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Syllabus for academic year: 2021/2022													
Training cycle: 2021-2026													
Description of the course													
Course	Medical first aid								Group of detailed education results				
									Group code	Group name			
									E	GENERAL CLINICAL SCIENCES (NON-SURGICAL)			
Faculty	Dentistry												
Major	dentistry												
Level of studies	X uniform magister studies												
Form of studies	X full-time x part-time												
Year of studies	I							Semester:	xwinter				
Type of course	X obligatory												
Language of study	X English												
Number of hours													
Form of education													
	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)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Chair and Clinic of Anesthesiology and Intensive Therapy													
Direct (contact) education ¹		5					25						
Distance learning ²													
Summer semester:													
.....													
(Unit realizing the course)													
Direct (contact) education													

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Distance learning														
TOTAL per year:														
Chair and Clinic of Anesthesiology and Intensive Therapy														
Direct (contact) education		5					25							
Distance learning														
Educational objectives														
C1. Objectives of teaching the subject:														
C2. Deepening knowledge about first aid.														
C3. Preparing the student to perform the cardiopulmonary resuscitation independently														
C4. Preparing the student for first aid in a life-threatening condition.														
C5. Preparing the student to perform basic nursing procedures.														
Education result for course in relation to verification methods of the intended education result and the type of class:														
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>						
E.W4.	the principles for dealing with victims suffering from multiple organ injuries						Oral response/test	SE/CSC						
E.W5	the principles of organisation of rescue operations in disasters and accidents, the phases of rescue operations and the scope of provision of aid to the victims						Oral response/test	SE/CSC						
E. W17	the causes and mechanisms of circulatory and respiratory arrest and the principles of resuscitation and post-resuscitation management						Oral response/test	SE/CSC						
E.W18	life-threatening situations						Oral response/test	SE/CSC						
E. W20	the cases where the patient should be referred to a hospital						Oral response/test	SE/CSC						
E. U8	recognise life-threatening risks						Oral response/test	CSC						
E. U9	describe and recognise symptoms of shock and acute circulatory failure						Oral response/test	CSC						
E. U20	perform basic medical procedures: temperature measurement, pulse measurement, noninvasive blood pressure measurement, oxygen therapy, assisted and artificial respiration, oropharyngeal tube insertion, preparation of the surgical field, hygienic and surgical hand disinfection, intravenous, intramuscular and subcutaneous injections, collection of peripheral venous blood, collection of nasal, throat and skin swabs, simple strip tests, blood glucose measurement.						Oral response/test	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:	30
2. Number of hours of distance learning:	
3. Number of hours of student's own work:	
4. Number of hours of directed self-study	
Total student's workload	30
ECTS points for course	4

Content of classes:

Seminars: (5hours)

1. Life threatening conditions.
2. Cardiac arrest. Current European Guidelines-adults and pediatric.
3. Shock –definition, recognition, treatment.
4. Bleeding- diagnosis, management.
5. The risk dental practice.

Practical classes (25 hours)

1. Acute life threatening conditions-definition. Organizing and providing first aid.
2. Sudden cardiac arrest: Adult basic life support and automated external defibrillation.
3. Unconscious patient. Causes of unconsciousness, diagnosis and management.
4. Basic and advanced airway management.
5. Adult BLS sequence-phantoms activities.
6. Adult BLS sequence-phantoms activities.
7. The use of automatic defibrillators (AED) and hospital defibrillators –exercises on phantoms.
8. Sudden cardiac arrest: Pediatric life support.
9. Pediatric BLS sequence-phantoms activities.
10. Pediatric BLS sequence-phantoms activities.
11. Foreign body airway obstruction (choking).
12. Management in case of external and internal bleeding, in superficial injuries, putting on dressings.
13. Shock –definition, recognition, treatment.
14. Soft tissues injuries –prehospital first aid.
15. Injuries –head, thorax, abdominal cavity.
16. Bone fractures and joint damage - diagnosis, procedure, principles of immobilization of long bone fractures.
17. The position of the patient in various pathological conditions.
18. Thermal and chemical injuries.
19. Drowning, electric shock, hanging.
20. Poisonings - diagnosis, first aid, examples of antidotes.
21. Monitoring of vital functions -basic and advanced. The care for patient- basic rules (toilet, feeding).



22. Injections - types of needles, preparation, precautions, types of injections (intradermal, subcutaneous, intramuscular, intravenous).
23. Intravenous infusions - solutions for infusions, preparation of drip infusion, intravenous catheters (cannulas), putting on the peripheral catheter, care of the puncture site. The rules of catheterisation of the urinary bladder. The principles of extracting secretions from the respiratory tract in a patient with artificial respiratory tract.
24. OIT visit.
25. Final test.

Basic literature

1. ERC 2021 Guidelines for Adult Basic Life support and Paediatric Basic Life support.
2. Oxford Handbook of Accident and Emergency Medicine, IV Edition 2018, Oxford

Additional literature and other materials

1. Handbook of First Aid and Emergency Care, Revised Edition. AMA , Leikin JB, Feldman BJ. Random House, USA, 2013.

Preliminary conditions:

Basic knowledge of anatomy and physiology

Conditions to receive credit for the course:

The condition for obtaining credit for the course is a positive result of the final test (covering the scope of seminars and exercises) and attendance at all classes in accordance with the regulations of studies. Each absence must be made up, including rector days and dean's hours - the way and form of doing the classes after prior arrangement with a teaching adjunct. Completion of classes - single-choice credit test. Assessment is made in direct contact with an academic teacher or using electronic means of communication.

	Criteria for courses ending with a credit³
Credit	Positive result (60%) of the final test – single- choice test

Unit realizing the course:	Chair and Clinic of Anesthesiology and Intensive Therapy
Unit address:	Borowska 213 Street
Telephone:	71 733 23 10
E-Mail:	kai@umed.wroc.pl

Person responsible for the course:	Waldemar Goździk MD, Ph.D
Telephone:	71 733 23 10
E-Mail:	waldemar.goździk@umed.wroc.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Magdalena Kośmider - Żurawska	MD		MD	CSC, SE



Marek Wełna	Ph.D	Medicine	MD	CSC, SE
Anna Kupiec	Ph.D	Medicine	MD	CSC, SE

Date of Syllabus development

18.06.2021

Syllabus developed by

Barbara Barteczko-Grajek MD, Ph.D.

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ
LEKARSKO-STOMATOLOGICZNY
DZIEKAN

prof. dr hab. Marcin Mikulewicz

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

Uniwersytet Medyczny we Wrocławiu
KATEDRA I KLINIKA ANESTEZJOLOGII
I INTENSYWNEJ TERAPII

dr hab. n. med. Waldemar Goździk, prof. nadzw

