



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

full-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

15

Tutorials

Projects/seminars

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

Ph.D., Eng. Adam Górny,

Mail to: adam.gorny@put.poznan.pl

Faculty of Engineering Management

ul. J. Rychlewskiego 2,

60-965 Poznań

Responsible for the course/lecturer:

MSc., Paweł Pawlik

Mail to: pawel.pawlik@paab.pl

PAAB, Greater Poland Institute of Premedical
Education,

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

- He knows the issues of technical safety, safety systems, occupational health and safety as well as threats and their effects [P6S_WG_02].

Skills

- He can prepare the necessary resources for work in an industrial environment and knows the safety rules related to this work and can enforce their application in practice [P6S_UW_05].

Social competences

- Is aware of the recognition of the importance of knowledge in solving problems in the field of safety engineering and continuous improvement [P6S_KK_02].

- Is aware of the responsibility for their own work and readiness to submit to the rules of teamwork and responsibility for jointly performed tasks [P6S_KR_02].

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.

- programmed text (a program as a sequence of logically and substantively related doses of information - displayed using a computer or a programmed manual, where each dose ends with a question, answer and feedback) - used in programmed teaching, e-learning; method in expansion in connection with the development of the Internet; Currently, the programmed method is a "hybrid" containing elements of both feeding methods and exercises.

- a lecture (a lecturer's conversation with students in the form of questions on his part and students' answers: informative, refresher, control and presenting new news).

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 2021, 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	25	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work ¹	10	0,5

¹ delete or add other activities as appropriate