



Syllabus 2019/2020														
Description of the course														
Module/Course	Crisis Resource Management (Classes in Simulated Conditions)								Group of detailed education results					
									Group code B, D, E, F	Group name The scientific basis of medicine Social and behavioral sciences Non-interventional clinical sciences Interventional clinical sciences				
Faculty	Medicine													
Major	medicine													
Specialties	Not applicable													
Level of studies	Uniform magister 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 <input type="checkbox"/> part-time													
Year of studies	IV-V							Semester	X Winter or X Summer					
Type of course	<input type="checkbox"/> obligatory <input type="checkbox"/> limited choice X free choice / elective													
Course	<input type="checkbox"/> 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														
Form of education														
Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister 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 of Medical Simulation							30							
Summer Semester														



Department of Medical Simulation							30							
TOTAL per year:														
Department of Medical Simulation							30							
Educational objectives (max. 6 items) C1. Understanding the causes of medical errors. C2. Gaining the ability of team management and decision making in crisis. C3. Developing communicative skills and understanding the principles of communication. C4. Gaining the ability of effective resource management in crisis. C5. Gaining the ability of multidisciplinary teamwork. C6. Gaining the ability of self-assessment: recognition of limitations, lack of knowledge, and educational needs.														
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 summarising)					Form of didactic class <i>**enter the abbreviation</i>		
K 01	B.W25.	knows the functions and control mechanisms of human organs and systems including circulatory, respiratory, and urinary system, skin, and understands the existing correlations					continuous assessment – monitoring of knowledge use					CSC		
K 02	B.W30.	knows the correlation between the factors disturbing the balance in vital processes and physiological changes and pathophysiological abnormalities					continuous assessment – monitoring of knowledge use					CSC		
K 03	D.W14. E.W6. E.W38–40. F.W1–3. F.W6. F.W7. F.W10.	is able to explain the most common causes of medical errors					continuous assessment – monitoring of knowledge use					CSC		
K 04	D.W15.	is able to describe the crucial aspects of team management and decision making in crisis					continuous assessment – monitoring of knowledge use					CSC		
K 05	D.W15.	understands the principles and importance of verbal and non-verbal communication					continuous assessment – monitoring of knowledge use					CSC		
S 01	B.U7.	is able to describe physiology changes caused by homeostasis imbalance, especially integrated body response to physical effort, high and low temperature exposure, blood and fluids loss, rapid change of body position to vertical, awakening					continuous assessment – monitoring of skill management					CSC		



S 02	D.U11.	is able to communicate with team members using feedback and supportiveness	continuous assessment – monitoring of skill management	CSC
S 03	D.U15.	is able to work as a team member responsible for timing and correctness of managed tasks, is able to lead the team through common tasks	continuous assessment – monitoring of skill management	CSC
S 04	D.U16.	is able to recognise self-limitations, to analyse deficiencies and educational needs, to plan educational self-activity	continuous assessment – monitoring of skill management	CSC
S 05	E.U16. E.U24. E.U28–30. F.U10. F.U11.	is able to utilise resources effectively	continuous assessment – monitoring of skill management	CSC
S 06	E.U3–4. E.U7. E.U14. E.U24. E.U32.	is able to recognise the need for expert help and call for it	continuous assessment – monitoring of skill management	CSC
S 07	E.U32.	is able to work in a multi-specialised medical team	continuous assessment – monitoring of skill management	CSC

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister 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

Forming attitudes: 5

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	30
2. Student's own work (self-study):	9
Total student's workload	39
ECTS points for module/course	1,5
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

1.

Seminars

1.

Practical classes

1. Crisis resource management (CRM). Why we do err? Non–technical skills and human factors.
2. Assessment of the patient in emergency. Advanced life support.



<p>3. Asthma attack and anaphylaxis – medical simulation with team debriefing.</p> <p>4. Life-threatening heart rhythm disturbances – medical simulation with team debriefing.</p> <p>5. Septic shock – medical simulation with team debriefing.</p> <p>6. Emergencies in pregnancy – medical simulation with team debriefing.</p> <p>7. Acute coronary syndrome – medical simulation with team debriefing.</p> <p>8. Hypovolemic shock – medical simulation with team debriefing.</p> <p>9. Trauma – medical simulation with team debriefing.</p> <p>10. Hypothermia – medical simulation with team debriefing.</p>	
<p>Other</p> <p>1.</p> <p>etc. ...</p>	
<p>Basic literature (list according to importance, no more than 3 items)</p> <p>1. Kohn LT, Corrigan JM, Donaldson MS; Committee on Quality of Health Care in America. To Err Is Human: Building a Safer Health System. Washington, DC: National Academy of Sciences, Institute of Medicine, National Academy Press; 2000. ISBN: 0-309-51563-7.</p> <p>2. Reason J. Human error: models and management. BMJ. 2000; 320:768–70.</p> <p>3. Rall M, Dieckmann P. Errors in medicine, patient safety and human factors. Euroanaesthesia 2005; Vienna, Austria, 28-31 May 2005.</p>	
<p>Additional literature and other materials (no more than 3 items)</p> <p>1. The European Resuscitation Council Guidelines for Resuscitation 2015</p> <p>2. Advanced Life Support – ERC course manual</p> <p>3. European Trauma Course – course manual</p>	
<p>Didactic resources requirements (e.g. laboratory, multimedia projector, other...)</p> <p>Fully equipped Emergency Department room or Operating Theatre with high-fidelity adult manikin, adult manikin w/t trauma kit, pregnant manikin, individual precautions (aprons and gloves), fully equipped control room, fully equipped debriefing room.</p>	
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course)</p> <p>Knowledge of cardiac arrest in special circumstances (The European Resuscitation Council Guidelines for Resuscitation 2015).</p>	
<p>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).</p> <p>Attendance to the limit of 10% excused absences. Excused absences should be re-taken by presentation prepared on agreed with teacher topic. Each absence must be made up, including rector's days or dean's hours.</p> <p>Class credit – passing the continuous assessment (activeness, knowledge, and presentation of acquired skills).</p>	
Grade:	Criteria for course
Very Good (5.0)	presents skills (5/5): 1) task management, 2) situation awareness, 3) team leadership, 4) skilful resources' utilization, 5) effective communication with team members and experts
Good Plus (4.5)	presents skills (4/5): 1) task management, 2) situation awareness, 3) team leadership, 4) skilful resources' utilization, 5) effective communication with team members and experts
Good (4.0)	presents skills (3/5): 1) task management, 2) situation awareness, 3) team leadership,



	4) skilful resources' utilization, 5) effective communication with team members and experts
Satisfactory Plus (3.5)	presents skills (2/5): 1) task management, 2) situation awareness, 3) team leadership, 4) skilful resources' utilization, 5) effective communication with team members and experts
Satisfactory (3.0)	presents skills (1/5): 1) task management, 2) situation awareness, 3) team leadership, 4) skilful resources' utilization, 5) effective communication with team members and experts
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 unit teaching course:	Department of Medical Simulation
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Person responsible for course:	Dr. Piotr Koleda
Phone	0048 71 784 1950
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List of persons conducting specific classes:	degree/scientific or professional title	Discipline	Performer profession	Form of classes
Piotr Koleda	MD, PhD	Medical and health sciences / Medical sciences	paediatric surgery specialist	classes in simulated conditions

Date of Syllabus development

July 11th, 2019

Syllabus developed by

Signature of Head of teaching unit

Signature of Faculty Dean
Wrocław Medical University
OF MEDICINE
VICE-DEAN FOR STUDIES IN ENGLISH
Prof. Andrzej Hendrich, PhD

