





Department of Paediatric Traumatology and Emergency Medicine	3					6								
Department of Emergency Medical Services						6								
<b>TOTAL per year:</b>														
Department and Clinic of Emergency Medicine	14			12		4								
Department of Paediatric Traumatology and Emergency Medicine	6			2		10								
Department of Emergency Medical Services						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 life threatening trauma
- C5. Teach students how to identify psychological problems in patients in danger of dying as well as their families and methods of addressing them.

**Education result matrix for module/course in relation to verification methods of the intended education result and the type of class**

<i>Number of course education result</i>	<i>Number of major education result</i>	<i>Student who completes the module/course knows/is able to</i>	<i>Methods of verification of intended education results (forming and summarizing)</i>	<i>Form of didactic class **enter the abbreviation</i>
W 01	F.W8	Understands the functioning of the integrated national emergency medical system	Test	L, CC
W 02	F.W7	Knows the current 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 procedures and can administer first aid	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
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: 4

Skills: 5

**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):	20
Total student's workload	80
<b>ECTS points for module/course</b>	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.

**Department of Paediatric Traumatology and Emergency Medicine**

1. 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 polytraumatic injury

**Department of Paediatric Traumatology and Emergency Medicine**

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

**Seminars**

- 1.

**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

**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 / Patient with disturbances of consciousness.

**Department of Paediatric Traumatology and Emergency Medicine**

**Classes in Simulated Conditions**

1. Basic and advanced life support in children
2. Initial treatment of traumatic injury in children

**Clinical Classes**

1. Acute Eye Injury

**Department of Emergency Medical Services**



**Classes in Simulated Conditions**

1. Chest compressions, first aid
2. Defibrillation and cardioversion, transdermal stimulation
3. Treatment of external bleeding
4. Immobilization of the cervical spine, limbs, using a pelvic binder

**Summer Semester**

**Department and Clinic of Emergency Medicine**

**Clinical Classes**

1. Patient with traumatic injury of the musculoskeletal system
2. Communication in the Emergency Department
3. Patient with AV block in the emergency department / transdermal stimulation
4. Environmental Hazards - hypothermia

**Department of Paediatric Traumatology and Emergency Medicine**

**Classes in Simulated Conditions**

1. Advanced Life Support in children

**Department of Emergency Medical Services**

**Classes in Simulated Conditions**

1. Insertion of intravenous cannula, intravenous injections, intramuscular and subcutaneous injections, assembly of IV sets for fluid administration

**Other**

Does not apply

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

1. Emergency Medicine Secrets Questions and Answers Revealed J. Markovchick, Peter T. Pons, Katherine M. Bakes. Medpage 2016
2. Guidelines of the European Resuscitation Council 2015 <https://cprguidelines.eu/>

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

1. NMS Emergency Medicine Scott H. Plantz, E. John Wipfler. Urban&Partner 2011

**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.

The grade from the classes will be based on an average of the grades received from individual classes.

Credit for lectures will be based on completing a test within a week from the date of the lecture. A link to the test will be provided to the students through the cloud service OwnCloud

Grade:	Criteria for course
Very Good (5.0)	Average of 4.6-5.0
Better than Good (4.5)	Average of 4.1-4.59
Good (4.0)	Average of 3.6-4.09
Satisfactory Plus (3.5)	Average of 3.25-3.59
Satisfactory (3.0)	Average of 3.0-3.24
Grade:	Criteria for exam (if applicable)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	



Satisfactory Plus (3.5)	
Satisfactory (3.0)	

<b>Name of department teaching course:</b>	<b>Department and Clinic of Emergency Medicine</b>
Address	<b>Borowska 213 50-556 Wrocław</b>
Phone	<b>00 48 71 7332979</b>
E-mail	<b>kat.med.rat@umed.wroc.pl</b>

<b>Person responsible for course:</b>	<b>Dr hab. Dorota Zyśko, prof. nadzw.</b>
Phone	<b>600125283</b>
E-mail	<b>dorota.zysko@umed.wroc.pl</b>

<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 Zyśko	Prof. dr hab.	Emergency Medicine Cardiology, Internal Medicine	physician	CC, CSC, L
Łukasz Bilaszewski	lek.	Emergency Medicine	physician	CC, CSC
Katarzyna Budrewicz	dr n. med.	Medicine	physician	CC, CSC
Goutam Chourasia	lek.	Medicine	physician	CC, CSC
Rafał Czyż	dr	Emergency medical services	EMS	CC, CSC
Krzysztof Dudek	dr n. med.	Emergency Medicine, Thoracic Surgery	physician	CC, CSC
Grzegorz Gogolewski	dr n. med.	Medicine	physician	CC, CSC
Rafał Jakobson	lek.	Medicine	physician	CC, CS
Małgorzata Kaczmarek-Fojtar	mgr.	Psychology	psychologist	CC
Agnieszka Piątkowska	lek	Internal medicine	physician	CC, CSC
Paweł Pochciał	lek.	Medicine	physician	CC, CSC
Barbara Porębska	lek	Internal medicine, toxicology	physician	CC, CSC
Przemysław Skoczyński	dr n. med.	Cardiology	physician	CC, CSC
Wiesław Krzysztof Sycz	lek.	Anesthesiology and Intensive Care	physician	CC, CSC
Joanna Wizowska	lek.	Emergency Medicine	physician	CC, CSC
Jakub Mercik	lek.	Medicine	physician	CC, CSC
Jarka Moczarska	lek	Medicine	physician	CC, CSC
<b>Department of Emergency Medical Services</b>				
Jarosław Sowizdraniuk	mgr	Emergency medical services	EMS	CSC
Paweł Gawłowski	mgr	Emergency medical services	EMS	CSC
<b>Department of Paediatric Traumatology and Emergency Medicine</b>				
Jan Godziński	prof. dr hab. n. med.	Pediatric surgery, oncological surgery	physician	L, CSC
Lilianna Styka	dr n. med.	Anesthesiology and intensive care	physician	CSC
Kinga Niewińska	dr n. med.	Anesthesiology and intensive care Emergency Medicine	physician	CSC
Joanna Jakubaszko-Jabłońska	dr n. med.	Ophthalmology	physician	CC, CSC



Janusz Sokołowski	dr n. med.	Emergency Medicine	physician	CSC
Marta Wiatoń	Dr n. med.	Emergency Medicine, Psychology	EMS, psychologist	CSC
Marzena Kozakiewicz	lek.	Pediatric surgery	physician	CSC
Agnieszka Burkacka	dr n. med.	Pediatric surgery	physician	CSC

**Date of Syllabus development**

21.06.2020

**Syllabus developed by**

Prof. dr hab. Dorota Zyśko

**Signature of Head of teaching department**

**Signature of Faculty Dean**

University  
Faculty of Medicine  
Vice-Dean for Pedagogics  
prof. Beata Sobieszka

.....Uniwersytet Medyczny we Wrocławiu.....

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MEDYCyny RATUNKOWEJ  
kierownik  
prof. dr hab. Dorota Zyśko