunders 2003
 5. Misch C.E., "Dental Implant Prosthetics", Mosby 2005
 6. David Mostofsky, Albert Forgione, Donald Giddon "Behavioral Dentistry", Blackwell Publishing 2006
 7. Basker R.M., Davenport J.C: Prosthetic treatment of the edentulous patient, 4th ed., John Wiley & Sons, 2002
 8. Kenneth J. Anusavice, "Phillip's Science of Dental Materials", 11th edition, Saunders 2003
 9. Land & Fujimoto "Contemporary Fixed Prosthodontics", Rosenstiel, 4th Edition, Mosby Elsevier 2006
 10. McCord J.F., Grey N., "Treatment of Edentulous Patients", Churchill Livingstone, 2004
 11. Bartlett D., "Clinical Problem Solving in Prosthodontics", Churchill Livingstone 2004
 12. Shillingburg, Herbert T., Jr.: Fundamentals of Fixed Prosthodontics, 3rd edition Chicago: Quintessence Pub., c1997. ISBN: 086715201X
 13. McGivney, Glen P., Carr Alan B., Brown David T., McCracken's Removable Partial Prosthodontics, 11th ed.
 14. Craig), John M. Powers, John C. Wataha, "Dental Materials, Properties and Manipulation", 9th edition, Mosby 2007
 15. Bernard GN Smith "Planning and Making Crowns and Bridges", Martin Dunitz, 1998
 16. Okeson J., "Management of Temporomandibular Disorders and Occlusion, Mosby Elsevier 2008
 17. Zarb G.A., Bolender C.L., Eckert S., Jacob R., Mericske-Stern F, "Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported Prostheses", 12th edition, Mosby Co.
- Clinical Aspects of Dental Materials: Theory, Practice, and Cases" - Paperback (Mar. 1, 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	170	170	
Time spent on preparation to seminars/ practical classess	30		
Time spent on reading recommended literature	10		
Time spent on writing report/making project			
Time spent on preparing to colloquium/ entry test			
Time spent on preparing to exam	27		
Other			
Student's workload in total	237		
ECTS credits for the subject (in total)	9		
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 presentata

other...