

<b>Course Title:</b>	<b>Pharmacology II</b> Drugs Affecting Major Organ Systems & Clinical Pharmacology
<b>Course Director:</b>	<b>Prof. Jacek Jawien MD/PhD</b> <b>Chair of Pharmacology</b>  www.katedrafarmakologii.cm-uj.krakow.pl
<b>Coordinator /contact:</b>	e-mail: <a href="mailto:mmjawien@cyf-kr.edu.pl">mmjawien@cyf-kr.edu.pl</a> <b>phone:</b> +48 609 192 058
<b>Address:</b>	<b>16 Grzegorzeczka Str., 31-531 Krakow</b>
<b>Year:</b>	<b>III/6 2018/2019</b>
<b>Total number of hours:</b>	<b>90 Pharmacology</b>
Lectures:	45
Seminars:	45
Labs/Practicals:	.....
Others (e.g. recitation):	.....
Exams:	4 partial and 1 final
<b>Conduct/Dress Code:</b>	.....
<b>Student's Evaluation:</b>	

Six written tests in the multiple choice formats are obligatory for each student during the course. Two of them are scheduled for 2-nd year (credit course, Pharmacology I) and four exams are scheduled for 3-rd year (Pharmacology II). Each of these exams covers actually lectured material. **To be released from writing the final examination (as an award)**, minimum requirement will be to accumulate at the end of the pharmacology course **at least 60% of the maximum score from six exams (60 questions) – minimum 216 points out of 360.**

For those who will not meet this requirements, **a final exam** in the multiple choice format (**90 questions**, A-D, only one is correct, to pass 60% of question must be answered), covering whole material, will be performed at the end of the course. During the course for justifiable reasons student can ask to postpone the date of maximum one exam. Dead-line for passing such missed exam is the end of semester.

**Attendance on all seminars is OBLIGATORY.** There will be an **attendance list** on the desk of lecturer. **Punctuality is required!** The late more than 5 minutes will be noted on the attendance list.

**Students who will not be present on seminars** (e.g., during 10 seminars before test, more than 2 absences) **will be not allowed to write test.** To do so, *they will have to pass oral partial exam provided by Coordinator* – before the test.

Going to seminars, student should be prepared about the subject (from books) and be ready to answer questions!

Required book: Bertram G. Katzung. *Basic and Clinical Pharmacology*. 14<sup>th</sup> Edition, 2017 (the most important)

Leader of the group can contact with Coordinator before September 3<sup>rd</sup> – by e-mail: [mmjawien@cyf-kr.edu.pl](mailto:mmjawien@cyf-kr.edu.pl) (to receive list of “obligatory” drugs for tests).

**Teachers:** Jacek Jawień, Rafał Olszanecki, Paweł Wołkow, Leszek Drabik, Agnieszka Stobiecka, Renata Korbut, Andrzej Fedorowicz, Magdalena Łomnicka

Date	Day	Time	Type of classes	Nº of hours	Topic	Teacher	Place
2 October	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Basic principles of chemotherapy</i> <i>- sulphonamides</i>  <i>Antibacterial agents</i>  <i>Cell wall synthesis inhibitors (penicillin, cephalosporin, monobactams, carbapenems)</i>	Dr. L. Drabik	LHD, CDK
9 October	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Inhibitors of bacterial protein synthesis (tetracyclines, macrolides, aminoglycosides, chloramphenicol, other antibiotics)</i>  <i>Fluoroquinolones</i> <i>Antifolate drugs</i>	Dr. L. Drabik	LHD, CDK
16 October	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Antimycobacterial agents - treatment of tuberculosis and leprosy</i> <i>Antifungal drugs</i>	Dr. L. Drabik	LHD, CDK
23 October	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Antiviral drugs.</i> <i>Antiprotozoal drugs and anthelmintic drugs</i>	Dr. L. Drabik	LHD, CDK
<b>30 October</b>	<b>Tuesday</b>	<b>8.00-10.15</b>	<b>EXAM III</b>	<b>3h</b>	<b>Questions referring to the material presented at all previous lectures</b>	<b>Dr Beata Bujak-Giżycka</b> <b>Dr M. Łomnicka</b>	LHD, CDK
6 November	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Cancer chemotherapy.</i> <i>Progress in cancer immunotherapy</i>	Dr. L. Drabik	LHD, CDK
13 November	Tuesday	8.00-10.15	Lec+Sem	3h	<i>The endocrine system</i> <i>- anterior pituitary hormones</i> <i>- hypothalamic hormones</i>	Dr. R. Korbut	LHD, CDK
20 November	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Thyroid and parathyroid hormones</i>	Dr. R. Korbut	LHD, CDK
27 November	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Adrenal steroids and related drugs</i> <i>The reproductive system</i> <i>- estrogens, androgens, anabolic hormones, contraceptives</i>	Dr. R. Korbut	LHD, CDK
4 December	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Diabetes Mellitus. Insulin</i> <i>Oral hypoglycaemic agents</i>	Dr. P. Wołkow	LHD, CDK

<b>11 December</b>	<b>Tuesday</b>	<b>8.00-10.15</b>	<b>EXAM IV</b>	<b>3h</b>	<b>Questions referring to the material presented after exam III</b>	<b>Dr Beata Bujak-Giżycka Dr M. Łomnicka</b>	LHD, CDK
8 January	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Treatment of diarrhea, constipation, nausea vomiting. Treatment of gastroesophageal reflux disorder (GERD), role of H<sub>2</sub> receptors</i>	Dr. A. Stobiecka	LHD, CDK
15 January	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Peptic ulcers, antacids; antisecretory drugs</i>	Dr. A. Stobiecka	LHD, CDK
22 January	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Agents used to treat liver and pancreas disorders; inflammatory bowel disease, hepatitis  Diuretics</i>	Dr. A. Stobiecka	LHD, CDK
29 January	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Diuretics, antidiuretic drugs</i>	Dr. A. Stobiecka	LHD, CDK
19 February	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Diseases of respiratory tract Bronchodilator agents; agents used to treat asthma</i>	Dr. A. Fedorowicz	LHD, CDK
26 February	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Decongestants; cough suppressants; antimicrobial agents used to treat patients with respiratory tract infections</i>	Dr. M. Łomnicka	LHD, CDK
5 March	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Anemia. Drugs affecting haematopoiesis Septicaemia, bacteraemia Blood and blood products</i>	Prof. R. Olszanecki	LHD, CDK
<b>12 March</b>	<b>Tuesday</b>	<b>8.00-10.15</b>	<b>Exam V</b>	<b>3h</b>	<b>Questions referring to the material presented after exam IV</b>	<b>Dr Beata Bujak-Giżycka Dr M. Łomnicka</b>	LHD, CDK
19 March	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Introduction to cardiovascular pharmacology Treatment of congestive heart failure and acute heart failure.</i>	Dr. Paweł Wołkow	LHD, CDK
26 March	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Antiarrhythmic drugs. Resuscitation, treatment of shocks. Endocarditis.</i>	Dr. L. Drabik	LHD, CDK
9 April	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Pharmacology of coagulation, fibrinolytic drugs.</i>	Dr. A. Fedorowicz	LHD, CDK
16 April	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Pharmacology of platelets and endothelium. Antiplatelet drugs.</i>	Dr. A. Fedorowicz	LHD, CDK
30 April	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Classification of anti-hypertensive drugs, current concepts in treatment of hypertension. Basic and clinical pharmacology of ACE inhibitors and angiotensin receptor antagonists, adrenolytics, diuretics, calcium channel blockers, potassium channels openers, direct vasodilators.</i>	Dr. L. Drabik	LHD, CDK

7 May	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Atherothrombosis – current concepts on prevention and treatment. Drugs used in the treatment of hyperlipidemias Basic and clinical pharmacology of statins, fibrates, niacin , resins Cholesterol-independent, pleiotropic effects of hypolipemic drugs</i>	Dr. L. Drabik	LHD, CDK
14 May	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Drugs used in the treatment of ischemic heart disease. Acute coronary syndrome (myocardial infarction).</i>	Dr. L. Drabik	LHD, CDK
<b>21 May</b>	<b>Tuesday</b>	<b>8.00-10.15</b>	<b>Exam VI</b>	<b>3h</b>	<b>Covers all lectures presented between examination V and VI)</b>	<b>Dr Beata Bujak-Giżycka Dr M. Łomnicka</b>	LHD, CDK
28 May	Tuesday	8.00-10.15	Lec+Sem	3h	<i>Outstanding exams (for those who have missed <u>only one</u> exam during the course)</i>	<b>Dr Beata Bujak-Giżycka Dr M. Łomnicka</b>	LHD, CDK
<b>4 June</b>	<b>Tuesday</b>	<b>8.00-10.15</b>	<b>Final Exam</b>	<b>3h</b>	<b><i>Final Exam</i></b>  <i>(Obligatory for those who could not reach minimum 60% from six partial exams)</i>	<b>Dr Beata Bujak-Giżycka Dr M. Łomnicka</b>	LHD, CDK