



Pomorski Uniwersytet Medyczny w Szczecinie

SYLLABUS of the MODULE (SUBJECT) General information

Module title:	Disaster Medicine / Medycyna katastrof
Module type	Obligatory
Faculty PMU	Faculty of Medicine
Major	Medicine
Level of study	long-cycle
Mode of study	full-time
Year of study / semester	year 1, semester 2
ECTS credits	1.5
Type/s of training (number of hours)	lecture – 4 hours e-learning lecture – 1 hour seminar – 5 hours practical classe at Simulation Center – 10 hours
Form of assessment *	☒ graded assessment: ☐ descriptive ☒ test ☒ practical ☐ 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/zakład - 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	Provide guidelines for cardiopulmonary resuscitation in newborns, children and adults;	F.W09	K
W02	Characterize the most common life-threatening conditions in children and adults and the principles of procedure in these conditions, especially in: 2) shock; 3) hemorrhages; 5) poisoning; 6) burns, hypo- and hyperthermia; 7) other acute conditions of: a) cardiovascular, b) respiratory,	F.W10	K, S
W03	Discuss the principles of operation of the integrated State Emergency Medical Services system;	F.W12	K
U01	Apply and change a sterile dressing;	E.U2	S, O
U02	Assess and manage a simple wound, including local anesthesia (superficial, infiltration), application and removal of surgical sutures, application and change of a sterile surgical dressing;	E.U3	S, O
U03	Immobilize the limb temporarily, including selecting the type of immobilization in typical clinical situations and checking the correct blood supply to the limb after applying the immobilizing dressing;	E.U6	S, O
U04	Immobilize the cervical and thoracolumbar spine after injury	F.U7	S, O
U05	Treat external bleeding;	F.U8	S, O
U06	Perform Basic Life Support (BLS) for newborns and children according to the European Resuscitation Council (ERC) guidelines;	F.U9	S, O
U07	Perform basic life support (BLS) in adults, including the use of an automated external defibrillator, in accordance with the ERC guidelines;	F.U11	S, O
K01	Establish and maintain a deep and respectful relationship with the patient, and show understanding for ideological and cultural differences;	K.1	O
K02	Be guided by the patient's best interests;	K.2	O
K03	Respect medical confidentiality and patient rights;	K.3	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	e-learning	Other types
W01	F.W9	X	X					
W02	F.W10	X					X	
W03	F.W12	X	X					
U01	F.U2					X		
U02	F.U3					X		
U03	F.U6					X		
U04	F.U7					X		
U05	F.U8					X		
U06	F.U9					X		
U07	F.U11					X		
K01	K.1					X		
K02	K.2					X		
K03	K.3					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 Single, multiplay and mass accident The evacuation of the population and hospital evacuation	2	W03
TK02	Tactics of rescue and medical operations. Radiation, biological and chemical threats. Organization of medical support for disasters	2	W01, W02, W03
	E – learnig	1	
TK03	Actions post nuclear disasters and “dirty bombs”	1	W03
	Seminars:	5	
TK01	EMS and HEMS in Poland Actions in road accidents/disasters Actions in building accidents/disasters.	2	W03
TK02	Three levels of rescue competence Decontamination Initial medical triage (S.T.A.R.T system and JUMP START).	1	W01, W03
TK03	Guidelines for cardiopulmonary resuscitation BLS + ALS	2	W01
	Simulations:	10	
TK01	Assessment of basic life functions DABC procedures The management in the injuries of the human musculoskeletal system	2	U01, U02, U03, U04, U05, K01, K02, K03
TK02	Medical examination of victims and Clinical condition The management in the direct and external life-threatening	2	U01,U02, U03, U04, U05, K01, K02, K03

	situations		
TK03	Rescue positions Medical evacuation and medical transport	2	U01,U02, U03, U04, U05, K01, K02, K03
TK04	Medical segregation – system START	2	U01,U02, U03, U04, U05, K01, K02, K03
TK05	BLS + AED adult and child Introduction to ALS	2	U06, U07, K01, K02, K03
Booklist:			
Obligatory literature			
1.Koenig and Schultz's Disaster Medicine: Comprehensive Principles and Practices 2nd Edition, 2016			
2. European Resuscitation Council Guidelines 2021 Chapter 4,5,6 and 8			
Recommended literature			
1. Emory'ego J, Alson Lee R: ITLS for Emergency Care Providers – 9th Edition			
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			

* Ways of assessment:

K – colloquium

S – practical skills assessment

O - assessment of student activity and attitude