



## Subject card

|   |  |  |   |                                     |                   |            |     |
|---|--|--|---|-------------------------------------|-------------------|------------|-----|
| Subject name and code                       | , PG_00056083  |  |   |                                     |                   |            |     |
| Field of study                              | Mechanical and Medical Engineering   |  |   |                                     |                   |            |     |
| Date of commencement of studies             | October 2023   |  | Academic year of realisation of subject |                                     | 2024/2025         |            |     |
| 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. Janusz Siebert       |                                     |                   |            |     |
|   | Teachers   |  |   |                                     |                   |            |     |
| 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   |  |   |                                     |                   |            |     |
| 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:<br><br>medical interview;<br>proper examination techniques;<br>correct interpretation of abnormalities found in physical examination;<br>basic knowledge of diagnostics of the diseases listed in the curriculum;<br>principles of differential diagnosis |  |   |                                     |                   |            |     |



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| Learning outcomes  | Course outcome  | Subject outcome  | Method of verification   |
|  | [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               |
|  | [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_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_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<br>2. shows respect towards the patient and understanding of the ideological and cultural differences | [SK4] Assessment of communication skills, including language correctness |
|  | [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<br>2. can use diagnostic tools in medicine   | [SW3] Assessment of knowledge contained in written work and projects     |
| 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 Szczekliki. Choroby wewnętrzne. Przyczyny, rozpoznanie i leczenie. Rok wydania: 2006 r., Wydawca: Medycyna Praktyczna                              |  |
|  | Supplementary literature  | 1. red. Andrzej Szczekliki i Piotr Grajewski. Kompendium. Choroby wewnętrzne Wydawca: Medycyna Praktyczna Rok wydania: 2009  |  |
|  | eResources addresses  | Adresy na platformie eNauczanie:   |  |
| Example issues/<br>example questions/<br>tasks being completed | -   |  |  |
| Work placement   | Not applicable  |  |  |

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