

**SYLLABUS**  
**concerning the cycle of education 2019-2025**

(date range)

**1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE**

Subject / Module	<b>First Medical Assistance</b>
Course code / module *	<b>PPM/F</b>
Faculty of (name of the leading direction)	<b>Medical Faculty, University of Rzeszów</b>
Department Name	<b>Department of Emergency Medicine, Medical Faculty, University of Life Sciences</b>
Field of study	<b>Medical</b>
Level of education	<b>Uniform master studies</b>
Profile	<b>General academic</b>
Form of study	<b>Stationary/non-stationary</b>
Year and semester	<b>Ist year, 2nd semestr</b>
Type of course	<b>Obligatory</b>
Coordinator	<b>dr n. med. Marek Wojtaszek</b>
First and Last Name of the Teacher	<b>Dr Dorota Ozga Mgr Grzegorz Kucaba dr n. med. Marek Wojtaszekmgr Krystyna Woźniak dr n. med. Elżbieta Mach-Lichota Mgr Małgorzata Migut</b>

\* - According to the resolutions of the Faculty of Medicine

**1.2. Forms of classes, number of hours and ECTS**

Lecture	Exercise	Conversation	Laboratory	Seminar	ZP	Practical	Self-learning	Number of points ECTS
15	15	-	-	-	-	-	-	1

**1.3. The form of class activities**

☒classes are in the traditional form

☐classes are implemented using methods and techniques of distance learning

**1.4. Examination Forms / module (exam, credit with grade or credit without grade)**

FORMA COURSE / MODULE (SUBMISSION) COURSES (LECTURES - ORAL OR WRITTEN FINAL EXAM, TUTORIALS - CREDIT WITH ASSESSMENT INCLUDING: STUDENT'S SKILLS, ATTENDANCE AT CLASSES.

## 2. REQUIREMENTS

Basic knowledge of anatomy and physiology
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## 3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS

### 3.1. Objectives of this course/module

C1	
C1	Familiarization with the principles of cardiopulmonary resuscitation in adults and children, including: <ul style="list-style-type: none"><li>• assessment of the unconscious victim</li><li>• medical help challenges</li><li>• placing the victim in a safe position</li><li>• chest compressions</li><li>• performing rescue breaths using the mouth-to-mouth, mouth-to-nose technique, using a pocket mask and a self-expanding bag</li><li>• operating an automatic external defibrillator</li></ul>
C2	Acquainting with the rules of first aid in life-threatening situations
C3	Developing basic practical skills and ethical attitudes necessary to provide patient care

### 3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

EK (the effect of education)	The content of learning outcomes defined for the class (module)	
EK_01	He knows the current guidelines for cardiopulmonary resuscitation of newborns, children and adults;	F.W7.
EK_02	knows the principles of functioning of the integrated state medical emergency system	F.W8.
EK_03	Applies to the principles of asepsis and antisepsis;	F.U3.
EK_04	Assumes peripheral puncture	F.U5.
EK_05	Performs basic resuscitation procedures using an automatic external defibrillator and other rescue operations and provides first aid;	F.U10.
EK_06	Performs basic procedures and medical procedures, including: A) body temperature measurement, heart rate measurement, non-invasive blood pressure measurement, B) monitoring of vital signs using a cardiomonitor, pulse oximetry, C) spirometry test, oxygen treatment, assisted and replacement ventilation,  D) introduction of the oropharyngeal tube,	E.U29.

	<p>E) intravenous, intramuscular and subcutaneous injections, peripheral vein cannulation, peripheral venous blood collection, blood cultures collection, arterial blood sampling, arterialized capillary blood collection,</p> <p>F) collecting swabs from the nose, throat and skin, puncture of the pleural cavity,</p> <p>G) catheterization of the bladder in men and women, probing the stomach, gastric lavage, enema,</p> <p>H) standard resting electrocardiogram with interpretation, electrical cardioversion and heart defibrillation,</p> <p>I) simple strip tests and blood glucose measurement;</p>	
EK_07	Retrieves material for tests used in laboratory diagnostics;	E.U28.

### 3.3 CONTENT CURRICULUM (filled by the coordinator)

#### A. Lectures

##### Course contents

Course contents
Basic vital parameters, non-invasive monitoring, ECG, gasometric test, pulse oximetry, capnography
Selected nursing procedures, injections i.m., i.v., s.c, drip intravenous infusion, blood sampling.
ERC 2015 Guidelines
BLS AED in adults and children
Emergencies of cardiological and respiratory neurological origin.

#### B Problems of exercises

Course contents
Proceedings with an unconscious victim, assessment of the victim according to the ABC scheme, safe position, calling for medical assistance, foreign body.
Techniques without instrumental airway clearance Assisted ventilation: mouth-to-mouth / nose, pocket mask, self-expanding bag with mask

Technique for chest compressions. The technique of cardiopulmonary resuscitation in adults and children - BLS, BLS AED
Evaluation of basic life parameters - practical exercises (injections i.m., i.v., s.c, drip intravenous infusion, blood collection for tests, gasometric test, pulse oximetry

### **3.4 TEACHING METHODS**

## **4 METHODS AND EVALUATION CRITERIA**

### **4.1 Methods of verification of learning outcomes**

Symbol of effect	Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes)	Form of classes
EK_01-07	Final test written descriptive form	W
EK_01-07	Completed OSCE (Objective Structured Clinical) Examination - a standardized assessment of skills in simulated conditions	CW

### **4.2 Conditions for completing the course (evaluation criteria)**

**Final written test from lectures:**

**Knowledge assessment (EK\_01, EK\_02):**

**5.0 - has knowledge of each of the contents of education at the level of 90% -100%**

**4.5 - has knowledge of each of the content of education at the level of 84% -89%**

**4.0 - has knowledge of each of the education content at the level of 77% -83%**

**3.5 - has knowledge of each of the content of education at the level of 70% -76%**

**3.0 - has knowledge of each of the content of education at the level of 60% -69%**

**2.0 - has knowledge of each of the contents of education below 60%**

**Skill assessment (EK\_03-EK\_07):**

**By. regulations for passing the OSCE from the subject - practical part.**

**5. Total student workload required to achieve the desired result in hours and ECTS credits**

Activity	Hours / student work
Hours of classes according to plan with the teacher	30
Preparation for classes	2
Participation in the consultations	1
The time to write a paper / essay	-
Preparation for tests	2
Participation in colloquia	1
Other (e-learning)	-
<b>SUM OF HOURS</b>	<b>36</b>
<b>TOTAL NUMBER OF ECTS</b>	<b>1</b>

**6. TRAINING PRACTICES IN THE SUBJECT / MODUL**

Number of hours	
Rules and forms of apprenticeship	

**1. LITERATURE**

<b>Textbook: TBD</b>

Acceptance Unit Manager or authorized person