



# Pomeranian Medical University in Szczecin

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

### General Information

Module title	Rehabilitation
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	Year IV, semester I
ECTS credits (incl. semester breakdown)	1
Type/s of training	seminars (7h)/ practical (7h)
Form of assessment	- graded assessment
Head of the Department/ Clinic, Unit	Dr n. med. Danuta Lietz - Kijak
Tutor responsible for the module	Lek. dent. Elżbieta Kubala elzbieta.kubala@pum.edu.pl Lek. dent. Paulina Strzelecka pkstrzelecka@gmail.com
Department's/ Clinic's/ Unit's website	<a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-propedeutyki-i-fizykodiagnostyki-stomatologicznej">https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-propedeutyki-i-fizykodiagnostyki-stomatologicznej</a>
Language	English

### Detailed information

Module objectives		<b>The aim of teaching the subject is:</b> Obtaining knowledge about the causes and rules of conduct in the case of complications of stomatognathic system diseases
Prerequisite /essential requirements	Knowledge	1. <i>Knowledge of the structures of the human body: cells, tissues, organs and systems with particular emphasis on the stomatognathic system</i> 2. <i>Knowledge of the causes and rules of conduct in the case of complications of stomatognathic system diseases</i>
	Skills	<i>Ability to deal with general and local complications during dental procedures and after dental procedures</i>
	Competences	<i>Self-education habit</i> <i>Ability to work in a group, communication skills</i>

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 methods applied to medical rehabilitation and planning thereof methodology	K_E.W19	O
W02	knows symptoms, course and procedures for certain diseases of oral cavity , head and neck with regard to age groups	K_F.W05	O
W03	knows causes and procedures for management with complications of stomatognathic system diseases	K_F.W14	O, K
W04	Indicates devices used in physical therapy		O, K
U01	knows procedures applicable to cases of general and local complications during and after dental treatment	K_F.U11	O, K
U02	Is able to carry out diagnostics and to coordinate physical treatments in the process of treating complications or		O, K
U03	can handle devices for physiognathics and physical therapy in dentistry		O, K
K01	shows habit of self-education and lifelong education	K_K01	O
K02	shows respect to patient, social groups and cares for their goodwill and security	K_K05	O
K03	can make opinions on different aspects of professional activities	K_K10	O

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_E.W19	-	X	X	-	-	-	-	-
2.	K_F.W05	-	X	X	-	-	-	-	-
3.	K_F.W14	-	X	X	-	-	-	-	-
4.	K_F.U11	-	X	X	-	-	-	-	-
5.	K_K01	-	X	X	-	-	-	-	-
6.	K_K05	-	X	X	-	-	-	-	-
7.	K_K10	-	X	X	-	-	-	-	-

Module contents no.	Description of teaching programme	No. of hours	References to learning outcomes
<b>SEMINARS</b>			
TK.01	Introduction to issues: Physical medicine, Medical physics, Rehabilitation. Physiotherapy, Physiodiagnostics, Physiotherapy. Concepts: health, disability, disability, disability. Physical medicine departments, used in medicine and dentistry. Dental rehabilitation. Indications and contraindications for the use of physical therapy.	1	W01, W02, W03, W04, K01, K02, K03,
TK.02	Diagnosis of dental caries in deciduous and permanent teeth: DiagnoCAM, DiagnoDENT DiagnoDENT pen, Selection of the device and its operation	1	W02, K01, K02, K03
TK.03	Ozonotherapy in dentistry and medicine. Oxygen therapy. Prevention, treatment and cooperation with pharmacological treatment. Special application in selected dental specialties.	1	W01, W02, W04, K01, K02, K03
TK.04	Electrodiagnostics and electrotherapy in dentistry: Electrical pulp reactivity test, Electropotential study in the oral cavity, Test of viscosity and saliva extensibility, Electrical tests of superficial sensation - diagnosis of skin sensation of the face, lips, tongue, mucous membranes. Examination of root canals. Ionophoresis prophylactic and therapeutic, Kauter, electrocoagulation, electrotomy, electrophulurization. Ultrasounds and the possibilities of use in dentistry. The choice of camera and its service	1	W01, W02, W04, U01, K01, K02, K03
TK.05	Air abrasion as one of the forms of physical therapy used in dentistry. The choice of the camera and its operation. Effectiveness of treatments. Use in children, advantages and disadvantages of this procedure. Preventive options. Teeth sealing treatment. The difference in the effectiveness of traditional sealing and using abrasion.	1	W01, W02, W04, K01, K02, K03
TK.06	Physiotherapy with low frequency electromagnetic field - magnetostimulation. The difference between magnetotherapy and magnetostimulation. Preventive, curative and rehabilitation treatments. The effectiveness of permanent and field magnetostimulation treatments. Viofor JPS system. The choice of the camera and its operation	1	W01, W02, W04, U01, K01, K02, K03
TK.07	Diagnostics and light therapy used in dentistry: Pileroterapii, Ledoterapia, Magnetolaseroterapia, Magnetoledoterapia as one of the forms of combination therapy, synergism of physical factors. The choice of the camera and its operation.	1	W01, W02, W03, W04, U01, K01, K02, K03
<b>PRACTICE</b>			
TK.01	Practical application of air abrasion in prophylaxis and dental treatment.	1	U01, W04, U01, K01, K02, K03
TK.02	Diagnostics and laser therapy, diode. Division and methods of use in dentistry, and electrodiagnostics and practical electrotherapy in dentistry.	1	U01, W04, U02, U03, U06, K01, K02, K03
TK.03	Practical use of ozone therapy in dental complications. The choice of the camera and its operation.	1	W4, U3, U01, K01, K02, K03
TK.04	Cryotherapy in dentistry. Thermodiagnosics, thermography, thermometry. Thermal imaging camera. The choice of the camera and its operation.	1	U2, U3, U6, K01, K02, K03

TK.05	Diagnosis and therapy of functional disorders of the masticatory organ. Diagnostics of temporomandibular joint dysfunction. Diagnosis of SSZ dysfunction and possibilities of physical and physiotherapeutic treatment. Tensegracja and interdependence of posture defects in relation to stomatognathic system disorders. PNF, Manual therapy, Trigger point. PIR.	1	U01, U2, U3 , W4 , U6, K01, K02, K03
TK.06	Kinesiotaping and its methods of use in dentistry.	1	U01, U2, U3 , W4 U6, K01, K02, K03
TK.07	Clinical manifestation of dental complications and possibilities of elimination with physical methods. The ability to choose a method and evaluate its effectiveness in the process of rehabilitation. CREDIT	1	U01 , U2, U3 , W4, U6, K01, K02, K03

Booklist			
Obligatory literature:			
1. Robert Herbert , Gro Jamtvedt , Kare Birger Hagen, Judy Mead , Iain Chalmers: Practical Evidence-Based Physiotherapy – second edition. Elsevier Health Science			
Val Robertson , Alex Ward , John Low , Ann Reed: Electrotherapy Explained : Principles and Practice. Elsevier Health Science. 2006.			
Supplementary literature:			
1. Gibbons John: A Practical Guide to Kinesiology Taping. Lotus Publishing. 2014			
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	14		
Time spent on preparation to seminars/ practical classess	14		
Time spent on reading recommended literature	10		
Time spent on writing report/making project	0		
Time spent on preparing to colloquium/ entry test	5		
Time spent on preparing to exam	0		
Other .....			
Student's workload in total	43		
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...