



# Pomorski Uniwersytet Medyczny w Szczecinie

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

Module title: EMERGENCY MEDICINE	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Medical and Dentistry
Specialty	n.a.
Level of study	long-cycle
Mode of study	full-time/part-time
Year of studies, semester	Year V , semester II
ECTS credits (incl. semester breakdown)	1
Type/s of training (Number of hours)	lectures/seminars/simulated practical classes
Form of assessment <sup>1</sup>	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input checked="" type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> <input type="checkbox"/> non-graded assessment <ul style="list-style-type: none"> <li><input type="checkbox"/> final examination: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> </li> </ul>
Head of the Department /Clinic, Unit	Dr hab. n. med. Cezary Pakulski
Tutor responsible for the module	mgr Katarzyna Taczała e-mail – katarzyna.zakrzewska@pum.edu.pl
Name and contact data of the unit	Department of Anaesthesiology, Intensive Care and Emergency Medicine; Phone no.: 91,425 035 ; e-mail: cluw@pum.edu.pl
Department's/ Clinic's/ Unit's website	<a href="http://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/oddzial-kliniczny-anestezjologii,-intensywnej-terapii-i-medycyny-ratunkowej">http://www.pum.edu.pl/wydzialy/wydzial-nauk-o-zdrowiu/oddzial-kliniczny-anestezjologii,-intensywnej-terapii-i-medycyny-ratunkowej</a>
Language	Polish/English

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<sup>1</sup> where applicable, replace  into

### Detailed information

Module objectives		<p><i>Summary of knowledge from the module MEDICAL FIRST AID.</i></p> <p><i>Preparing the student to undertake independent assessment of the patient's state of health, recognition of health emergencies with particular emphasis on anaphylactic shock and cardiac arrest, and implementation of actions appropriate to the patient's condition, including performing instrumental cardiopulmonary resuscitation with the use of AED and basic resuscitation drugs.</i></p> <p><i>Acquaint students with the principles of management in an event with a large number of injured persons, including medical segregation.</i></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			
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	<i>Knows the scope of the module MEDICAL FIRST AID.</i>	K_E.W17 K_E.W18	K
W02	<i>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</i>	K_E.W17	K
W03	<i>knows the principles of management in selected emergencies of internal origin in a patient with preserved vital functions, with particular emphasis on anaphylactic shock.</i>	K_E.W18	K
W04	<i>knows the principles of action in an event with a large number of injured persons, including carrying out medical segregation.</i>	K_E.W05	K
U01	<i>Uses skills from the scope of the subject MEDICAL FIRST AID.</i>	K_E.U08	S
U02	<i>Can recognize a state of cardiac arrest and perform instrumental cardiopulmonary resuscitation on adult, child and infant phantoms using AED and basic resuscitation drugs.</i>	K_E.U08	S
U03	<i>Be able to administer 100% oxygen therapy by passive method using an</i>	K_E.U20	S

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

**Table presenting LEARNING OUTCOMES in relation to the form of classes**

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other forms
W01	K_E.W17	X						
W02	K_E.W17	X						
W03	K_E.W18	X						
W04	K_E.W05	X						
U01	K_E.U08					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		

**Table presenting TEACHING PROGRAMME**

No. of a teaching programme	Teaching programme	Number of hours	References to learning outcomes
<b>Summer semester</b>			

<b>Lectures</b>			
TK01	<i>Assessment of a patient in a medical emergency - summary of knowledge in the subject of MEDICAL FIRST AID.</i>	1	W01; K03
TK02	<i>Conducting instrumented cardiopulmonary resuscitation with an AED and basic resuscitation drugs. Oxygen therapy with 100% oxygen using basic methods of airway restorations.</i>	2	W02; K02; K03
TK03	<i>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.</i>	1	W03; K01; K02; K03
TK04	<i>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.</i>	1	W04; K01; K03
<b>Simulation</b>			
TK01	<i>Assessment of a patient in a state of health emergency - summary of knowledge from the subject MEDICAL FIRST AID.</i>	2	U01
TK02	<i>Conducting instrumented cardiopulmonary resuscitation with an AED and basic resuscitation drugs. Oxygen therapy with 100% oxygen using basic methods of airway restorations.</i>	5	U02; U03; U04; U05
TK03	<i>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.</i>	2	U06; U07; K01; K02
TK04	<i>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.</i>	1	U08; K01

**Booklist:**

Obligatory literature:

1. *Wytyczne resuscytacji 2015, Wydawnictwo Polskiej Rady Resuscytacji, Kraków 2016, ISBN 978-83-89610-28-7*

Supplementary literature:

1. *Pierwsza pomoc i resuscytacja krążeniowo-oddechowa, wydanie III, Polska Rada Resuscytacji, Kraków 2011, ISBN 978-83-89610-12-6*

<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	15
Time spent on preparation to seminars/ practical classess	2
Time spent on reading recommended literature	3
Time spent on writing report/making project	-
Time spent on preparing to colloquium/ entry test	3
Time spent on preparing to exam	-
Other .....	-
Student's workload in total	23
ECTS credits for the course (in total)	1

<b>Remarks</b>

\* 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...