



## Emergency Medicine

<b>1. IMPRINT</b>	
<b>Academic Year</b>	2022/2023
<b>Department</b>	Faculty of Dental Medicine
<b>Field of study</b>	English Dentistry Division
<b>Main scientific discipline</b> <i>(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Medical sciences
<b>Study Profile</b> <i>(general academic / practical)</i>	General Academic
<b>Level of studies</b> <i>(1<sup>st</sup> level / 2<sup>nd</sup> level / uniform MSc)</i>	Uniform MSc
<b>Form of studies</b>	Full time studies
<b>Type of module / course</b> <i>(obligatory / non-compulsory)</i>	Obligatory
<b>Form of verification of learning outcomes</b> <i>(exam / completion)</i>	Exam
<b>Educational Unit / Educational Units</b> <i>(and address / addresses of unit / units)</i>	Department of Internal Medicine and Cardiology Klinika Chorób Wewnętrznych i Kardiologii Lindleya 4, 02-005 Warsaw Tel: 22 502 11 44, e-mail:kchwk@wum.edu.pl

<b>Head of Educational Unit / Heads of Educational Units</b>	Prof. dr hab. n. med. Piotr Pruszczyk
<b>Course coordinator</b> (title, First Name, Last Name, contact)	Prof. dr hab. n. med. Piotr Pruszczyk; piotr.pruszczyk@wum.edu.pl, tel 22 502 11 44
<b>Person responsible for syllabus</b> (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Prof dr hab. n med. Michał Ciurzyński; michal.ciurzynski@wum.edu.pl, tel 22 502 11 44
<b>Teachers</b>	Prof. dr hab. n. med. Piotr Pruszczyk (Head of Department); piotr.pruszczyk@wum.edu.pl Prof hab. n.med. Michał Ciurzyński (responsible for didactic); michal.ciurzynski@wum.edu.pl Dr hab. med. Piotr Bienias; piotr.bienias@wum.edu.pl Dr hab. med. Marek Roik; marek.roik@wum.edu.pl Dr hab. med. Katarzyna Kurnicka; katarzyna@kurnicka@wum.edu.pl Dr hab. med. Justyna Domienik-Karłowicz; justyna.domienik@wum.edu.pl Dr n. med. Olga Dzikowska-Diduch; olga.dzikowska-diduch@wum.edu.pl Dr n. med. Marta Skowrońska; marta.kozlowska@wum.edu.pl Dr n. med. Magdalena Gałęcka-Nowak; magdalena.galecka-nowak@wum.edu.pl Dr n. med. Agnieszka Wójcik; agnieszka.wojcik@wum.edu.pl Lek. med. Andrzej Łabyk; andrzej.labyk@wum.edu.pl Lek. med. Michał Machowski; michal.machowski@wum.edu.pl Lek. med. Monika Lisicka; monika.lisicka@wum.edu.pl

<b>2. BASIC INFORMATION</b>			
<b>Year and semester of studies</b>	I year, I semester	<b>Number of ECTS credits</b>	3
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)		9 (9 e-learning)	0,4
Seminar (S)			
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)		21	0,9
Work placement (WP)			
<b>Unassisted student's work</b>			
Preparation for classes and completions		45	1,7

<b>3. COURSE OBJECTIVES</b>	
C1	Skills of basic and advanced life support.
C1	Knowledge on diagnosis and treatment of acute diseases in common emergency situations.

**4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING** (concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)

<b>Code and number of effect of learning in accordance with standards of learning</b> <i>(in accordance with appendix to the Regulation of Minister of Science and Higher Education from 26th of July 2019)</i>	<b>Effects in time</b>
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**Knowledge – Graduate\* knows and understands:**

E.W4.	principles of care with the victims of multiple organ injuries;
E.W7.	symptoms of acute abdominal diseases, poisoning, infection and sepsis;
E.W17.	causes and mechanisms of cardiovascular and respiratory arrest and principles of resuscitation and post-resuscitation;
E.W18.	life-threatening conditions;
E.W20.	conditions, when the patient should be referred to hospital.

**Skills– Graduate\* is able to:**

E.U1.	carry out differential diagnosis of the most common diseases;
E.U8.	recognize the risk of life-threatening;
E.U9.	describe and recognize the symptoms of shock and acute heart failure;

\* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

**5. ADDITIONAL EFFECTS OF LEARNING** (non-compulsory)

<b>Number of effect of learning</b>	<b>Effects of learning i time</b>
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**Knowledge – Graduate knows and understands:**

W1	-
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**Skills– Graduate is able to:**

U1	-
<b>Social Competencies – Graduate is ready for:</b>	
K1	-

<b>6. CLASSES</b>		
<b>Form of class</b>	<b>Class contents</b>	<b>Effects of Learning</b>
<i>Lecture 1</i>	Ethical and legal problems in emergency medicine - part 1	E.W17., E.U8.
Lecture 2	Ethical and legal problems in emergency medicine - part 2	17., E.U8.
Lecture 3	Sudden life threats in cardiovascular diseases - part 1.	E.W17., E.W18., E.W20., E.U8., E.U9.
Lecture 4	Sudden life threats in cardiovascular diseases - part 2.	E.W17., E.W18., E.W20., E.U8., E.U9.
Lecture 5	Collapses and fainting. Consciousness disorders in the dental office - part 1.	E.W17., E.W18., E.W20., E.U8., E.U9.
Lecture 6	Collapses and fainting. Consciousness disorders in the dental office - part 2	E.W17., E.W18., E.W20., E.U8., E.U9.
Lecture 7	Environmental emergencies - part 1	E.W17., E.W18., E.W20., E.U8., E.U9.
Lecture 8	Environmental emergencies - part 2	E.W17., E.W18., E.W20., E.U8., E.U9.
Lecture 9	Pharmacotherapy in life-threatening emergencies.	E.W17., E.U8, E.U9.
<i>Practical training 1</i>	Recognition and management of sudden cardiac arrhythmias..	E.W17., EW18., E.U1., E.U8, E.U9.
<i>Practical training 2</i>	Principles of BLS resuscitation. Lateral fixed position .	E.W17., E.W18., E.U1., E.U9.
<i>Practical training 3</i>	ALS and resuscitation in diseases of the cardiovascular system.	E.W17., E.W18., E.U9.
<i>Practical training 4</i>	Emergencies in respiratory diseases.	E.W18., E.W20., E.U1., E.U8.
<i>Practical training 5</i>	Resuscitation in special situations. Rescue a drowning man.	E.W18., E.W20., E.U1., E.U8.
<i>Practical training 6</i>	Life threatening emergencies in digestive system diseases	E.W7., E.W18., E.W20., E.U1., E.U8.

Practical training 7	Hypoglycemia and other acute endocrine life-threatening conditions.	E.W18., E.W20., E.U1., E.U8.
Practical training 8	Treatment of injuries and poisonings.	E.W7., E.W4., E.W18., E.W20., E.U1., E.U8.
Practical training 9-13	Exercises on dummies, use of AED, choking, lateral fixed position (including exercises in the Medical Simulation Center) - part 1	E.W4., E.W17., E.W18., E.W20., E.U1., E.U8., E.U9.
Practical training 14-18	Exercises on dummies, use of AED, choking, lateral fixed position (including exercises in the Medical Simulation Center) - part 2	E.W4., E.W17., E.W18., E.W20., E.U1., E.U8., E.U9.
Practical training 19-21	Exercises on dummies, use of AED, choking, lateral fixed position (including exercises in the Medical Simulation Center) - part 3	E.W4., E.W17., E.W18., E.W20., E.U1., E.U8., E.U9.

## 7. LITERATURE

### Obligatory

1. Textbook of Adult Emergency Medicine, George Jelinek, Anne-Maree Kelly, Anthony F. T. Brown
2. Wytyczne Europejskiej i Polskiej rady Resuscytacji z 2021 roku. [https://www.prc.krakow.pl/wytyczne\\_2021.html](https://www.prc.krakow.pl/wytyczne_2021.html)  
Podstawy resuscytacji oddechowo-kръżeniowej. Aktualny stan wiedzy. Pod redakcją D.A. Kosiora, T. Łazowskiego, P. Pruszczyka. Termedia 2016

### Supplementary

Textbook of Paediatric Emergency Medicine, Peter Cameron, George Jelinek, Ian Everitt, Gary J. Browne, Jeremy Raftos

## 8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
e.g. G.K1, G.S1, K1	<i>This field defines the methods used for grading students e.g. pop quiz, test, written report etc.</i>	e.g. threshold number of points
E.W4., E.W7., E.W17., E.W18., E.W20., E.U1., E.U8., E.U9.	Attendance at all seminars and exercises. If student is absent on more than 1 seminary, then handwritten essay is demanded on the missed topic. Omitted exercise should be worked off with the assistant.  Practical exam with the assistant.  Summary test.	At least 60% correct answers on the summary test.

## 9. ADDITIONAL INFORMATION *(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)*

Classes are held according to the schedule of the Dean's Office in the seminar room of the Clinic (ul. Lindleya 4, pavilion 3, second floor). Lectures in the place indicated in the schedule in the autumn and winter semester or using distance learning techniques. Attendance at all exercises is mandatory. One excused absence is allowed, subsequent absences must be completed by preparing a presentation on a given topic and/or making up for classes with another group.

Classes are passed on the basis of attendance and a test which takes place on the last day of the classes at the Clinic.

Classes are also held at the Medical Simulation Center according to the schedule of the Dean's Office at CSK WUM ul. Banacha 1a, block C, ground floor.

Before starting classes, students leave their outer clothing in the cloakroom for students of the Clinic. In case of unfavorable weather conditions, students are obliged to change their shoes. Aprons are not required.

At the clinic, there is a student scientific club with a cardiological profile - tutor dr hab. Piotr Bienias, MD

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