



Pomorski Uniwersytet Medyczny w Szczecinie

SYLLABUS of the MODULE (SUBJECT)

General information

Module title: REHABILITATION	
Module type	Obligatory.
Faculty PMU	Medicine and Dentistry (WLS)
Major	Medicine and Dentistry (KLD)
Specialty	-
Level of study	long-cycle
Mode of study	full-time/part-time
Year of studies, semester e.g. Year 1, semester (I and II)	Year 4, semester II
ECTS credits (incl. semester breakdown)	1
Type/s of training	seminars - (7 h). practical classes – (7 h).
Form of assessment	graded assessment
Head of the Department/ Clinic, Unit	Dr n. med. Danuta Lietz - Kijak
Persons conducting classes with indication of a tutor or person responsible for the module	Dr n. med. Danuta Lietz – Kijak Dr n. med. Helena Gronwald Prof. dr hab. n. med. Krystyna Lisiecka – Opalko Mgr Łukasz Kopacz
Department's/Clinic's/Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/zaklad-propedeutyki-i-fizykodiagnostyki-stomatologicznej
Language	Polish/English

Detailed information

Module objectives		Teaching objectives of the subject is: Obtaining relevant knowledge
Prerequisite /essential requirements	Knowledge	1. Knowledge of the structures of the human organism: cells, tissues, organs and systems with particular emphasis on the stomatognathic system 2. Knowledge of the causes and principles of managing complications of diseases of the stomatognathic system
	Skills	Ability to deal with general and local complications during and after dental procedures
	Competences	Self-education habit Teamwork capability

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the module (subject) knows /is able to /can:	SYMBOL (referring Assumed Learning Outcomes	Means 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 equipment 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	Can perform diagnostics and prescribe physical procedures in the process of treatment of complications or dysfunctions of the masticatory organ		O, K
U03	Can operate physical diagnostics and physiotherapy equipment 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 in relation to the form of classes									
item	SYMBOL (Referring to) Assumed Learning Outcomes	Form of didactic classes							
		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					

No. of learning content	Description of learning content	Number of hours	References to learning outcomes for the module
	Seminars		
TK.01	Introduction to topics: Physical medicine, Medical physics, Rehabilitation. Physiotherapy, Physical diagnosis, Physical therapy. Concepts: health, disability, invalidity. Departments of physical medicine used in medicine and dentistry. Dental rehabilitation. Indications and contraindications for physical therapy.	1	W01, W02, W03, W04, K01, K02, K03,
TK.02	Diagnostics of caries disease of deciduous and permanent teeth: DiagnoCAM, DiagnoDENT DiagnoDENT pen, Apparatus selection and operation	1	W02, K01, K02, K03
TK.03	Ozone therapy in dentistry and medicine. Oxygen therapy. Prevention, treatment and interaction with pharmacological treatment. Specific application in selected dental specialties.	1	W01; W02; W04; K01; K02; K03;
TK.04	Electrodiagnostics and electrotherapy in dentistry: Test of dental pulp reactivity to electric current, Testing of electropotentials in the oral cavity, Testing of viscosity and extensibility of saliva, Electrical tests of superficial sensitivity - diagnostics of sensitivity of the face skin, lips, tongue, mucous membranes. Examination of root canals. Prophylactic and therapeutic iontophoresis, Kauter, electrocoagulation, electrotomy, electrofulguration. Ultrasound and possibilities of its use in dentistry. Apparatus selection and operation.	1	W01, W02, W04, U01, K01, K02, K03
TK.05	Air abrasion as one of the forms of physical therapy used in dentistry. Selection of apparatus	1	W01; W02; W04; K01; K02; K03;

	and its operation. Effectiveness of treatment. Application in children, advantages and disadvantages of this procedure. Prophylactic possibilities. Teeth sealing procedure. Difference in the effectiveness of traditional sealing and with the use of abrasion.		
TK.06	Physical therapy with low frequency electromagnetic field -magnetostimulation. Difference between magnetotherapy and magnetostimulation. Prophylactic, therapeutic and rehabilitation procedures. Effectiveness of permanent and alternating magnetic filed stimulation treatments. Viofor JPS system. Selection of apparatus and its operation.	1	W01, W02, W04, U01, K01, K02, K03
TK.07	Diagnostics and light therapy used in dentistry: Pilerotherapy, ledotherapy, magnetolaserotherapy, magnetoledotherapy as one of the forms of combined treatment, synergism of physical factors. Selection of apparatus and its operation.	1	W01, W02, W03, W04,U01, K01, K02, K03
	Practical classes		
TK.01	Practical application of air abrasion in prevention and dental treatment.	1	U01; W04; U01; K01; K02; K03;
TK.02	Diagnostics and laser and diode therapy. Division and uses in dentistry, and electrodiagnosis and practical electrotherapy in dentistry.	1	U01, W04 , U02, U03, U06, K01, K02, K03
TK.03	Practical use of ozone therapy in dental complications. Selection of apparatus and its operation.	1	W4; U3; U01; K01; K02; K03;
TK.04	Cryotherapy in dentistry. Thermodiagnosis, thermography, thermometry. Thermographic camera. Selection of apparatus and its operation.	1	U2; U3; U6; K01; K02; K03;
TK.05	Diagnostics and therapy of functional disorders of the masticatory organ. Diagnosis of temporomandibular joint dysfunctions. Diagnosis of TMJ dysfunctions and possibilities of physical and physiotherapeutic treatment. Tensegration and interdependence of postural defects in relation to disorders of the stomatognathic system. 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 their elimination by physical methods. Ability to choose a method and evaluate its effectiveness in rehabilitation process. ASSESSMENT	1	U01 , U2, U3 , W4, U6, K01, K02, K03

Booklist:
Obligatory literature
Ward A, Robertson V, Low J., Reed A. :Fizykoterapia. Aspekty kliniczne i biofizyczne. Elsevier Urban & Partner. 2009
Mika T.: Fizykoterapia, PZWL, 2001
Opalko K., Sieroń A. (red): Zmienne pola magnetyczne w stomatologii i okulistyce, wyd. Alfa Medica Press, 2009.
Supplementary literature:
Organa J., Opalko K.: Abrazja w stomatologii. Praktyczne kompendium. Wyd. Czelej. Wyd. I. Lublin.2013.
Sieroń A., Cieślak G.: Pola magnetyczne i światło w medycynie i fizjoterapii. Alfa Medica Press. Bielsko-Biała 2013, wyd.1.
Śliwiński Z., Krajczyk M.: Dynamiczne plastrowanie. Podręcznik. Kinesiology Taping. Markmed Rehabilitacja S.C. Wyd. I. Wrocław 2014.

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	14		
Time spent on preparation to seminars/ practical classes	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 module/subject	1		
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...