University of Gdańsk

Subject card

Subject name and code	Human functional anatomy, PG_00203416						
Field of study	Medical Biology						
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	credit			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Irena Majkutewicz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	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		6.0	39.0		75
Subject objectives	Getting to know the subject, the outline of the history and methods used in anatomy. Getting to know the structure of the human body and the anatomical basis of the functioning of individual systems. The use of Polish and Latin anatomical nomenclature. Understanding the influence of phylogeny on the anatomical structure of the human body.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLMEDL3_W02] has an advanced knowledge and understanding of the structure of the animal or human body, processes and functional relationships at the cellular, tissue, organ and organismal levels, as well as physiological and biochemical processes at an advanced level, and the mechanisms of the pathophysiology of diseases, and explains their relationship with behaviour and the organism's	The student presents the structure of the human body, functional relationships at the organ and organismal level and indicates the features of the structure of organs adapting them to changing environmental conditions (BM_W03)	[SW4] test/exam - oral or written
	[BIOLMEDL3_K06] Is responsible for the equipment/materials entrusted to him and his own work and respects the work of others	- is responsible for the entrusted anatomical specimens and models and respects the one's own work and that of others (BM_K07)	[SK8] observation of student's independent or team work
	[BIOLMEDL3_W04] has advanced knowledge of medical biology and its latest developments, and is familiar with and understands issues related to the role of medical biology in human health care	- knows the terminology of health sciences in the field of anatomy (BM_W07)	[SW4] test/exam - oral or written
	[BIOLMEDL3_U05] reads with understanding scientific texts in Polish and simple texts in English in the field of medical biology; independently searches and uses available sources of information, including electronic sources	- reads and understands scientific texts in Polish and learns anatomical Latin terminology (BM_U06)	[SU4] test/exam - oral or written
	[BIOLMEDL3_U01] is able to use and operate basic research equipment and tools employed in molecular-biochemical analysis or neurobiology and, following the correct sequence of steps, carries out simple physical, biological or chemical observations and measurements in laboratory work in the field of biological or medical sciences	- performs simple observations and physical measurements in the field of biological or medical sciences in the field of human anatomy (BM_U01)	[SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[BIOLMEDL3_W12] is familiar with the principles of occupational safety, health, and ergonomics, as well as the legal, organizational, and ethical considerations involved in the professional practice of a neurobiologist or molecular-biochemical analyst	-is familiar with the health and safety regulations of the anatomy laboratory and the ethical principles regarding work with specimens and bones derived from the human body	[SW4] test/exam - oral or written
	[BIOLMEDL3_W10] has an advanced understanding of the principles of assessing processes and phenomena occurring within the body, using physical or chemical measurements, and possesses advanced knowledge of experimental methods and the key techniques of the biological sciences that may be applied in medical biology and diagnostics	- lists the most important techniques of biological sciences that can be used in Medical Biology and Diagnostics (BM_W16)	[SW4] test/exam - oral or written
	[BIOLMEDL3_K07] The student is able to apply the principles of bioethics in an informed manner and is prepared to carry out honest and reliable academic and professional work	- consciously applies the principles of bioethics (BM_K08)	[SK8] observation of student's independent or team work
Subject contents	An outline of the history and methodology of anatomy. Anatomy of the main functional systems of humans. Structural and functional organization of the musculoskeletal system, cardiovascular, nervous, respiratory, digestive, excretory, reproductive and endocrine systems. Phylogenetic processes that influenced the development of features of human anatomy.		
Prerequisites and co-requisites			

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	The final grade is the arithmetic mean of the grades from all written tests. Passing all organ systems is mandatory (each system is covered by a separate test).	51.0%	100.0%
Recommended reading	Basic literature	Netter F.H. 2006. Atlas anatomii człowieka (Eds Jędrzejewski K.S, Woźniak W.), Urban & Partner, Wrocław. Lewandowska D., Orzeł-Gryglewska J., Jurkowlaniec E. 2019. Fizjologia zwierząt i człowieka, Wydawnictwo Uniwersytetu Gdańskiego, Rozdziały 9.1, 11.1-11.3, 12; dodatek 1 i 3 Gołąb B., Traczyk W. 1997. Anatomia i fizjologia człowieka. Wyd. Ośrodek Doradztwa i Szkolenia, Jaktorów. Sobotta V. 1994. Atlas anatomii człowieka. Wyd. Urban i Partner, Wrocław.	
	Supplementary literature	Narkiewicz O., Moryś J. 2010. Anatomia człowieka, vol I-IV, PZWL, Warszawa. Gołąb B. 1998.Anatomia czynnościowa obwodowego układu nerwowego. Wyd. Czelej, Lublin.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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