



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) General Information

Module title:	Dental Prosthetics
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	4 year (VII semester and VIII semester)
ECTS credits (incl. semester breakdown)	8 (semester- VII-4, semestr VIII-4 )
Type/s of training	lectures – 13 h (sem. VII – 7h , sem.VIII -6h) seminars - 15h (sem. VII – 8h, sem.VIII - 7h) classes - 140h (sem. VII - 70h, sem. VIII - 70h)
Form of assessment	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input checked="" type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> <input type="checkbox"/> non-graded assessment  <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>
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Tutor responsible for the module	adiunkt dydaktyczny: dr hab. n. med. Halina Ey-Chmielewska solo@pum.edu.pl  tutor of the 4-th year dr n. med. Małgorzata Kozak, malgorzata.kozak@pum.edu.pl

**Detailed information**

<b>Module objectives</b>		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.
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

<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 basic clinical procedures for reconstruction of tooth hard tissue, endodontic treatment and methods and laboratory procedures for prosthetic restorations	K_C.W28	W, PM, K, ET
W02	knows mechanisms of degradation (corrosion) of dental biomaterials in oral cavity and influence thereof on biological properties of materials	K_CW29	W, PM, K, ET
U01	designs prosthetic restorations and knows how to execute them in laboratory	K_CU13	W, PM, K, ET
U02	performs prosthetic rehabilitation in easy cases	K_F.U25	W, PM, K, ET

	with regard to clinical and laboratory procedure		
K01	shows habit of self-education and lifelong education	K_K01	O
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	O
K03	can co-operate with team members and care about occupational safety	K. K03	O
K04	understands sense of responsibility for entrusted property	K_K07	O

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	K_CW28	X	X		X			
W02	K_CW29__	X	X		X			
U01	K_CU13				X			
U02	K_F.U25				X			
K01	K_K01				X			
K02	K_K02				X			
K03	K_K03				X			
K04	K_K07				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	Dental stomatopathies, possible soft-tissue reactions in denture-recipient sites.	1h	W01,W02
TK02	Dental ceramics. Crowns and veneers, inlays, onlays, overlays, dental bridges.	1h	W01,W02

TK03	Dental bridges - biomechanics and treatment planning	1h	W01,W02
TK04	Cementation procedure of fixed restoration	1h	W01,W02
TK05	Reconstruction of endodontically treated tooth – glass post procedures,	1h	W01,W02
TK06	Immediate and early dentures.	1h	W01,W02
TK07	Dental stomatopathies	1h	W01,W02
<b>Seminars</b>			
TK01	Patient examination. Characteristics of a masticatory system. Prosthetic treatment planning	2h	W01, W02
TK02	Primary and secondary dental materials.	2h	W01,W02
TK03	Removable partial dentures	1,5h	W01,W02
TK04	Complete dentures. Topography of the bearing area. Clinical and laboratory sages.	2,5h	W01,W02
<b>Practical classes</b>			
TK09	Clinical classes with patients	70h	W01,W02,U01,U02,K01,K02,K03,K04
<b>Summer semester</b>			
<b>Lectures</b>			
TK01	Prosthetic treatment of patients with periodontitis	1h	W01,W02
TK02	Precise attachments in RPD treatment planning	1h	W01,W02
TK03	Dental implants	1h	W01,W02
TK04	Prosthetic treatment of children and adolescents.	1h	W01,W02
TK05	Traumatic occlusion syndrome. VDO and severe tooth wear, splints, cover-dentures.	1h	W01,W02
TK06	Soft tissue retraction methods prior to impression taking.	1h	W01,W02

Seminars			
TK01	Dental ceramics. Crowns and veneers, inlays, onlays, overlays. General rules of dental ceramics cementation. Most common failures and complications during prosthetic treatment.	2h	W01,W02,
TK02	Dental Bridges	2h	W01,W02,
TK03	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.	2h	W01,W02
TK04	Iatrogenic factors associated with early and late failure of dental restorations. Most common complications during prosthetic treatment	1h	W01,W02
Practical classes			
TK01	Clinical classes with patients	70h	W01,W02,U01,U02. K01,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. Craig, John M. Powers, John C. Wataha, "Dental Materials, Properties and Manipulation", 9th edition, Mosby 2007**

**2. Shillingburg, Herbert T., Jr.: Fundamentals of Fixed Prosthodontics, 3rd edition Chicago: Quintessence Pub., c1997. ISBN: 086715201X**

**3. 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.**

**4. Okeson J., "Management of Temporomandibular Disorders and Occlusion, Mosby Elsevier 2008**

<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	168
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	10
Time spent on preparing to exam	27
Student's workload in total	245
<b>ECTS credits for the subject (in total)</b>	<b>8</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...