GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00056083		
Field of study	Mechanical and Medical Engineering		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2022/2023
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		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. lek.med. Janusz Siebert	
	Teachers	prof. dr hab. lek.med. Janusz Siebert	

Lesson types and methods of instruction	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						
	Address on the e-learning platform: https://zoom.us/j/2802378282?pwd=TzBxS3RhL1lXdk0vWnEvWkFwWkc3UT09						

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	The aim of the course is to familiarize students to the examination and basic medical diagnosis of internal diseases, in particular: 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

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W12] he/she has basic knowledge in the field of fundamental medical sciences, human body anatomy, and physiology, salvage service	1. possesses the skill of acting in conditions of uncertainty or stress 2. can use diagnostic tools in medicine	[SW3] Assessment of knowledge contained in written work and projects
[K6_K02] he/she is aware of importance of professional dealing and to fulfill ethics obligations, he/she understands other (non-technical) abilities of mechanical engineering professional, their influence on the society and security of environment, he/she is aware of importance of social cooperation	1. can build and maintain the contact with the patient based on deep respect 2. shows respect towards the patient and understanding of the ideological and cultural differences	[SK4] Assessment of communication skills, including language correctness
[K6_U10] he/she is able to assess the human body physic and basic functioning of the body organs, he/she is able to use basic medical knowledge to solve mechanical-medical problems in the scope of the MME study	1. has ability to asses body structure and function	[SU4] Assessment of ability to use methods and tools
[K6_U11] he/she uses basic medical apparatus and devices, he/she applies knowledge related to the visual diagnosis in the scope of the MME study	can use basic diagnostic tools	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_U01] he/she 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	has the habit and skill of continuous furthering his/her educations	[SU5] Assessment of ability to present the results of task

Subject contents

1. Circulation a. Physical examination b. Most common symptoms c. Coronary heart disease d. Hypertension e. Myocardial infarction f. Heart failure g. Pulmonary emboliom h. Deep tein 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

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	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

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Work placement

Not applicable