

Course Title: **Pharmacology I**
Basic Pharmacology

Course Director: **Prof. Ryszard Korbut MD PhD**
Chair of Pharmacology
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Address: **16 Grzegorzeczka Str., 31-531 Krakow**

Year: **II/6 2017-2018**

Total number of hours: **50 h**
Lectures: 25
Seminars: 25
Labs/Practicals:
Others (e.g. recitation):
Exams: within the 2-nd year (4-th Semester) – 2 partial exams

Conduct/Dress Code:

Student's Evaluation:

Five 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 three exams are scheduled for 3-rd year (Pharmacology II). Each of these exams covers actually lectured material and represents 20 percent estimation for the final grade to complete the pharmacology course. The minimum requirement for achieving the course final passing grade (in 6-point grading system) will be to accumulate at the end of the pharmacology course at least 60 % of the maximum score from five exams. For those who will not meet the requirements or will want to improve their final grade received after five partial examinations, an additional 6-th written exam in the multiple choice format, covering whole material, will be available at the end of the course. During the course for justifiable reasons student can ask to postpone the date of one exam. Dead-line for passing such missed exam is the end of semester. At least 80 % attendance at all lectures and seminars is required to obtain 3 points bonus in case when student will not achieve the exam passing limit.

Teachers: Ryszard Korbut, Weronika Rodak, Andrzej Jakubowski, Magdalena Łomnicka, Andrzej Fedorowicz

ECTS:

Date	Day	Time	Type of classes	NO of hours	Group	Topic	Teacher	Place
22 Feb.	Thursday	8.00-10.15	Lec+Sem	3h	All groups	<i>Informations, requirements and general remarks. Current pharmacological research topics</i>	R. Korbut	
01 Mar.	Thursday	8.00-10.15	Lec+Sem	3h		<i>General principles of drug action. Elements of pharmacokinetics</i>	R. Korbut	
08 Mar.	Thursday	8.00-10.15	Lec+Sem	3h		<i>Chemical mediators in autonomic nervous system</i> - cholinergic transmission - cholinergic agonists and antagonists - ganglionic blockers - neuromuscular blocking drugs	M. Łomnicka	
15 Mar.	Thursday	8.00-10.15	Lec+Sem	3h		<i>Adrenergic transmission</i> - adrenergic receptors - adrenoceptor agonists and antagonists	W. Rodak	
22 Mar.	Thursday	8.00-10.15	Lec+Sem	3h		<i>Other peripheral mediators</i> <i>Migraine and antimigraine remedies</i> <i>Inflammation and allergy</i> <i>Immunosuppressants</i>	W. Rodak	
05 Apr.	Thursday	8.00-10.15	Lec+Sem	3h		<i>Eicosanoids and PAF (platelet activating factor)</i> - inflammation and non-steroidal anti-inflammatory drugs - rheumatoid arthritis, gout	A.Fedorowicz	
12 Apr.	Thursday	8.00-10.15	Lec+Sem	3h		<i>Nitric oxide</i> <i>Biosynthesis, degradation, effects, therapeutic importance, diagnostic use, toxicity, NO-donors</i> <i>Endothelial dysfunction</i> <i>Sepsis</i>	R. Olszanecki	
19 Apr.	Thursday	8.00-10.15	Lec+Sem	3h		<u>Examination I</u> (in multiple choice format). Questions referring to the material presented at all previous lectures	R. Korbut	
26 Apr.	Thursday	8.00-10.15	Lec+Sem	3h		<i>Peptides and proteins as mediators</i> <i>Potential use as a drugs</i>	P. Wołkow	
10 May	Thursday	8.00-10.15	Lec+Sem	3h		<i>Chemical transmission in the central nervous system</i> - the classification of	W. Rodak	

						<i>psychotropic drugs</i> <i>Neuroleptic drugs and drugs used in affective disorders</i> <i>Central nervous system stimulants and psychomimetics</i> <i>Non-therapeutic drugs</i>		
17 May	Thursday	8.00-10.15	Lec+Sem	3h		<i>Treating of motor disorders: epilepsy and Parkinsonism</i>	W. Rodak	
24 May	Thursday	8.00-10.15	Lec+Sem	3h		<i>Analgesic drugs</i> <i>Anxiolytic and hypnotic drugs</i>	A.Jakubowski	
07 Jun.	Thursday	8.00-10.15	Lec+Sem	3h		<i>General anaesthesia agents</i> <i>Local anaesthetic drugs</i>	A.Jakubowski	
14 Jun.	Thursday	8.00-10.15	Lec+Sem	3h		<u>Examination II</u> (in multiple choice format). Questions referring to the drugs affecting Central Nervous System	R. Korbut	