



Pomeranian Medical University in Szczecin[PUM]
COURSE SYLLABUS
General information

Name of Course: Anaesthesiology and intensive care	
Type of course	Compulsory
PUM Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine
Specialization	Anaesthesiology and Intensive Care
Level of study	Long-term studies
Form of study	full-time/ part-time
Year of study /semester	V
Number of ECTS credits allocated	4
Forms of teaching (number of hours)	4 lectures/8 seminars/40 practical exercises
Methods of verification and assessment of learning outcomes *	<input type="checkbox"/> graded credit: <input checked="" type="checkbox"/> descriptive credit <input checked="" type="checkbox"/> test credit <input type="checkbox"/> practical credit <input type="checkbox"/> oral credit <input type="checkbox"/> credit without grade <input type="checkbox"/> final exam: <input type="checkbox"/> descriptive credit <input checked="" type="checkbox"/> test credit <input type="checkbox"/> practical credit <input type="checkbox"/> oral credit
Head of Unit	Prof. Dr. med. Romuald Bohatyrewicz, MD, prof. Ph.D <i>romuald.bohatyrewicz@pum.edu.pl</i>
Teaching assistant professor or person responsible for the course	Dr n. med. Joanna Sołek-Pastuszka, MD, Ph.D <i>joanna.pastuszka@pum.edu.pl</i>
Name and contact details of unit	Department of Anaesthesiology , Intensive Care of the Pomeranian Medical University SPSK 1 ul. Unii Lubelskiej1, 71-252 Szczecin. phone 91-425 33 78, fax 91 425 33 86, e-mail: <i>klanest@pum.edu.pl</i>
Unit's website	<i>www.pum.edu.pl</i>
Language of instruction	Polish/English

*tick as appropriate, changing to

Detailed information

Course objectives		<p>The course objective is:</p> <ol style="list-style-type: none"> 1. the introduction to the basics of anaesthesiology and intensive care, familiarisation with the specificity of anaesthesiologist work in the operating theatre and hospital, work with patients in the conditions of ICU. 2. learning and consolidating, and practical application of international algorithms for basic (BLS) and advanced resuscitation (ALS).
Preliminary requirements in terms of	Knowledge	<p>Fundamentals of human anatomy, physiology and pathophysiology. Fundamentals of acid-base balance issues. Fundamentals of als and bls algorithms. Principles of radiographic imaging fundamentals.</p>
	Skills	<p>Hand disinfection, moving in the sterile surgical field, preparing the sterile surgical field, peripheral venous cannulation, clinical examination of the patient with elements of neurological examination.</p>
	Social competences	<p>Ethical standards, medical confidentiality, the need for self-education.</p>

LEARNING OUTCOMES			
Number of educational outcomes	A student who has completed of the COURSE knows/can:	SYMBOL (reference to) learning outcomes for the field of study	Method of verifying the learning outcomes*
W04	A student knows the principles of perioperative safety, preparation of the patient for surgery, administering general and local anaesthesia and controlled sedation	K_F.W4	ET, S, PS,K
W05	A student knows postoperative treatment with analgesic therapy and postoperative monitoring	K_F.W5	ET, S, PS,K
W06	A student knows the indications and principles of application of intensive therapy	K_F.W6	ET, S, PS,K
W07	A student knows the current guidelines for cardiopulmonary resuscitation of newborns, children and adults	K_F.W7	ET, S, PS,K
W15	A student knows the principles of suspicion and diagnosis of brain death	K_F.W15	ET, S, PS,K
U02	A student uses basic surgical	K_F.U2	S

	instruments		
U03	A student complies with the principles of asepsis and antisepsis	K_F.U3	S
U05	A student knows how to perform peripheral venipuncture	K_F.U5	S
U10	A student performs basic resuscitation using automated external defibrillator and other emergency procedures and give first aid	K_F.U10	S
U11	A student performs the procedure in accordance with the current advanced resuscitation algorithm	K_F.U11	S
U12	A student monitors the postoperative period based on basic vital signs	K_F.U12	S
U21	A student assesses the condition of the unconscious patient and determine according to the current international scoring scales	K_F.U21	S
K01	A student accepts the need for ethical standards	K_K01	O
K02	A student understands the concept and the need for responsibility for the entrusted good	K_K02	O
K03	A student shows the habit of self-education, understands the need of lifelong learning, is able to inspire and organize the learning process of others	K_K03	O
K04	A student cooperates with team members; can cooperate in a group taking up different roles	KK04	O
K0	A student ,during observations and functional tests, observes proper relations between the examiner and the examined	K_K05	O
K10	A student accepts the need to speak a foreign language	K_K10	O
K11	A student is aware of the patient's rights	K_K11	O
K14	A student can maintain medical confidentiality	K_K14	O
K15	A student is able to take care of his own safety, as well as that of his surroundings and colleagues	K_K15	O
K17	A student is aware of his/her own limitations and knows when to turn to experts	K_K17	O
K20	A student shows respect towards patients/clients/social groups for their welfare	K_K20	O

Table of learning outcomes in relation to the form of classes

No	Learning outcomes	Form of the classes						
		Lecture	Seminar	Practical Exercises	Clinical exercises	Simulations	E-learning	Other forms
W04	A student knows the principles of perioperative safety, preparation of the patient for surgery, administering general and local anaesthesia and controlled sedation		X	X	X	X	X	
W05	A student knows postoperative treatment with analgesic therapy and postoperative monitoring	X		X	X		X	
W06	A student knows the indications and principles of application of intensive therapy	X		X	X	X	X	
W07	A student knows the current guidelines for cardiopulmonary resuscitation of newborns, children and adults			X	X	X		
W15	A student knows the principles of suspicion and diagnosis of brain death		X	X	X		X	
U02	A student uses basic surgical instruments			X	X	X		
U03	A student complies with the principles of asepsis			X	X	X		
U05	knows how to perform peripheral venipuncture			X	X	X		
U10	A student performs basic resuscitation using automated external defibrillator and other emergency procedures and give first aid			X	X	X		
U11	A student performs the procedure in accordance with the current advanced resuscitation algorithm			X	X	X		
U12	A student monitors the postoperative period based on basic vital signs			X	X	X		
U21	A student assesses the condition of the unconscious patient and determine according to the current international scoring scales		X	X	X	X		
K01	A student accepts the need for ethical standards			X	X	X		
K02	A student understands the concept and the need for responsibility for the entrusted good			X	X	X		
K03	A student shows the habit of self-education, understands the need of lifelong learning, is able to inspire and organize the learning process of others		X	X	X	X	X	
K04	A student cooperates with team members; can cooperate in a group taking up different roles			X	X	X		

K0	A student ,during observations and functional tests, observes proper relations between the examiner and the examined			x	x	x		
K10	A student accepts the need to speak a foreign language		x	x	x		x	
K11	A student is aware of the patient's rights			x	x	x		
K14	A student can maintain medical confidentiality			x	x	x		
K15	A student is able to take care of his own safety, as well as that of his surroundings and colleagues			x	x	x		
K17	A student is aware of his/her own limitations and knows when to turn to experts		x	x	x	x	x	
K20	A student shows respect towards patients/clients/social groups for their welfare			x	x	x		

TABLE OF CURRICULUM				
Curriculum number	Curriculum content	Number of hours	Reference to the learning outcomes for the CLASSES	
Lectures				
W05	Treatment of acute pain.	2	K_F.W5	
W06	Indications for treatment in the ICU setting	2	K_F.W6	
Seminars				
W04	Perioperative care of the patient, general, regional and local anaesthesia	3	K_F.W4	
W06	Respiratory, circulatory, renal failure, acid-base imbalance - treatment in ICU conditions	3	K_F.W6	
W15	Seminar - Brain death	2	K_F.W15	
Practical Exercises				
W04	Perioperative care of the patient, general, regional and local anaesthesia	3	K_F.W4	
U12	Practical exercises - monitoring the perioperative period	3	K_F.U12	
W07	Principles of cardiopulmonary resuscitation	12	K_F.W7	
W06	Indications for treatment in the ICU, respiratory, circulatory, renal failure, acid-base imbalance - treatment in the ICU setting	10	K_F.W6	
W 15	Futile therapy in the ICU. Brain death - diagnostic procedures. Organ harvesting after cardiac arrest.	3	K_F.W15	
K01				K_K01
K02				K_K02
K03	Practical Exercises - ethical standards in the operating theatre and ICU			K_K03
K04		3		K_K04
K05				K_K05
K10				K_K10
K11				K_K11

Preparing for the exam	3
Other	
Total student workload	97
ECTS credits	4
Notes	

*Example Methodss of verification of educational outcomes:

EP - written exam

EU - oral test

ET - test exam

EPR - practical test

K - test

R - paper

S - testing of practical skills

RZĆ - report from practical exercises with discussion of results

O - assessment of student's activity and attitude

SL - Laboratory report

SP - case study

PS - assessment of ability to work independently

W - short test before the beginning of classes

PM - multimedia presentation

and other