



Syllabus 2018/2019														
Description of the course														
Module/Course	Emergency Medicine							Group of detailed education results						
								Group code	F	Group name			Clinical Interventional Classes	
Faculty	Medicine													
Major	Medicine													
Specialties	Not applicable													
Level of studies	Uniform masters level studies X * 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies <input type="checkbox"/>													
Form of studies	X full-time X part-time													
Year of studies	5					Semester		X Winter X Summer						
Type of course	X obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / elective													
Course	X major <input type="checkbox"/> basic													
Language of instruction	<input type="checkbox"/> Polish X English <input type="checkbox"/> other													
* mark <input type="checkbox"/> with an X														
Number of hours														
Type of learning														
Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – non-clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – masters studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
Winter Semester														
Department and Clinic of Emergency Medicine	8				4		2							
Department of Paediatric Traumatology and Emergency Medicine	2				2		4							
Department of Medical Emergency							8							



Summer Semester													
Department and Clinic of Emergency Medicine	6				8		2						
Department of Paediatric Traumatology and Emergency Medicine	4						6						
Department of Medical Emergency							4						
TOTAL per year:													
Department and Clinic of Emergency Medicine	14				12		4						
Department of Paediatric Traumatology and Emergency Medicine	6				2		10						
Department of Medical Emergency							12						
Educational objectives (max. 6 items)													
C1. Introduce students to the organization of the emergency medical systems													
C2. Teach students to perform cardiopulmonary resuscitation in children and adults													
C3. Teach students to identify states potentially leading to cardiac arrest and methods of treating them													
C4. Teach students how to proceed in cases of acute traumatic threats to life													
C5. Teach students how to identify psychological problems in patients in danger of dying as well as their families and methods of solving them.													
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class													
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to					Methods of verification of intended education results (forming and summarizing)			Form of didactic class <i>**enter the abbreviation</i>			
W 01	F.W9	Understands the regulations controlling the functioning of the integrated national emergency medical system					Test			L, CC			
W 02	F.W8	Knows the guidelines for cardiopulmonary resuscitation in neonates, children and adults					Test			CC, L, CSC			
U 01	F.U10	Can perform basic life saving procedures including use of external defibrillator and other emergency					Carrying out actions in simulated conditions;			CSC			



		procedures and can administer first aid	assessment of the quality of chest compressions and ventilation with the assistance of computer program: other actions will be assessed by an instructor using a structured protocol	
U 02	F.U11	Acting in accordance with the current algorithm for advanced life support	Carrying out actions in simulated conditions; assessment of the quality of chest compressions and ventilation with the assistance of computer program: other actions will be assessed by an instructor using a structured protocol	CSC

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (master level studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:

communication of knowledge, skills or forming attitudes:

Knowledge:

Skills:

Student's workload (balance of ECTS points)

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	60
2. Student's own work (self-study):	40
Total student's workload	100
ECTS points for module/course	3,0
Comments	

Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Lectures

Winter Semester

Department and Clinic of Emergency Medicine

1. Emergency medicine in Poland. Epidemiology of acute life threatening conditions. Intrahospital triage. Structure and functioning of the emergency department.
2. Epidemiology of acute cardiac arrest. Cardiac arrest in out-of-hospital and in-hospital conditions. Postresuscitation disease. Therapeutic hypothermia.
3. Cardiopulmonary resuscitation in adults. Advanced postresuscitation care.



4. Procedure in states causing imminent threat to life. Patient with arrhythmias, in anaphylactic shock, acute coronary syndrome, pulmonary edema, asthma exacerbation, metabolic disturbances.

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5. Cardiopulmonary resuscitation in children. Procedures in case of choking

Summer Semester

Department and Clinic of Emergency Medicine

1. Introduction to clinical procedures in states of acute life threatening conditions in adults (pt. 1)
2. Introduction to clinical procedures in states of acute life threatening conditions in adults (pt. 2)
3. Patient with polytrauma

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4. Introduction to clinical procedures in states of acute life threatening conditions in children
5. Emergency treatment of traumatic injury in children

Seminars

- 1.
- 2.
- 3.

Practical classes

Winter Semester

Department and Clinic of Emergency Medicine

Classes in Simulated Conditions

1. Securing the airway and ventilation using bag valve mask (AMBU)
2. Quick trauma assessment
3. Chest compressions, first aid
4. Defibrillation and cardioversion, transdermal cardiac stimulation

Clinical Classes

1. Recognition and treatment of states posing imminent threat to the patient's life. Triage.
2. Patient after syncope in the Emergency Department.

Department of Medical Simulation

1. Cricothyrotomy, intraosseous injections

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1. Basic and advanced life support in children (CSC)
2. Initial treatment of traumatic injury in children (CSC)
3. Acute eye injuries (CC)

Summer Semester

Department and Clinic of Emergency Medicine

Classes in Simulated Conditions

1. Stopping acute bleeding, immobilization of the cervical spine, limbs, application of pelvic stabilization device.
2. Insertion of IV access, administering intramuscular, subcutaneous, intravenous injections. Assembling IV kits
3. Advanced Life Support defibrilatable and non-defibrilatable rhythms.

Clinical Classes

1. Patient with traumatic injury of the musculoskeletal system
2. Communication in the Emergency Department
3. Arrhythmias in the Emergency Department
4. Environmental Hazards

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1. Advanced Life Support in children

Other



- 1.
- 2.
- etc. ...

Basic literature (list according to importance, no more than 3 items)

- 1.
- 2.

Additional literature and other materials (no more than 3 items)

- 1.
- 2.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Laptop, multimedia projector, manekin for training CPR in children and adults, manekins for training intubation, defibrillator, AED defibrillator, phantom for training IV injections, phantom for training procedures related to traumatic injury, phantom for training pneumothorax decompression, orthopedic backboard, intubation tubes, oropharyngeal tubes, bandages, cotton swabs, disinfectant, USG, EKG.

Preliminary conditions (minimum requirements to be met by the student before starting the module/course) Review of information learned during the first year regarding first aid as well as information from the fourth year regarding cardiopulmonary resuscitation.

Conditions to receive credit for the course (specify the form, criteria and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades).

Each absence must be made up, including rector's days or dean's hours- mead up classes or preparing presentations

During the last class of the winter semester a 10 question written multiple choice test will be given and the student will be assessed on their ability to carry out proper cardiopulmonary resuscitation at the BLS level (practical test).

The average of the grades from the written and practical tests will be the student's grade for the semester:

Criteria for the written test:

- 10 correct answers – very good (5,0)
- 9 correct answers – above good (4,5)
- 8 correct answers - good (4,0)
- 7 correct answers - fair (3,5)
- 6 correct answers - adequate (3,0)
- 5 or less answers correct – insufficient (2,0)

Grading for the practical portion of the test (BLS) will be carried out by an instructor using a structured protocol document in which observations and assessment about the student's abilities in carrying out the required actions will be noted.

During the last class of the summer semester a 10 question written multiple choice test will be given and the student will be assessed on their ability to carry out proper cardiopulmonary resuscitation at the ALS level (practical test).

The average of the grades from the written and practical tests will be the student's grade for the semester:

Criteria for the written test:

- 10 correct answers – very good (5,0)
- 9 correct answers – above good (4,5)
- 8 correct answers - good (4,0)
- 7 correct answers - fair (3,5)
- 6 correct answers - adequate (3,0)



5 or less answers correct – insufficient (2,0)

Grading for the practical portion of the test (ALS) will be carried out by an instructor using a structured protocol document in which observations and assessment about the student's abilities in carrying out the required actions will be noted.

Grade:	Criteria for course
Very Good (5.0)	Average of 4,75-5,0 between the written and practical test
Good Plus (4.5)	Average of 4,25-4,74 between the written and practical test
Good (4.0)	Average of 3,75-4,24 between the written and practical test
Satisfactory Plus (3.5)	Average of 3,25-3,74 between the written and practical test
Satisfactory (3.0)	Average of 3,0-3,24 between the written and practical test

Grade:	Criteria for exam (if applicable)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name of department teaching course:	Department and Clinic of Emergency Medicine
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Person responsible for course:	Dr hab. Dorota Zyško, prof. nadzw.
Phone	600125283
E-mail	dorota.zysko@umed.wroc.pl

<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Type of classes</i>
Dorota Zyško	Dr hab.	Emergency Medicine Cardiology, Internal Medicine	physician	CK, CS, W
Łukasz Bilaszewski	Lek.	Emergency Medicine	physician	CK, CS
Katarzyna Budrewicz	Dr n. med.	medicine	physician	CK, CS
Goutam Chourasia	Lek	medicine	physician	CK, CS
Rafał Czyż	Mgr	Health sciences Doctoral student – IV year	emergency medical technician	CK, CS



Krzysztof Dudek	Dr n. med.	Emergency Medicine, thoracic surgery	physician	CK, CS
Grzegorz Gogolewski	Dr n. med.	Emergency Medicine, internal medicine	physician	CK, CS
Rafał Jakobson	lek	medicine	physician	CK, CS
Małgorzata Kaczmarek-Fojtar	Mgr	psychology	psychologist	CK
Agnieszka Piątkowska	Lek	Internal Medicine	physician	CK, CS
Paweł Pochciał	Lek	medicine	physician	CK, CS
Barbara Porębska	Lek	Internal Medicine, toxicology	physician	CK, CS
Przemysław Skoczyński	Dr n. med.	cardiology	physician	CK, CS
Wiesław Krzysztof Sycz	Lek	Anesthesiology and Intensive Care	physician	CK, CS
Joanna Wizowska	Lek	Emergency Medicine	physician	CK, CS
Igor Woniakowski	Lek	Surgery	physician	CK, CS
Zakład Traumatologii i Medycyny Ratunkowej Wieków Rozwojowego				
Jan Godziński	prof. dr hab. n. med.	Pediatric surgery, oncological surgery	physician	W, CS
Lilianna Styka	dr n. med.	Anesthesiology and intensive care	physician	CS
Kinga Niewińska	dr n. med.	Anesthesiology and intensive care Emergency Medicine	physician	CS
Joanna Jakubaszko- Jabłońska	dr n. med.	Ophthalmology	physician	CK, CS
Janusz Sokołowski	dr n. med.	Emergency Medicine	physician	CS
Marta Kwiatkoń	dr n. med.	Emergency medical technician, psychology	emergency medical technician, psychologist	CS
Marzena Kozakiewicz	lek.	Pediatric surgery	physician	CS
Agnieszka Burcka	dr n. med.	Pediatric surgery	physician	CS

Date of Syllabus development

31.08.2018

Uniwersytet Medyczny we Wrocławiu
KATEDRA MEDYCZYNY RATUNKOWEJ

Syllabus developed by
kierownik

dr hab. Dorota Zysko, prof. nadzw.

Signature of Head of teaching department

Uniwersytet Medyczny we Wrocławiu
KATEDRA MEDYCZYNY RATUNKOWEJ

kierownik

dr hab. Dorota Zysko, prof. nadzw.

Signature of Faculty Dean

Wrocław Medical University
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