



Subject card

Subject name and code	Basics of emergency medicine for engineers, PG_00061794						
Field of study	Automation, Robotics and Control Systems						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2024/2025		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Katedra Biomechatroniki -> Faculty of Electrical and Control Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Grzegorz Redlarski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	20.0	0.0	10.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		5.0		40.0	75
Subject objectives	Learning the rules of practical conduct in situations of sudden threat to the health and/or life of infants, children and adults, and requiring quick and decisive intervention, until the arrival of a specialized medical rescue team.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
Subject contents	Rules of conduct at the scene of the incident: home, public place, work environment (safety rules, division of tasks - calling for help, starting rescue operations). Cardiopulmonary resuscitation (CPR) exercises on phantoms in infants, children and adults (cardiac cessation). Rules for using the AED defibrillator. Exercises on phantoms covering other first aid cases: choking, drowning, drowning and hypothermia, electric shock.						
Prerequisites and co-requisites	Lack.						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Practical exercises on phantoms		60.0%		100.0%		
Recommended reading	Basic literature		Wytuczne resuscytacji 2021, Polska Rada Resuscytacji, Kraków 2021 (in Polish).				
	Supplementary literature		Inżynieria Biomedyczna, Ryszard Tadeusiewicz, wydawnictwo AGH, Kraków 2008 (in Polish)				
	eResources addresses		Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	<div>1. What to do if a family member loses consciousness at home</div> <div>2. What to do if a person loses consciousness in a public environment in the face of other people brawling</div> <div>3. What to do in the event of moderate choking by a child or adult in a safe work environment</div> <div>4. What should be done in a situation of choking of an adult person, with simultaneous loss of consciousness and cessation of circulation and inability to remove the object of choking</div> <div>5. What activities should be performed with a drowned person in winter conditions - with a person who fell into an ice hole and was pulled out after some time</div> <div>6. Principles of first aid to a person who was electrocuted</div>						
Work placement	Not applicable						