



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Pre-medical help

### Course

Field of study

Safety Engineering

Area of study (specialization)

---

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

10

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

Adam Górny, Ph.D., Eng.

e-mail: adam.gorny@put.poznan.pl

Responsible for the course/lecturer:

mgr Paweł Pawlik

e-mail: pawel.pawlik@paab.pl

PAAB, Wielkopolski Instytut Kształcenia

Przedmedycznego,

ul. Szmaragdowa 8, 62-020 Swarzędz

### Prerequisites

The student is aware of the need to provide first aid for victims of accidents before the arrival of emergency services.

### Course objective

Acquiring knowledge and practical skills in providing premedical first aid in situations of hazarding for human life and health and developing correct social attitudes in providing first aid.

Shaping sensitivity and the need for rapid response in situations of hazards for human life or health.

Preparation for the correct interpretation and understanding of knowledge about the essence of providing first aid, health and life hazarding conditions, as well as the principles and standards of providing.



Shaping the attitude of students to deepen and update rescue knowledge and improve first aid skills.

Promoting and popularizing knowledge and skills in the field of pre-medical first aid.

### Course-related learning outcomes

#### Knowledge

- knows the issues of technical safety, health and safety and hazards and their consequences, which can generate consequences requiring medical assistance to victims,
- knows the issues regarding requirements (including legal requirements) related to first aid,

#### Skills

- is able to indicate the requirements that determine the organization's needs in terms of the availability of equipment necessary to provide premedical first aid,
- is able to provide first-aid, taking actions adequate to the nature of the situation and severity of injuries,

#### Social competences

- is aware of the need to have current knowledge necessary to solve existing problems and take appropriate actions,
- is aware of the responsibility for his own work and is ready to comply with the principles of team work and to bear responsibility for jointly performed tasks.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

#### Formative assessment:

- in the scope of training: based on ongoing assessment of tasks carried out,

#### Summative rating:

- in the field of practical knowledge: average rating of partial grades obtained during training,
- in theoretical knowledge: a test checking knowledge.

### Programme content

Legal aspects of providing first aid. Rules for using Automatic External Defibrillators (AEDs). Chain of survival. In Case of Emergency' system (I.C.E.). Use of protective barriers. Check of safety and approach to the injured party. Checking the victim's consciousness. Call for help. Check of airway patency. Checking the victim's breath. Call for professional medical services. Algorithm of dealing with unconscious and non-breathing victims (performing Cardiopulmonary Resuscitation - CPR, for adults, children and infants). Algorithm for dealing with the unconscious and breathing victims (traumatic and non-traumatic). Choking procedure. Treatment of bleeding and wounds. Injuries management (upper and lower limb immobilization). Evacuation of the injured person from the scene of the accident (Rautek's hand). Pulling the injured person out of the vehicle. Emergency procedures: burns, shock, convulsions, heart attack, fainting, intoxication, diabetes, stroke and others. Handling of first aid kit.



## Teaching methods

During the classes used:

- method of demonstration (i.e. presentation of practical phases) with explanation of the mechanism of action (understood as a detailed discussion of the method of conduct),
- workshop method, including a short lecture, behavior pattern and skills training,
- situational method, associated with the analysis of cases (practical situations are analyzed, the analysis involves detailed consideration of a specific event). Students make decisions and of several possible solutions, based on the expected result, choose the best one.

## Bibliography

Basic

1. Witt M., Dąbrowska A., Dąbrowski M. (red.). (2014), Ratownictwo medyczne. Kwalifikowana pierwsza pomoc. Wydawnictwo naukowe Uniwersytetu Medycznego im. Karola Marcinkowskiego w Poznaniu.
2. Resuscitation guidelines from 2015, ILCOR.

Additional

1. Andres J. (red.), (2011), Pierwsza Pomoc i resuscytacja krążeniowo-oddechowa. Podręcznik dla studentów (wyd. III), Wydawnictwo Polskiej Rady Resuscytacji, Kraków.
2. Goniewicz M. (2012, Pierwsza Pomoc. Podręcznik dla studentów. Wydawnictwo Lekarskie PZWL, Warszawa.

## Breakdown of average student's workload

	Hours	ECTS
Total workload	10	1,0
Classes requiring direct contact with the teacher	10	1,0
Student's own work <sup>1</sup>	0	0,0

<sup>1</sup> delete or add other activities as appropriate