



Subject card

Subject name and code	Selected aspects of orthopaedics, PG_00023325						
Field of study	Medical and Mechanical Engineering, Medical and Mechanical Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		Włodzimierz Żychliński				
	Teachers		Włodzimierz Żychliński				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	15.0	15
	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	15	3.0	7.0	25		
Subject objectives	Knowledge of the basics of orthopedics and traumatology in terms of human biomechanics.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K6_W12	Appropriately assesses the need for first aid, immobilization and assisted locomotion.			[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects		
	K6_U10	Correctly evaluates the biomechanics of a healthy and sick person			[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject		
	K6_K02	He ethically approaches the patient and his hardships of life in the personal and social aspect			[SK3] Assessment of ability to organize work [SK2] Assessment of progress of work		
Subject contents	Issues of basic orthopedic diseases, multi-organ trauma, history of orthopedics, principles of operation of the operating block and sterilization room						
Prerequisites and co-requisites	Knowledge of the anatomy of the musculoskeletal system and its biomechanics						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Activity	100.0%			10.0%		
	Test	51.0%			90.0%		

Recommended reading	Basic literature	Chirurgia Narządu Ruchu Tylman Campbells Operative Orthopaedics Choroby układu ruchu Anderson Reumootropedia Sell
	Supplementary literature	Tom 2. Anatomii Człowieka Bochenek Atlas Anatomii Netter Anatomia i Fizjologia Człowieka Pituch
	eResources addresses	
Example issues/ example questions/ tasks being completed	History of orthopedics Anatomy of limbs, spine, Multiple organ trauma Osteoarthritis Construction and use of an orthopedic operating table Operating block, sterilization room	
Work placement	Not applicable	