



Pomorski Uniwersytet Medyczny w Szczecinie

SYLLABUS of the MODULE (SUBJECT) General information

Module title: ANAESTHESIOLOGY AND RESUSCITATION	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry (WLS)
Major	Medicine and Dentistry (KLD)
Specialty	-
Level of study	long-cycle
Mode of study	full-time/part-time
Year of studies, semester	Year 3 semester V
ECTS credits (incl. semester breakdown)	1
Type/s of training (Number of hours)	5h seminars 5 h practical classes 5 h
Form of assessment ¹	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input type="checkbox"/> practical <input checked="" type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination: <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:	Prof. dr hab. n. med. Maciej Żukowski
Tutor responsible for the module	Dr n.med. Małgorzata Zegan-Barańska
Name and contact data of the unit	Department of Anaesthesiology, Intensive Care and Acute Poisoning SPSK no. 2 Ul. Powstańców Śląskich 71 70-111Szczecin Tel. 914661144
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/klinika-anestezjologii,-intensywnej-terapii-i-ostrych-zatruc
Language	Polish/English

¹ where applicable, replace into

Detailed information

<p>Module objectives</p>	<ul style="list-style-type: none"> ○ Familiarisation with the specifics of the work of anaesthesiologists ○ Familiarisation and deepening of knowledge in the field of anaesthesiology and intensive care. ○ Monitoring of vital signs ○ Qualifying patients for anaesthesia. ○ Application of advanced treatment techniques in the ICU ○ Recognition of life-threatening causes and management and care of the critically ill patient ○ Learning and consolidation, and practical application of international algorithms for basic resuscitation (BLS) and advanced resuscitation (ALS). ○ Familiarisation with techniques of central venous cannulation, intubation, tracheostomy, pleural puncture, arterial cannulation. ○ Elements of ethics. 	
<p>Prerequisite /essential requirements</p>	<p>Knowledge</p>	<ul style="list-style-type: none"> ○ Fundamentals of anatomy. ○ Pathophysiology of diseases of the cardiovascular system, respiratory system, nervous system, digestive system and excretory system. ○ Principles of qualification and assessment of patients in life-threatening conditions. ○ Knowledge of clinical pharmacology. ○ Fundamentals of ALS and BLS algorithms. ○ Principles of radiological imaging basics. ○ Laboratory diagnostics. ○ Knowledge of the Code of Medical Ethics
	<p>Skills</p>	<ul style="list-style-type: none"> ○ basic resuscitation procedures ○ diagnosis of life-threatening ○ clinical examination of a patient ○ basic medical procedures and interventions, e.g: peripheral venous cannulation, airway patency, assessment of vital signs.
	<p>Competences</p>	<ul style="list-style-type: none"> ○ shows habit of self-education and lifelong education ○ accepts need of standards of conduct and legislation regarding medical practice ○ Ethical standards, medical secrecy, self-education, teamwork skills, communication with the family of a seriously ill patient, empathy in the relationship with the patient and the family. Perceives the rights of the patient. Perceives patients' rights.

Description of the learning outcomes for the course/module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring to the standards)	Method of verification of learning outcomes*
W01	understands relationship between morphological anomalies and function of organs and systems, clinical symptoms and capacity of diagnostics and treatment	K_E.W01	student's active participation and attitude assessment Oral/test assessment
W02	knows basic methods of medical examination and importance of additional examination with regard to diagnosis, monitoring, prognosis and prophylaxis of organ and systemic disorders in particular its effect on oral cavity tissues	K_E.W02	
W03	knows etiopathogenesis and symptomatology of diseases of respiratory system, circulatory system, genitourinary system, hematopoietic system, immunological system, alimentary system, motor system and endocrine system with particular focus on disease whose symptoms occur in oral cavity	K_E.W03	
W04	knows causes and mechanisms of circulatory and respiratory arrest and rules of resuscitation and post-resuscitation proceeding	K_E.W17	
W05	knows life-threatening states	K_E.W18	
U01	assesses and explains mental and somatic state of patient	K_E.U02	student's active participation and attitude assessment Oral/test assessment
U02	interprets results of laboratory examination	K_E.U04	
U03	identifies life-threatening risk	K_E.U08	
U04	explains and recognizes symptoms of shock and acute circulatory failure	K_E.U09	
U05	performs basic procedures and operations: body temperature measurement, sphygmometry, non-invasive blood pressure measurement, oxygen therapy, forced and supportive ventilation, introduction of mouth-throat tube, preparation of operating field, hygienic and surgical disinfection of hands, intravenous, intramuscular and subcutaneous injections, drawing peripheral venous blood, nose, throat and skin swabs, simple strip tests and glucose concentration measurement	K_E.U20	
K01	shows habit of self-education and lifelong education	K_K01	practical skills assessment
K02	accepts need of standards of conduct and legislation regarding medical practice	K_K02	student's active participation and attitude assessment
K03	can co-operate with team members and care about occupational safety	K_K03	

K04	shows respect to human body	K_K04	Oral/test assessment
K05	shows respect to patient, social groups and cares for their goodwill and security	K_K05	
K06	recognizes need for complete understanding of physical phenomena in aspects of human body	K_K06	
K07	understands sense of responsibility for entrusted property	K_K07	
K08	understands proper examiner/examined relationship	K_K08	
K09	understands need for keeping professional secrecy and showing respect to patients' rights	K_K09	

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.W01	X	X			X		
W02	K_E.W02	X	X			X		
W03	K_E.W03	X	X			X		
W04	K_E.W017	X	X			X		
W05	K_E.W018	X	X			X		
U01	K_E.U02	X	X			X		
U02	K_E.U04	X	X			X		
U03	K_E.U08	X	X			X		
U04	K_E.U09	X	X			X		
U05	K_E.U20	X	X			X		
K01	K_E.U01	X	X			X		
K03	K_E.U02					X		
K03	K_E.U03					X		
K04	K_E.U04					X		
K05	K_E.U05					X		
K06	K_E.U06	X	X			X		
K07	K_E.U07					X		
K08	K_E.U08					X		
K09	K_E.U09					X		

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	Number of hours	References to learning outcomes
Winter semester			
Lectures (E-learning)			
TK01	Qualifying patients for anaesthesia.	1	W 02,03,04,05 U 03,04,05
TK02	General anaesthesia.	1	W02,03,04,05 U 03,04,05 K01-09
TK03	Regional anaesthesia.	1	W02,03,04,05 U 03,04,05 K01-09
TK04	Anaphylactic shock.	1	W04, 05 K01 U 03.04
TK05	Local and general anaesthetics- types, principles of action, toxicity.	1	W01,04,05
Seminars			
TK01	Airway restoration	1	W01,03,04,05 U01-05
TK02	Vascular access.	1	W01 K04,03 U 05
TK03	BLS - basic life support according to ERC.	1	W 03,04,05 K01 U 03.04
TK04	ALS - advanced resuscitation procedures according to ERC.	1	W04 K01-09 U 03-05
TK05	Sepsis. Initial procedure.	1	W01,02,03,05
Simulation (practical classes)			
TK01-05	Simulation scenarios in CSM - based on seminar topics.	5	W 01-05 U 01-05 K 01-09

Booklist:

Obligatory literature:

1. Polska Rada Resuscytacji – Aktualnie obowiązujące Wytyczne Rady Resuscytacji
2. Materiały z seminariów.
3. Podstawy anestezyjologii i intensywnej terapii, pod redakcją prof. Z. Kruszyńskiego, skrypt AM w Poznaniu, rok wydania 2010 r
4. P.L.Marino „Intensywna Terapia” Elseviere Urban&Partner, wyd. IV 2016

Supplementary literature:

Anestezyjologia. Seria Crash Course Author: Mark Weinert, red. wyd. pol. Andrzej Kubler Wydawca: Elsevier Urban & Partner.

Student's workload	
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 classes	5
Time spent on reading recommended literature	5
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	25
ECTS credits for the course (in total)	1
Notes	

* 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...