





Direct Studies							6						
Distance Learning													
<b>Summer semester:</b>													
<b>Department and Clinic of Emergency Medicine</b>													
Direct Studies						14	4						
Distance Learning													
<b>Department of Paediatric Traumatology and Emergency Medicine</b>													
Direct Studies							6						
Distance Learning													
<b>Department of Emergency Medical</b>													
Direct Studies						2	4						
Distance Learning													
<b>TOTAL per year:</b>													
						32	28						
<b>Educational objectives (max. 6 items)</b>													
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.													
C6. Shape the social competencies of students necessary to carry out the job of physician													
Development social competences needed to practice the medical profession, in accordance with graduate's profile.													
<b>Education result for course in relation to verification methods of the intended education result and the type of class:</b>													
Number of detailed education result	Student who completes the course knows/is able to	Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>										
F.W2	Understands the functioning of the integrated national emergency medical system	Test	CC										
F.W7	Knows the current guidelines for cardiopulmonary resuscitation in neonates, children and adults	Test	CC, CSC										
F.W8	Knows the cardiovascular resuscitation algorithm for hypothermia and post-traumatic hypothermia	Test	CC, CSC										
F.W15	Can treat external bleeding	Carrying out actions in simulated conditions; will be assessed by an instructor using a structured protocol	CSC										
F.W16	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	CSC										



		be assessed by an instructor using a structured protocol	
F.U10	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
F.U11	Can insert a peripheral IV access	Carrying out actions in simulated conditions; 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; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

**Student's amount of work (balance of ECTS points):**

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	60
2. Number of hours of distance learning:	0
3. Number of hours of student's own work:	66
4. Number of hours of directed self-study	n/a
Total student's workload	126
ECTS points for course	4,0

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**

Does not apply

**Seminars**

1. Does not apply

**Practical classes**

**Winter Semester**

**Department and Clinic of Emergency Medicine**

Classes in High Fidelity Simulated Conditions

1. Medical Cardiac Arrest in the Emergency Department

**Clinical Classes**

1. Recognizing and treatment of shock in a patient
2. Traumatic injury of the upper limb
3. Alcohol poisoning, monitoring the poisoned patient, recognizing alcohol, drug and psychotropic intoxication
4. Wound treatment
5. Pulmonary embolism
6. Head and spine injury
7. Hypothermia. Recognizing brain death.

**Department of Paediatric Traumatology and Emergency Medicine**

Classes in High Fidelity Simulated Conditions

1. Medical cardiac arrest in children, various clinical scenarios



**Department of Emergency Medical Services**

**Classes in High Fidelity Simulated Conditions**

1. Medical cardiac arrest outside the hospital

**Clinical Classes**

1. Patient with arrhythmias in the emergency department

**Summer Semester**

**Department and Clinic of Emergency Medicine**

**Classes in High Fidelity Simulated Conditions**

**1. Traumatic cardiac arrest in the Emergency Department**

**Clinical Classes**

1. Basic treatment in acute poisoning, gastric tubing and lavage
2. Chest injuries, procedures in cases of traumatic shock and multi-organ injury
3. FAST
4. Lower limb injuries, femur, knee, calf and foot
5. Patient with respiratory insufficiency in the emergency department
6. Traumatic injury of the pelvis and hip

**Department of Emergency Medical Services**

**Classes in High Fidelity Simulated Conditions**

1. Medical cardiac arrest, various scenarios

**Clinical Classes**

1. Patient with dyspnea in the emergency department

**Department of Paediatric Traumatology and Emergency Medicine**

**Classes in High Fidelity Simulated Conditions**

1. Traumatic cardiac arrest in children, aspiration

**Clinical Classes**

1. Examination of the patient with traumatic eye injury in the emergency department

**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. Medipage 2016
  2. Guidelines of the European Resuscitation Council 2021 [https://www.prc.krakow.pl/wytyczne\\_2021.html](https://www.prc.krakow.pl/wytyczne_2021.html)
- Additional literature and other materials (no more than 3 items)

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

**Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)

Credit for the previous year's class in emergency medicine



**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.

At the beginning of classes each student will receive a participation card and will receive credit in the form of a grade for each class from the instructor based on their level of activity during classes as well as correctly answering one oral question or the performance of one procedure

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

Admission to the final exam after passing the classes

The exam will have a test and a practical part. Test of 30 questions. Practical exam, 3 procedures, The final grade will be the average of these two components assessed separately

Grade:	Criteria for courses ending with a grade <sup>1</sup>
Very Good (5.0)	Average of 4.6-5.0
Good Above (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
	<b>Criteria for courses ending with a credit<sup>3</sup></b>
Credit	

Grade:	Criteria for exam <sup>3</sup>
Very Good (5.0)	Average of 4.6-5.0 from both of the individual portions of the exam
Good Above (4.5)	Average of 4.1-4.59 from both of the individual portions of the exam
Good (4.0)	Average of 3.6-4.09 from both of the individual portions of the exam
Satisfactory Plus (3.5)	Average of 3.25-3.59 from both of the individual portions of the exam
Satisfactory (3.0)	Average of 3.0-3.24 from both of the individual portions of the exam

Department in charge of the course:	<b>Department and Clinic of Emergency Medicine</b>
Department address:	<b>Borowska 213 50-556 Wrocław</b>
Telephone:	<b>00 48 71 7332981</b>
E-Mail:	<b>kat.med.rat@umed.wroc.pl</b>

Person in charge for the course:	<b>Dr. n. med. Janusz Sokołowski</b>
Telephone:	<b>71 733 29-80</b>
E-Mail:	<b>janusz.sokolowski@umed.wroc.pl</b>

**List of persons conducting specific classes:**

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Dorota Zyśko	Prof. dr hab.	Medical Studies	physician	CC, CSC, L
Katarzyna Budrewicz	dr n. med.	Medical Studies	physician	CC, CSC
Goutam Chourasia	lek.	Medical Studies	physician	CC, CSC
Rafał Czyż	dr. n. med.	Health Studies	EMS	CC, CSC
Krzysztof Dudek	dr n. med.	Medical Studies	physician	CC, CSC
Grzegorz Gogolewski	dr n. med.	Medical Studies	physician	CC, CSC
Rafał Jakobson	lek.	Medical Studies	physician	CC, CS
Małgorzata Kaczmarek-Fojtar	mgr.	Psychology	psychologist	CC

<sup>1</sup> The verification must cover all education results, which are realized in all form of classes within the course



Agnieszka Piątkowska	lek	Medical Studies	physician	CC, CSC
Paweł Pochciał	lek.	Medical Studies	physician	CC, CSC
Barbara Porębska	lek	Medical Studies	physician	CC, CSC
Przemysław Skoczyński	dr n. med.	Medical Studies	physician	CC, CSC
Wiesław Krzysztof Sycz	lek.	Medical Studies	physician	CC, CSC
Joanna Wizowska	lek.	Medical Studies	physician	CC, CSC
Jarka Moczarska	lek.	Medical Studies	physician	CC, CSC
Jakub Mercik	lek.	Medical Studies	physician	CC, CSC
Marcin Leśkiewicz	Dr n. zdr.	Health Studies	EMS	CC, CSC
<b>Department of Emergency Medical Services</b>				
Jarosław Sowizdraniuk	mgr	Health Studies	EMS	CSC
Jacek Gajek	Prof. dr. hab.	Medical Studies	physician	CC
<b>Department of Paediatric Traumatology and Emergency Medicine</b>				
Jan Godziński	prof. dr hab. n. med.	Medical Studies	physician	L, CSC
Joanna Jakubaszko-Jabłońska	dr n. med.	Medical Studies	physician	CC, CSC
Janusz Sokołowski	dr n. med.	Medical Studies	physician	CSC
Aleksandra Berdzińska-Wolny	mgr	Health Studies	nurse	CS
Piotr Miśkiewicz	dr	Medical Studies	physician	CSC

**Date of Syllabus development**  
15/09/21

**Syllabus developed by**  
Dr Janusz Sokołowski

Signature of Head(s) of teaching unit(s)

Dean's signature

Wrocław Medical University  
Faculty of Medicine  
Vice-Dean for Health Studies  
prof. Beata Szmajdzińska, PhD

Uniwersytet Medyczny we Wrocławiu  
KATEDRA I KLINIKA  
MEDYCyny RATUNKOWEJ  
p.o. kierownik  
dr n. med. Janusz Sokołowski