

1.	<b>Field of study</b>	<b>Medical Physics</b>
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2025/2026 (winter term)
4.	Level of qualifications/degree	first-cycle studies (in engineering)
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	<b>General information about the module</b>	
<b>Module name</b>		<b>First Aid</b>
Module code		W4-FM-S1-2-23-14
Number of the ECTS credits		2
Language of instruction		Polish
Purpose and description of the content of education		<p>The information provided in the workshop includes:</p> <p>Definition of immediate life-threatening condition, symptoms, and consequences.</p> <p>The role of time, body temperature, and environment in rescue capabilities and outcomes after cardiopulmonary resuscitation.</p> <p>Concept of resuscitation and reanimation, their origin, scope, and significance.</p> <p>Emergency medical services system in Poland, responsibilities of the state and citizens.</p> <p>The concept of the golden hour, chain of survival, procedures for mass incidents, principles of triage at the scene.</p> <p>Safety principles for the injured and rescuers.</p> <p>Selected life-threatening conditions in children and adults, such as out-of-hospital childbirth, neonatal asphyxia, febrile seizures, laryngitis and laryngotracheitis in children, myocardial infarction, shock patients, fainting, unconscious patients, risk of aspiration, airway obstruction, preventive methods.</p> <p>Recovery position, its execution, monitoring, and hazards.</p> <p>Basic rights of the injured during resuscitation.</p> <p>Limits of resuscitation.</p>
List of modules that must be completed before starting this module (if necessary)		not applicable

8.	<b>Learning outcomes of the module</b>		
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)
E1	Can assess the condition of a critically injured person and evaluate further risks, applying necessary safety measures for both the rescuer and the injured in specific conditions of providing first aid.	IK01 IK03 IU01 K05 U03	4 4 4 4 4
E2	Is familiar with accompanying symptoms of life-threatening conditions in different age groups.	IK03	3

		W02	3
		W04	3
E3	Can conduct an examination to determine the overall condition of the injured person within the required timeframe.	IK03	3
		IU01	3
		K05	3
		U03	3
		U04	3
E4	Can perform maneuvers to clear the airways, protect the cervical spine, and protect the injured person from hypothermia.	IK03	4
		IU01	4
		K05	4
		U03	4
		U04	4
E5	Knows the procedure and method of notifying emergency services (location of the incident, type of incident, extent of damage, number of casualties, general condition of the injured).	IK01	5
		IK03	5
		K05	5
		W01	5
		W02	5
E6	Can apply basic life-saving techniques such as artificial respiration and chest compressions, and is familiar with the sequence of actions for different age groups: newborn, child, adult.	IK03	4
		K05	4
		W02	4
		W04	4
		W05	4
E7	Knows the principles of operation, indications for use, and has the ability to use an automated external defibrillator (AED).	IW01	4
		W03	4
E8	Knows the procedures for unconscious patients, prevention of airway obstruction, and aspiration.	W02	4

9. Methods of conducting classes		
Code	Category	Name (description)
a03	Lecture methods / expository methods	Description <i>a description of objects, phenomena, processes or people; it involves specifying the structure and characteristic features of the object, phenomenon, or process being described; it is usually accompanied by a demonstration of the described object or by its models, drawings, tables, charts, etc.; a description may take the form of an explanation, classification, justification or comparison</i>
b04	Problem-solving methods	Activating method – discussion / debate <i>an exchange of views supported by substantive arguments leading to a clash of different views, a compromise or the identification of common positions; it proceeds according to previously agreed-upon rules regarding the time, manner and turn-taking as well as the principles of civil discourse; a discussion is not a competition but aims at finding the best solutions</i>

		or presenting different points of view; its varieties include brainstorming, Oxford-style debate, panel discussion, decision tree, conference discussion; a debate is an orderly dispute between supporters and opponents of a viewpoint, usually specialists in the field or pre-selected representatives of a group dealing with a common problem
b07	Problem-solving methods	Activating methods: a case study a comprehensive description of a phenomenon connected with the selected discipline; reflecting the reality, presenting the 'what', 'where' and 'how' of the phenomenon, i.e., all of its key aspects to be discussed in class; used as a reproduction, presentation, discussion or diagnosis of factors that shape the phenomenon or interact with it; an in-depth qualitative analysis and evaluation of a selected phenomenon
c06	Demonstration methods	Demonstration-imitation a presentation of a model way of performing specific activities accompanied by a commentary; it aims at triggering imitation activities in an individual or in a group of participants observing the activities of the person teaching the course until the right habit is formed through regular exercise; the demonstration-imitation method is combined with a physical practice of activities/behaviours
d01	Programmed learning methods	Working with a computer e.g., Webquest; implementation of educational tasks using electronic and digital devices, computer programs and Internet applications; the academic teacher acts as a consultant; students' work is carried out step by step according to the plan laid own by the person teaching the course and following his instructions, and proceeds towards producing the indicated results within the set deadline
e07	Practical methods	Simulation an indirect method; imitating reality in order to gain experience approximating a real one; recreating a real-world situation so that its participant can acquire an experience close to the authentic one; work on "replacement" material

10. Forms of teaching					
Code	Name	Number of hours	Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
FZ1	workshop	15	course work	E1, E2, E3, E4, E5, E6, E7, E8	a03, b04, b07, c06, d01, e07

11. The student's work, apart from participation in classes, includes in particular:			
Code	Category	Name (description)	Is it part of the BUNA?
a02	Preparation for classes	Literature reading / analysis of source materials reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class	No
a03	Preparation for classes	Developing practical skills activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)	Yes
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content reading through the syllabus and getting acquainted with its content	Yes
c03	Preparation for verification of learning outcomes	Implementation of an individual or group assignment necessary for course/phase/ examination completion a set of activities aimed at performing an assigned task, to be executed out of class, as an obligatory phase/element of the verification of the learning outcomes assigned to the course	Yes