



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2017/2018

### General Information

Module title	<i>np. Anatomy</i>
Module type	<i>Obligatory</i>
Faculty	<i>Faculty of Medicine</i>
Field of study	<i>Medicine</i>
Major	<i>Not applicable</i>
Level of study	<i>long-cycle (S2J)</i>
Mode of study	<i>intramural</i>
Year of studies, semester	<i>Year V, block system</i>
ECTS credits (incl. semester breakdown)	<i>2</i>
Type/s of training	<i>seminars (10h), practical (10h)</i>
Form of assessment	<i>- graded assessment: *</i> <input type="checkbox"/> <i>descriptive</i> <input type="checkbox"/> <i>test</i> <input type="checkbox"/> <i>practical</i> <input type="checkbox"/> <i>oral</i>  <input type="checkbox"/> <i>non-graded assessment *</i>  <i>- final examination: *</i> <input type="checkbox"/> <i>descriptive</i> <input checked="" type="checkbox"/> <i>test</i> <input type="checkbox"/> <i>practical</i> <input type="checkbox"/> <i>oral</i>
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Tutor responsible for the module	dr n. med. Beata Wudarska, lek.med. Joanna Łazęcka 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	English

## Detailed information

Module objectives			
Prerequisite /essential requirements	Knowledge	performs basic resuscitation procedures with the help of automatic defibrillator and other rescue operations and provides first aid	
	Skills	standard resting electrocardiogram c/w interpretation, electrical cardioversion and defibrillation	
	Competences	Demonstrates the awareness for self-education> recognizes concept and need for responsibility for property he/she has been entrusted with.	
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) ZEK	Method of verification of learning outcomes *
W01	knows the role of stress in etiopathogenesis and course of disease, recognizes the mechanisms and ways to cope with these	K_D.W10	The credits are issued after completing the course and passing the single choice test at a level of 70%. First term will be in summer examination session. For those who failed the test is available in re-take examination session.
W02	knows rules of treatment of pain, incl. chronic and cancer-related pain	K_E.W29	
W03	knows and understands possibilities and limitations of laboratory examinations in emergency situations	K_E.W39	
W04	lists indications for implementation of monitored therapy	K_E.W40	
W05	knows and understands causes, symptoms, diagnosis and therapeutic procedures with regard to most frequent surgical diseases that require surgical intervention, taking into consideration differences of childhood, in particular: a) acute and chronic diseases of the abdominal cavity b) diseases of the chest c) diseases of the limbs and head bone fractures and injuries to organs	K_F.W1	
W06			
W07			
W08	know the rules		
U01	selects drugs in proper dosages to correct pathological phenomena in organisms and particular organs	K_C.U14	
U02	communicates with colleagues giving constructive feedback and support	K_D.U11	
U03	takes history interview of adult patient	K_E.U1	
U04	carries out complete and guided physical examination of adult patient	K_E.U3	

U05	evaluates general state, state of patient's consciousness and awareness	K_E.U7	
U06	recognizes states representing direct threat to life	K_E.U14	
U07	plans diagnostics, therapeutic and preventive procedures	K_E.U16	
U08	performs basic procedures and operations, incl.: a) body temperature measurement, sphygmometry, blood pressure measurement b) monitoring life parameters using of cardiac monitor, pulse oximetry c) spirometry, oxygen therapy, forced and replacement ventilation d) introduction of mouth-throat tube e) nose, throat and skin swabs, pleural cavity puncture	K_E.U29	
U09	performs emergency immobilization of limb, chooses type of immobilization to be applied to typical clinical cases and checks correctness of limb blood supply after putting on an immobilizing dressing	K_F.U8	
U10	performs basic resuscitation procedures with the help of automatic defibrillator and other rescue operations and provides first aid	K_F.U10	
U11	evaluates condition of unconscious patient and classifies according to the international grading systems	K_F.U21	
U12			
K01	co-operates with team members; can co-operate within a group and take different roles	K_K04	
K02	adheres to proper examiner/examinee relationship while performing functional tests and observations	K_K05	
K03	cares for safety of colleagues, the environment and himself/herself	K_K15	
K04	is aware of his/her own limitations and knows when to refer to experts	K_K17	
K05	shows leadership and enterprise, can organize team work	K_K18	
Table presenting learning outcomes of the subject/module in relation to the form of classes			

No.	SYMBOL (referring the standards) ZEK	Type/s of training							
		Lecture	Seminar	Practical classes	Clinical classes	...	...	...	Other...
1.	K_D.W10		X						
2.	K_E.W29		X						
3.	K_E.W39		X						
4	K_E.W40		X	X					
5	K_F.W1		X	X					
6	K_C.U14		X						
7	K_D.U11			X					
8	K_E.U1			X					
9	K_E.U3			X					
10	K_E.U7		X	X					
11	K_E.U14		X	X					
12	K_E.U16			X					
13	K_E.U29			X					
14	K_F.U8			X					
15	K_F.U10			X					
16	K_F.U21		X	X					
17	K_K04			X					
18	K_K05			X					
19	K_K15			X					
20	K_K17			X					
21	K_K18			X					
Module (subject) contents no.	Description of teaching programme	No. of hours	References to learning outcomes						
	<b>Seminars:</b>								
TK01	Emergency medicine - introduction	2	W04, W05, U01, U04, U05, U06, U07						
TK02	How to cure?– pain i EM	1	W01, W02, U01						
TK03	Fluid therapy in EM. New standard medical treatment for shock.	3	W03, U01, U06						
TK04	Respiratory failure – symptoms, diagnostic, treatment in prehospital and hospital help.	2	W07, W06, U07, U12						
TK05	ITLS. Mechanism of injury. FAST	2	W08, U06, U07, U11						
	<b>Practical classes:</b>								
TK01	Respiratory tract workshop: basic airway managment; passive and active oxygenation;bag valve mask ventilation; endotracheal intubation; alternative method LMA, LT, Combitube	2	W06,W07, U01, U04,U06,U08, U10, U12,						
TK02	Range of competences in airway management.	1	U02, U07, K04 K05						

TK03	Basic and technological patient monitoring.	2	W04, U08, K02
TK04	ITLS - whole body examination trauma patients	2	W08, U01, U03, U04, U05, U07, U10, U11, K02
TK05	Spine immobilization (cervical collar, board, scoop stretcher) KED. Pedi-Pack.	1	W05, U02, U09
TK06	Local damage - wound dressing immobilization of limb.	1	U09
TK07	Team management - the role of leader	1	U02, U07, K01, K03, K04, K05

**Booklist**

Obligatory literature:

1. ALS guidelines 2015 <http://www.cprguidelines.eu/>

2. ITLS 2017 (International Trauma Life Support): John Emory Campbell, Roy Lee Alson

3. Tintinalli's Emergency Medicine: A Comprehensive Study Guide, Tintinalli Judith E.

Supplementary literature:

1. Tintinalli's Emergency Medicine Manual, Eighth Edition 8th Edition Rita K. Cydulka, David M. Cline, O. John Ma, Michael T. Fitch, Scott A. Joing, Vincent J. Wang

2. A Practical Guide to Pediatric Emergency Medicine : Caring for Children in the Emergency Department; N. Ewen Amieva-Wang and Jamie Shandro and Aparajita Sohoni

**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 tutor	20		
Time spent on preparation to seminars/ practical classess	8		
Time spent on reading recommended literature	10		
Time spent on writing report/making project			
Time spent on preparing to colloquium/ entry test			
Time spent on preparing to exam	10		
Other .....			
Student's workload in total			
<b>ECTS credits for the subject (in total)</b>	2		

**Remarks**