

Subject card

Subject name and code	Normal Anatomy, PG_00207529						
Field of study	Medical Physics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's 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	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		3.0		
Learning profile	academic		Assessment form		exam		
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Beata Ludkiewicz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	15.0	0.0	0.0	35
	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	35		0.0		40.0	75
Subject objectives	The aim of teaching anatomy is to familiarize students with the structure and topography of human organs in the context of their affiliation with functional systems. Particular attention is paid to the mechanical aspects of their function and the possibility of replacing them with functional prostheses.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[FIZMEDL3_U09] Can communicate effectively with colleagues and other employees, works in a team, including interdisciplinary teams, and manages his/her own and his/her colleagues' time appropriately.		The student can work in a team to solve a given anatomical problem.		[SU3] text preparation/written work		
	[FIZMEDL3_W06] Knows and understands at an advanced level key concepts of human anatomy and physiology, with a particular focus on the physical aspects of biological systems.		The student: Knows the structure of the human body and the fundamental morphological features of individual organs and systems. Demonstrates an understanding of the topographical relationships between them. Uses correct anatomical nomenclature to an appropriate extent.		[SW4] test/exam - oral or written [SW3] text preparation/written work		

Subject contents	Lecture Topics		
	1. Skeletal System: Axial skeleton. Bones of the limbs. Articular system. 2. Muscular System: Muscles of the trunk and limbs. 3. Peripheral Nervous System: Spinal nerve. Nerve plexuses. Nerves of the limbs. 4. Circulatory System: The heart. Major vessels of the trunk and limbs. 5. Thorax: Respiratory system. 6. Digestive System: Alimentary canal. Glands of the digestive system. Hepatic portal system. 7. Urinary and Reproductive Systems. 8. Neck and Head: Sense organs. 9. Central Nervous System. 10. Higher Neural Functions.		
Laboratory Topics	1. Skeletal System: Axial skeleton. Bones of the limbs. Articular system. Muscular System: Muscles of the trunk and limbs. 2. Peripheral Nervous System: Spinal nerve. Nerve plexuses. Nerves of the limbs. 3. Circulatory System: The heart. Major vessels of the trunk and limbs. 4. Thorax: Respiratory system. Mediastinum. 5. Digestive System: Alimentary canal. Glands of the digestive system. Hepatic portal system. 6. Urinary and Reproductive Systems. 7. Head: Cranial cavity. Brain and its meninges. Sense organs.		
Prerequisites and co-requisites	Basic knowledge of biology.		
Assessment methods and criteria			
	Subject passing criteria	Passing threshold	Percentage of the final grade
	written work	51.0%	30.0%
exam	51.0%	70.0%	
Recommended reading	Basic literature	1. Z. Ignasiak: Anatomia układu ruchu. Elsevier Urban & Partner 2006.	
		2. Z. Ignasiak: Anatomia narządów wewnętrznych i układu nerwowego człowieka. Elsevier Urban & Partner 2007.	
	Supplementary literature	not applicable	
eResources addresses			
Example issues/ example questions/ tasks being completed	not applicable		

Work placement	Not applicable
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