



Pomorski Uniwersytet Medyczny w Szczecinie

SYLLABUS of the MODULE (SUBJECT) General information

Module title:	Emergency and Disaster Medicine
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Not applicable
Level of study	long-cycle
Mode of study	full-time
Year of study / semester	year 1, semester 2
ECTS credits	2
Type/s of training (number of hours)	lectures – 4 hours e-learning lectures – 1 hour seminars – 10 hours Practice CSM – 10 hours
Form of assessment *	<input checked="" type="checkbox"/> graded assessment: <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	Prof. dr hab. Elżbieta Grochans
Tutor responsible for the module	Dr n. zdr. Grzegorz Wójcik grzegorz.wojcik@pum.edu.pl
Department's/ Clinic's/ Unit's website name and contact details	Katedra i Zakład Pielęgniarstwa WNoZ PUM w Szczecinie ul. Żołnierska 48, piętro 3, pokój 312 tel. 91-4800-910
Department's/ Clinic's/ Unit's website	http://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/zaklad-pielęgniarstwa
Language	Polish, English

*replace with X where applicable

Detailed information

Module objectives		-) Knowledge of organization scheme for rescue action and medical assistance for mass accidents/disaster. -) Knowledge of relevant procedures in selected disasters. -) Skill of medical examination of victims and procedures of on-site operation for mass accident/disaster.
Prerequisite /essential requirements	Knowledge	First Aid
	Skills	First Aid
	Competences	Habit of self-education

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)		Method of verification of learning outcomes*
W01	knows and understands the impact on the human organism of physical factors, chemical factors and biological factors as well as of avitaminosis and stress	E.W3		<input type="checkbox"/>
W02	knows and understands rules of organization applicable to disasters and failure, phases of rescue action and scope of giving aid	E.W9		<input type="checkbox"/>
W03	knows and understands causes and mechanisms of circulatory and respiratory arrest as well as the principles of resuscitation and post-resuscitation proceeding	E.W25		<input type="checkbox"/>
W04	knows and understands life-threatening states	E.W26		<input type="checkbox"/>
W05	knows and understands cases in which the patient should be referred to the hospital	E.W28		<input type="checkbox"/>
U01	is able to communicate with patients, assess and describe their somatic and mental state, apply the principles of professional communication	E.U2		<input type="checkbox"/>
U02	is able to collect patient history in a life and health-threatening situation with the application of SAMPLE scheme (S- Symptoms), A - Allergies, M- Medications, P - Past medical history, L - Last meal, E - Events prior to injury/illness	E.U8		<input type="checkbox"/>
U03	is able to identify life-threatening risk	E.U9		<input type="checkbox"/>
U04	is able to describe and recognize symptoms of shock and acute circulatory failure	E.U10		<input type="checkbox"/>
U05				<input type="checkbox"/>

K01	is ready to establish and maintain deep and respectful contact with the patient as well as to show understanding for ideological and cultural differences	K1		O				
K02	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K5		O				
K03	is ready to assume responsibility related to decisions taken as a part of professional activity, also in terms of own safety and the safety of others	K11		O				
Table presenting LEARNING OUTCOMES in relation to the form of classes								
No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Lab classes	Practical classes	Simulations CSM	e-learning	Other types
W01	E.W3	X	X					
W02	E.W9	X	X					
W03	E.W25		X			X		
U01	E.U26		X			X		
U02	E.U28		X			X		
U03	E.U2					X		
U04	E.U8					X		
U05	E.U8		X			X		
U06	E.U9		X			X		
U07	E.U10					X		
K1	K1					X		
K2	K5					X		
K3	K11					X		

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	Reference to learning outcomes
Summer semester			
	Lectures:	4	
TK01	Introduction to disaster medicine. Chemical and biological disasters.	2	W01,W02
TK02	Organization of state medical rescue and air ambulance service - HEMS. Management of construction and road disasters Film - construction disaster	2	W01,W02
	E – learnig	1	
TK03	Tactics of rescue and medical operations. Three levels of rescue competence.	1	W01,W02

	Organization of medical protection of disasters		
	Seminars:	10	
TK04	Kinds of accidents and disasters Planned and emergency evacuation Decontamination at the scene of an accident	2	W01,W02
TK05	Acute threats of external and internal origin	2	W03, W04, W05
TK06	Sudden cardiac arrest - BLS + ALS guidelines	2	W03, W04, W05
TK07	Psychological aspects of rescue operations. Video - Dirty Bomb	2	W01, W02
TK08	Analysis of selected mass events and disasters	2	W01, W02
	Simulations:	10	
TK09	Medical segregation at the scene of an accident	2	U01, U03, U04, K1, K3
TK10	BLS and AED of adults and children	2	W03, U03, U04, K1, K2, K3
TK11	ALS introduction and pharmacotherapy, ALS cardiac rhythm analysis, ECG interpretation in cardiac arrest	2	W03, U03, U04, K1, K2, K3
TK12	ABCDE examination, SAMPLE interview, rescue positions, emergency evacuation of casualties	2	W04, W05, U01, U02, U03, <u>K1, K2, K3</u>
TK13	Management of musculoskeletal injuries. Emergency and definitive methods of stopping bleeding and hemorrhage.	2	W05, U01, U02, U03, U04, K1, K2, K3
Booklist:			
Obligatory literature			
1. Emory'ego J, Alson Lee R: ITLS for Emergency Care Providers – 9th Edition 2022			
2. European Resuscitation Council Guidelines 2021 Chapter 4,5,6 and 8			
Recommended literature			
Gregory r. Ciottone Ciottone's Disaster Medicine, Elsevier VI 2023			
Student's workload			
Form of student's activity (in-class participation; activeness, produce a report, etc.)		Student's workload [h]	
		Tutor	
Contact hours with the tutor		20	
Time spent on preparation to practical classes		10	
Time spent on reading recommended literature		2	
Student's workload in total		34	
ECTS credits for the subject (in total)		1.5	

Remarks

*Sposoby weryfikacji efektów uczenia się:
S – sprawdzenie umiejętności praktycznych
O – ocena aktywności i postawy studenta