University of Gdańsk

# Subject card

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|---|---|---|---|
| Subject name and code | Core clinical pharmacology, PG_00203484 | | |
| Field of study | Medical Biology | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | 2026/2027 |
| Education level | Master's studies | Subject group | Obligatory subject group 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 | 2.0 |
| Learning profile | academic | Assessment form | exam |
| Conducting unit | Department of General and Medical Biochemistry -> Faculty of Biology -> Rector | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr n. med. Marlena Typiak | |
| | Teachers | | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20 |

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 | 20 | 3.0 | 27.0 | 50 |

**Subject objectives**

Acquiring knowledge of the current principles of pharmacotherapy based on scientific research regarding the most common diseases and biological factors affecting the action and metabolism of drugs, with particular emphasis on drug interactions.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [BIOLMEDMU2_K02] is ready to recognize the importance of knowledge in solving cognitive and practical problems and to seek expert advice when having difficulty solving a problem on his own | - recognizes the importance of knowledge in solving cognitive and practical problems in the field of the basics of clinical pharmacology, and seeks the opinion of experts in the event of difficulties with solving the problem independently (BM2_K02) | [SK1] oral statement/conversation/ discussion |
| [BIOLMEDMU2_W05] knows knows in-depth understanding the principles of practice based on scientific arguments | - knows the principles of practice based on scientific arguments in the field of basic clinical pharmacology (BM2_W05) | [SW4] test/exam - oral or written |
| [BIOLMEDMU2_W01] has an in-depth knowledge of scientific fields and disciplines relevant to medical biology and the studied specialty and knows their main development trends | - has in-depth knowledge of the basics of clinical pharmacology, important for medical biology and the studied specialty, and knows the main development trends in this field of science (BM2_W01) | [SW4] test/exam - oral or written |
| [BIOLMEDMU2_U01] is able to use, fluently yet critically, the academic literature and databases required for work in the field of medical biology and related disciplines, and to prepare and present academic papers in the field of medical biology and related sciences | - can use scientific literature fluently but critically and databases necessary for activities in the field of medical biology and related disciplines in the field of basic clinical pharmacology (BM2_U01) | [SU1] oral statement/conversation/ discussion |

<table>
<tr><td>Subject contents</td><td colspan="3">Basics of pharmacoeconomics. Adverse drug effects, drug concentration monitoring. Clinical pharmacology of the treatment of bacterial, viral and parasitic infections. Clinical pharmacology of pain management. Clinical pharmacology of hypertension treatment. Clinical pharmacology of antithrombotic treatment. Principles of using drugs in organ failure - kidneys and liver, children, elderly people, pregnant women. Principles of planning and conducting clinical trials with drugs.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">The scope of knowledge applicable to the subject of propaedeutics of internal diseases.</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>written test or open-ended tasks</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Clinical Pharmacology H.P. Rang, M.M. Dale, J.M. Ritter, R.J. Flower, G. Henderson, 9th edition, ed. D.Mirowska-Guzel, A.Członkowski 2021. Edna Urban & Partner.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Compendium of pharmacology and pharmacotherapy. Textbook for medical students. Danysz A., Buczko W. ed. V. Elsevier Urban & Partner.</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">Sample task on a written test:1. The mechanism of action of a drug in the body is described by its:a) pharmacodynamicsb) pharmacokineticsc) pathopharmacologyd) toxicology</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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