



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) General Information

<b>Module title:</b>	<b>Emergency and Disaster Medicine</b>
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	year 1, semestr 2
ECTS credits	2
Type/s of training	e-learning (5h)/ seminars (10h)/ practical classes in CSM (10h)
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	Katedra i Zakład Pielęgniarstwa Żołnierska 48 71-210 Szczecin, ul. Żołnierska 48, 3 <sup>rd</sup> floor, room 312, tel. 91-4800-910 <a href="https://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/zaklad-pielęgniarstwa">https://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/zaklad-pielęgniarstwa</a>
Language	Polish, English

### Detailed information

Module objectives		<p>-) Knowledge of organization scheme for rescue action and medical assistance for mass accidents/disaster.</p> <p>-) Knowledge of relevant procedures in selected disasters.</p> <p>-) Skill of medical examination of victims and procedures of on-site operation for mass accident/disaster.</p>
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	the impact on the human organism of physical factors, chemical factors and biological factors as well as of avitaminosis and stress	E.W3	ZT, O
W02	rules of organization applicable to disasters and failure, phases of rescue action and scope of giving aid	E.W9	ZT, O
W03	causes and mechanisms of circulatory and respiratory arrest as well as the principles of resuscitation and post-resuscitation proceeding	E.W25	ZT, O
W04	life-threatening states	E.W26	ZT, O
W05	cases in which the patient should be referred to the hospita	E.W28	ZT, O
U01	to communicate with patients, assess and describe their somatic and mental state, apply the principles of professional communication	E.U2	ZT, S, O
U02	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	ZT, S, O
U03	identify life-threatening risk	E.U9	ZT, S, O
U04	describe and recognize symptoms of shock and acute circulatory failure	E.U10	ZT, S, O
K01	establish and maintain deep and respectful contact with the patient as well as to show understanding for ideological and cultural differences	K.1.	O
K02	notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	O
K03	assume responsibility related to decisions taken as a part of professional activity, also in terms of	K.11.	O

	own safety and the safety of others		
--	-------------------------------------	--	--

Table presenting LEARNING OUTCOMES in relation to the form of classes								
No. of learning outcome	Learning outcomes	Types of training						
		e-learning	Seminar	Practical classes in CSM	Clinical classes			
W01	E.W3	X	X					
W02	E.W9	X	X					
W03	E.W25		X					
W04	E.W26		X					
W05	E.W28		X					
U01	E.U2			X				
U02	E.U8			X				
U03	E.U9		X	X				
U04	E.U10		X	X				
K1	K1			X				
K2	K5			X				
K3	K11			X				

<b>Table presenting TEACHING PROGRAMME</b>			
<b>No. of a teaching programme</b>	<b>Teaching programme</b>	<b>No. of hours</b>	<b>References to learning outcomes</b>
<b>Summer semester</b>			
	<b>E-learning</b>	<b>5</b>	
TK.01	Introduction to Disaster Medicine. Chemical and Biological Disasters.	2	W01,W02
TK.01	Organization of PRM and LPR. Procedures in construction and road disasters Movie - construction disaster	2	W01; W02; W03; W04
TK.03	Tactics of medical rescue operations. Three levels of rescue competence. Organization of medical support in disasters	1	W01;W02; W03; W04
	<b>Seminars:</b>	<b>10</b>	
TK.01	Types of Accidents and Disasters Evacuation On-Scene Decontamination	2	W01, W02,
TK.02	Acute threats of external and internal origin	2	W03, W04, W05
TK.03	Sudden Cardiac Arrest – BLS + ALS Guidelines	2	W03, W04, W05
TK.04	Psychological aspects of rescue operation. Movie – Dirty bomb	2	W01, W02
TK.05	Analysis of mass incidents and disasters	2	W01, W02
	<b>Practical classes in CSM</b>	<b>10</b>	
TK.01	Medical triage at the scene	2	U01, U03, U04, K1, K3
TK.02	Adult and pediatric BLS and AED	2	U03, U04, K1, K2, K3
TK.03	ALS introduction and pharmacotherapy, ALS- heart rhythm analysis, ECG interpretation in cardiac	2	U03, U04, K1, K2, K3
TK.04	ABCDE examination, SAMPLE interview, rescue positions, emergency evacuation of the injured	2	U01, U02, U03, K1, K2, K3
TK.05	Management of injuries of the movement. Emergency and final methods of stopping bleeding	2	U01, U02, U03, U04, K1, K2, K3

<b>Booklist</b>
<b>Obligatory literature:</b>
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
<b>Recommended literature:</b>
1. Emory'ego J, Alson Lee R: ITLS for Emergency Care Providers – 9th Edition

<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 tutors	25
Time spent on preparation to seminars/ practical classess	10
Time spent on reading recommended literature	10
Time spent on preparing to colloqium/ entry test	5
Student's workload in total	50
<b>ECTS credits for the subject (in total)</b>	<b>2</b>
<b>Remarks</b>	

\* Selected examples of methods of assessment:

ZT – test assessment

S – practical skills assessment

O – assessment of student activity and attitude