



Subject card

Subject name and code	, PG_00056082						
Field of study	Mechanical and Medical Engineering						
Date of commencement of studies	October 2025	Academic year of realisation of subject				2026/2027	
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery				at the university	
Year of study	2	Language of instruction				Polish	
Semester of study	3	ECTS credits				1.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. lek. Janusz Siebert					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	15.0	0.0	0.0	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	0.0		0.0	15	
Subject objectives	<p>The aim of the course is to familiarize students to the examination and basic medical diagnosis of internal diseases, in particular:</p> <p>medical interview; proper examination techniques; correct interpretation of abnormalities found in physical examination; basic knowledge of diagnostics of the diseases listed in the curriculum; principles of differential diagnosis</p>						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U01] is able to acquire knowledge and self-studying, he/she is able to find needed information in specialist books, databases and other sources, he/she is able to integrate information and draw conclusions, he/she is able to communicate by using different technics in work and outside	Student has the habit and skill of continuous furthering his/her educations.			[SU5] Assessment of ability to present the results of task		
	[K6_U09] is able to use basic medical equipment and devices or has knowledge of medical imaging appropriate for the program	Student can use basic diagnostic tools.			[SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_K02] is aware of importance of professional dealing and to fulfill ethics obligations, he/she understands other (nontechnical) abilities of mechanical engineering professional, their influence on the society and security of environment, he/she is aware of importance of social cooperation	Student can build and maintain the contact with the patient based on deep respect. Student shows respect towards the patient and understanding of the ideological and cultural differences.			[SK4] Assessment of communication skills, including language correctness		
Subject contents	<p>Course content – laboratory</p> <p>1. Circulation a. Physical examination b. Most common symptoms c. Coronary heart disease d. Hypertension e. Myocardial infarction f. Heart failure g. Pulmonary embolism h. Deep vein thrombosis 2. Respiratory system a. Physical examination b. Most common symptoms c. Pneumonia d. Bronchitis e. COPD f. Lung cancer 3. Digestive system a. Physical examination b. Most common symptoms c. Pharyngitis d. Diarrhea e. Cholelithiasis f. Peptic ulcer disease g. Crohn disease h. Colon cancer 4. Urinary tract a. Most common symptoms b. Urinary tract infection c. Kidney failure 5. Skin a. Physical examination b. Most common symptoms, pictures 6. Not classified a. Diabetes mellitus b. Thyroid gland diseases c. Osteoporosis</p>						

Prerequisites and co-requisites	Basics of physiology, anatomy and biochemistry		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Term credit	60.0%	100.0%
Recommended reading	Basic literature	1. Materiały z zajęć 2. Andrzej Szczeklik. Choroby wewnętrzne. Przyczyny, rozpoznanie i leczenie. Rok wydania: 2006 r., Wydawca: Medycyna Praktyczna	
	Supplementary literature	1. red. Andrzej Szczeklik i Piotr Grajewski. Kompendium. Choroby wewnętrzne Wydawca: Medycyna Praktyczna Rok wydania: 2009	
	eResources addresses		
Example issues/ example questions/ tasks being completed	-		
Practical activities within the subject	Not applicable		

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