



## Pomorski Uniwersytet Medyczny w Szczecinie

### SYLLABUS of the MODULE (SUBJECT) General information

<b>Module title:</b>	<b>Disaster Medicine</b>
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)	lectures – 4 hours e-learning lectures – 1 hour seminars – 5 hours practical in Simulation Center – 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	<a href="http://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/zaklad-pielęgniarstwa">http://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/zaklad - pielęgniarstwa</a>
Language	Polish, English

\*replace  with X where applicable

## Detailed information

<b>Module objectives</b>		-) 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 guidelines for cardiopulmonary resuscitation of newborns, children and adults;	F.W9	O
W02	knows and understands the the most common life-threatening conditions in children and adults and principles of management in these conditions, in particular: 1) sepsis; 2) shock; 3) hemorrhages; 4) water-electrolyte and acid-base disorders; 5) poisonings; 6) burns, hypo- and hyperthermia; 7) other acute conditions of: a) cardiovascular, b) respiratory, c) neurological, d) renal, e) oncological and hematological, f) diabetic and endocrinological, g) psychiatric, h) ophthalmological, i) laryngological, j ) gynecology, obstetrics and urology;	F.W10	S
W03	knows and understands the principles of operation of the integrated State Emergency Medical System;	F.W12	O
U01	can apply and change a sterile dressing;	F.U2	O
U02	can assess and treat a simple wound, including local anesthesia (superficial, infiltration), applying and removing surgical sutures, applying and changing a sterile surgical dressing;	F.U3	S
U03	can temporarily immobilize the limb, including selecting the type of immobilization in typical clinical situations and checking the proper blood supply to the limb after applying the immobilization dressing;	F.U6	S
U04	can immobilize the cervical and thoracolumbar spine after injury;	F.U7	O
U05	can deal with external bleeding;	F.U8	S
U06	can conduct basic life support (BLS) in newborns and children in accordance with the guidelines of the European Resuscitation Council (ERC);	F.U9	S
U07	is able to perform BLS basic life support in adults, including using an automatic external defibrillator, in accordance with ERC guidelines;	F.U11	S
K01	is ready for establishing and maintaining deep and respectful contact with the patient, as well as showing undrrstanding for ideological and cultural differences;	K1	S

K02	can be guided by the patient's best interest;		K2	S				
K03	is ready to respect medical confidentiality and patient's rights;		K3	S				
<b>Table presenting LEARNING OUTCOMES in relation to the form of classes</b>								
No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	practical in Simulation Center	Practical classes	Simulations	e-learning	Other types
W01	F.W9		X					
W02	F.W10			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	X				
U07	F.U11			X				
K1	K1			X				
K2	K2			X				
K3	K3			X				

<b>Table presenting TEACHING PROGRAMME</b>			
No. of a teaching programme	Teaching programme	No. of hours	Reference to learning outcomes
<b>Summer semester</b>			
	<b>Lectures:</b>	<b>4</b>	
TK01	Introduction to disaster medicine Single, multiplay and mass accident The evacuation of the population and hospital evacuation	2	W03
TK02	Stages and organization scheme of a rescue operations The basic principles of crisis management and the restrictions of human rights. Co-operation among rescue services The psychological aspects of the rescue action The search and rescue actions	2	W03
	<b>E – learnig</b>	<b>1</b>	
TK03	Actions post nuclear disasters and “dirty bombs”	1	W03
	<b>Seminars:</b>	<b>5</b>	
TK04	EMS and HEMS in Poland Actions in road accidents/disasters Actions in building accidents/disasters.	2	W03

TK05	Actions in chemical accidents/disasters. Actions post biological attack. Mass decontamination	2	W03
TK06	Medical segregation (Triage). System START	1	W01
	<b>practical in Simulation Center:</b>	<b>10</b>	
TK07	Assessment of basic life functions DABC procedures The management in the injuries of the human musculoskeletal system	2	W02, U01, U02, U03, U04, U05, K1, K2, K3
TK08	Medical examination of victims and Clinical condition The management in the direct and external life-threatening situations	2	W02, U01, U02, U03, U04, U05, K1, K2, K3
TK09	Rescue positions Medical evacuation and medical transport	2	U01, U02, U03, U04, U05, K1, K2, K3
TK10	Medical segregation – system START	2	U01, U02, U03, U04, U05, K1, K2, K3
TK11	BLS + AED adult and child Introduction to ALS	2	W01, U06, U07, K1, K2, K3
<b>Booklist:</b>			
<b>Obligatory literature</b>			
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			
<b>Recommended literature</b>			
Gregory r. Ciottone Ciottone's Disaster Medicine, Elsevier VI 2023			
<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		20	
Time spent on preparation to practical classes		10	
Time spent on reading recommended literature		2	
Student's workload in total		34	
<b>ECTS credits for the subject (in total)</b>		<b>1,5</b>	
<b>Remarks</b>			

\* Methods of assessment:

S – practical skills assessment

O – student's active participation and attitude assessment