



Pomorski Uniwersytet Medyczny w Szczecinie

SYLLABUS of the MODULE (SUBJECT)

General information

Module title: EMERGENCY MEDICINE	
Module type	Obligatory
Faculty PMU	Medical and Dentistry
Major	Medical and Dentistry
Specialty	n.a.
Level of study	Long-cycle X* first-cycle <input type="checkbox"/> second-cycle <input type="checkbox"/>
Mode of study	full-time/part-time
Year of studies, semester	Year 5, semester 10
ECTS credits (incl. semester breakdown and exam)	1
Type/s of training	Lectures - (5h) Practical classes (10h)
Form of assessment	- graded assessment
Tutor responsible for the module/subject	Dr hab. n. med. Cezary Pakulski; cluw@pum.edu.pl
Persons conducting classes	mgr Katarzyna Taczala, dr n. zdr Maciej Denisiuk, dr hab. n.med. Cezary Pakulski, mgr Kamila Pawłowicz, mgr Paulina Bielska
Department's/Clinic's/Unit's website	http://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/oddzial-kliniczny-anestezjologii,-intensywnej-terapii-i-medycyny-ratunkowej
Language	Polish/English

Detailed information

Module objectives		<p>Summary of knowledge from the module MEDICAL FIRST AID.</p> <p>The course prepares the student to undertake independent assessment of the patient's health condition, recognise emergencies with particular emphasis on anaphylactic shock and cardiac arrest, and implement actions adequate to the patient's condition, including performing instrumental cardiopulmonary resuscitation with the use of AED and basic drugs.</p> <p>Acquaint students with the principles of management in an event with a large number of injured persons, including medical segregation.</p>
Prerequisite /essential requirements	Knowledge	The scope of the module MEDICAL FIRST AID
	Skills	The scope of the module MEDICAL FIRST AID, group work
	Competences	Self-education habit

Description of the learning outcomes for the subject /module			
item	Student, who has passed the (subject):	SYMBOL (Referring to) ZEK	Method of verification of learning outcomes (Form of assessment)
W01	Knows the scope of the module MEDICAL FIRST AID.	K_E.W17 K_E.W18	K
W02	Understands the causes and symptoms of cardiac and respiratory arrest and the principles of instrumental cardiopulmonary resuscitation in an adult, child and infant using an AED and basic resuscitation drugs including	K_E.W17	K
W03	knows the principles of proceeding in selected emergencies of internal origin in a patient with preserved vital functions, with particular emphasis on anaphylactic shock.	K_E.W18	K
W04	knows the principles of action in an event with a large number of injured persons, including carrying out medical segregation.	K_E.W05	K
U01	Uses skills from the scope of the subject MEDICAL FIRST AID.	K_E.U08 K_D.U06	S
U02	Can recognize a state of cardiac arrest and perform instrumental cardiopulmonary resuscitation on adult, child and infant phantoms using AED and basic resuscitation	K_E.U08	S

	drugs.		
U03	is able to administer 100% oxygen therapy by passive method using an oxygen mask with a reservoir and active method using a self-expanding bag with basic techniques of airway management.	K_E.U20	S
U04	Can operate AED and perform safe, semi-automatic external defibrillation on adult, child and infant phantoms.	K_E.U08	S
U05	Can dose, prepare and administer basic resuscitation drugs by intravenous route.	K_E.U20	S
U06	Can implement medical treatment in a patient with preserved vital functions, appropriate to his/her condition, with particular emphasis on anaphylactic shock.	K_E.U08	S
U07	Describes and recognises symptoms of shock and acute circulatory failure.	K_E.U09	
U08	Is able to perform medical segregation.	K_E.U08	S
K01	Able to establish and maintain contact with the patient.	K_K08	O
K02	It is guided by the welfare of the patient.	K_K05	O
K03	Understands the necessity of continuous education.	K_K01	O

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	SYMBOL (Referring to) ZEK	Form of didactic classes	
		Lecture	Practical classes
W01	K_E.W17 K_E.W18	X	X
W02	K_E.W17	X	X
W03	K_E.W18	X	X
W04	K_E.W05	X	X
U01	K_E.U08 K_D.U06		X
U02	K_E.U08		X
U03	K_E.U20		X
U04	K_E.U08		X
U05	K_E.U20		X
U06	K_E.U08		X
U07	K_E.U09		X
U08	K_E.U08		X
K01	K_K08	X	X
K02	K_K05	X	X
K03	K_K01	X	X

No. of learning content	Description of learning content	Number of hours	References to learning outcomes for the module
TK01	Assessment of a patient in a medical emergency - summary of knowledge in the subject of MEDICAL FIRST AID.	3	W01; K03
	Lecture:	1	W01; K03
	Practical classes	2	U01
TK02	Conducting instrumented cardiopulmonary resuscitation with an AED and basic resuscitation drugs. Oxygen therapy with 100% oxygen using basic methods of airway restorations.	7	W02; U02; U03; U04; U05; K02; K03
	Lecture:	2	W02; K02; K03
	Practical classes	5	U02; U03; U04; U05
TK03	Principles of management in selected health emergencies in a patient with preserved vital functions in a state of shock with particular emphasis on anaphylactic shock.	3	W03; U06; K01; K02; K03
	Lecture:	1	W03; K01; K02; K03
	Practical classes	2	U06; U07; K01; K02
TK04	An incident with a large number of injured people. Organization of rescue action on the scene. Medical segregation in the scheme of START and JumpSTART.	2	W04; U08; K01; K03
	Lecture:	1	W04; K01; K03
	Practical classes	1	U08; K01

References and learning aids	
1. Wytuczne resuscytacji 2015, Wydawnictwo Polskiej Rady Resuscytacji, Kraków 2016, ISBN 978-83-89610-28-7	
2. Pierwsza pomoc i resuscytacja krążeniowo-oddechowa, wydanie III, Polska Rada Resuscytacji, Kraków 2011, ISBN 978-83-89610-12-6	
Student's workload (balance of ECTS scores) according to	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
1. Contact hours with the tutor	15
2. Students' own work time (self-study):	8
Student's workload in total	23
ECTS credits for the module/subject	1
Notes	

Means of verification of learning outcomes:

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