

<b>Course title</b> Podstawy farmakologii / Basics of pharmacology		<b>ECTS code</b> 13.3.0426	
<b>Name of unit administrating study</b> Faculty of Chemistry			
<b>Studies</b>			
<b>Field of study</b>	<b>Type</b>	<b>Form</b>	
Chemistry	Bachelor	Full-time studies	
<b>Teaching staff</b> Dr hab. Elżbieta Kamysz, prof. nadzw.			
<b>Forms of classes, the realization and number of hours</b>		<b>ECTS credits</b> 2	
<b>A. Forms of classes, in accordance with the UG Rector's regulations</b> lecture		classes - 30 h tutorial classes – 5 h student's own work – 15 h	
<b>B. The realization of activities</b> In-class learning		Total: 50 h - 2 ECTS	
<b>C. Number of hours</b> 30 h lecture			
<b>The academic cycle</b> 2020/21 summer semester			
<b>Type of course</b> obligatory		<b>Language of instruction</b> Polish	
<b>Teaching methods</b>  lecture with multimedia presentation		<b>Form and method of assessment and basic criteria for evaluation or examination requirements</b>	
		<b>A. Final evaluation, in accordance with the UG study regulations</b> course completion (with a grade)	
		<b>B. Assessment methods</b> written assessment in the test form	
		<b>C. The basic criteria for evaluation or exam requirements</b>  1. The final assessment on pharmacology will be in the written form. It will consist of test questions covering the lecture material. 2. The condition for graduating the subject is to obtain at least a satisfactory grade (at least 51%).	
<b>Required courses and introductory requirements</b> none			
<b>Aims of education</b>  C1. Acquisition of definitions and basic terms in the field of pharmacology. C2. Distinguishing the forms of medicines and their correct use. C3. Distinguishing the basic groups of medicines used in diseases of the circulatory, respiratory, digestive and nervous system. Negative side effects of medicines and their interactions with other medicines and food products.			
<b>Course contents</b>  1. General pharmacology. 2. Painkillers: narcotic and non-narcotic. 3. Medicines used in the respiratory system diseases. 4. Medicines used in the digestive system diseases. 5. Medicines used in the circulatory system diseases 6. Hormones as medicines. 7. General chemotherapy. Antimicrobial and antiviral medicines. 8. Medicines affecting the nervous system. 9. Anticancerous agents.			

10. Pharmacological basis for poisoning treatment. Medicine-related complications.  
11. Pharmacogenetics.

### **Bibliography of literature**

#### **A. Literature required to pass the course**

A.1. E. Mutschler „Farmakologia i toksykologia” Urban & Partner, 2010

A.2. E. Mutschler „Kompendium farmakologii i toksykologii” MedPharm 2008

#### **B. Extracurricular readings**

G. Rajtar-Cynke „Farmakologia” Czelej, Lublin, 2002

### **Knowledge**

- explains the basic terms and issues in the field of general pharmacology;
- knows the main mechanisms of action of medicines;
- has knowledge about the study of new medicines;
- is able to characterize selected groups of medicines;
- knows the procedure of reporting negative side effects;
- has a basic knowledge of the possible interactions between medicines and between medicines and nutrients;

### **Skills**

- is able to use sources of information about medicines;
- uses basic pharmacological knowledge regarding the choice of the form and route of administration of medicines, therapeutic effect and side effects;

### **Social competence**

- is aware of the therapeutic and adverse effects of medicines;
- understands the need for continuous training and development as well as the search for new medicines;