



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2017/2018

General Information

Module title	Emergency and Disaster Medicine
Module type	Obligatory
Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine and Dentistry
Major	Not applicable
Level of study	long-cycle (S2J)
Mode of study	intramural
Year of studies, semester	Year II, semestr III
ECTS credits (incl. semester breakdown)	2
Type/s of training	seminars (10h)/ practical (20)
Form of assessment	<p>- graded assessment: *</p> <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <p>X - non-graded assessment *</p> <p>- final examination: *</p> <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	dr hab. n. med. prof. PUM Marek Myślak
Tutor responsible for the module	Dr n. zdr. Grzegorz Wójcik grzegorz.wojcik@pum.edu.pl
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/samodzielna-pracownia-medycyny-katastrof
Language	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			
Number of learning outcome	Student, who has passed the (subject) Knows /is able to /can:	SYMBOL (referring the standards) ZEK	Method of verification of learning outcomes
W01	Presents organization scheme and functioning of Polish State Emergency Medical Service	K_G.W07	test
W02	Presents organization scheme and functioning of HEMS (LPR)	K_G.W07	test
W03	The student knows the principles and the functioning of the National Emergency and Fire-Fighting System.	K_E.W05	test
W04	Enumerates specific features of procedures to be applied in different kinds of accidents	K_E.W05	test
W05	Knows the rescue competence ranges	K_E.W05	test
W06	Describes the stages of rescue action, as well as secondary effects of disaster	K_E.W05	test
W07	Describes separate procedures for road, building, chemical, biological and nuclear disasters	K_E.W05	test
W08	Explains idea of terrorism and weapons of mass destruction	K_E.W05	test
W09	The student can discuss crisis management and human rights' restrictions in emergency situations	K_E.W05	test
W10	The student can discuss imminent life threat situations of external and internal origin	K_E.W18	test

U01	The student is able to provide a rescue examination of the victims and use clinical judgement.	K_E.U02	S
U02	The student is able to treat wounds with a bandage	K_E.U08	S
U03	The student can stop the bleeding and haemorrhage	K_E.U08	S
U04	The student is able to stabilise broken bones and damaged joints	K_E.U08	S
U05	Puts causality in a rescue position depending on bodily injury	K_E.U08	S
U06	Conducts medical segregation (triage)	K_E.U08	S
U07	Evacuate victims to point of medical aid	K_E.U08	S
U08	The student can resuscitate adults with the use of appliances and	K_E.U08	S
U09	The student is able to resuscitate children of different ages	K_E.U08	S
U10	The student can work out a rescue plan	K_E.U08	P
K01	The student has a habit of self-development	K_K01	Test, P
K02	Co-operates with other team members	K_K03	Supervision

Table presenting learning outcomes of the subject/module in relation to the form of classes

No.	SYMBOL (referring the standards) ZEK	Types of training						
		Lecture	Seminar	Practical classes	Clinical classes			
1	K_G.W07		X					
2	K_E.W05		X	X				
3	K_E.W18		X	X				
4	K_E.U08			X				
5	K_K01		X					
6	K_K03		X	X				

Module (subject) contents no.	Description of teaching programme	No. of hours	References to learning outcomes
	Seminar:	10	
TK.01	Introduction to disaster medicine	1	W04,05,06
TK.02	Stages and organization scheme of a rescue action	1	W01,02,04,07
TK.03	Co-operation among rescue services	1	W03
TK.04	The psychological aspects of the rescue action	1	W06
TK.05	The basic principles of crisis management and the restrictions of human rights. The evacuation of the population	1	W09
TK.06	Actions in road accidents/disasters	1	W06,07,08
TK.07	Actions in building accidents/disasters. The search and rescue actions	1	W07
TK.08	Actions in chemical accidents/disasters. Actions post nuclear disasters	1	W07,08
TK.09	Actions post biological attack. The epidemiological threats in the scene of disaster.	1	W06,07,08
TK.10	Mass decontamination	1	W08
	Practical classes:	20	
TK.1	CPR adult and children	4	U08,09,K02
TK.2	Medical examination of victims and Clinical condition	2	U01,K02
TK.3	The management in the injuries of the human musculoskeletal system	2	U02,03,04
TK.4	The management in the direct and external life-threatening situations	2	W10,U05
TK.5	The management in the direct and internal life-threatening situations	2	W10,U05
TK.6	Medical segregation (Triage)	2	U06
TK.7	Medical evacuation and medical transport	2	U07,K02
TK.8	The formulation of a rescue plan	2	U10,K01,02
TK.9	Test	2	W01-9,U1-10, K1-2

Booklist			
Obligatory literature:			
1. Ciottone G. Disaster Medicine, 1st ed. 2006 Mosby, An Imprint of Elsevier			
2. Hogan D, Burstein L. Disaster Medicine 2002			
Supplementary literature:			
Student's workload (balance sheet of ECTS credits)			
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]		
	Tutor	Student	Average
Contact hours with the tutors	30		
Time spent on preparation to seminars/ practical classes	5		
Time spent on reading recommended literature	2		
Time spent on writing report/making project			
Time spent on preparing to colloquium/ entry test			
Time spent on preparing to exam			
Other			
Student's workload in total	37		
ECTS credits for the subject (in total)			
Remarks			

* 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...