



Academic year 2019/2020														
Description of the course														
Module/Course	Basic Reactions of Organic Compounds										Group of detailed education results			
											Group code B	Group name The scientific basis of medicine		
Faculty	Medicine													
Major	Medicine													
Specialties	Not applicable													
Level of studies	Uniform magister studies X* 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies <input type="checkbox"/>													
Form of studies	X full-time part-time													
Year of studies	1 st			Semester		<input type="checkbox"/> Winter <input checked="" type="checkbox"/> Summer								
Type of course	<input type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input checked="" type="checkbox"/> free choice / elective													
Course	<input type="checkbox"/> major <input checked="" type="checkbox"/> basic													
Language of instruction	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English <input type="checkbox"/> other													
* mark <input type="checkbox"/> with an X														
Number of hours														
Form of education														
Unit teaching the course:	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
	Winter Semester													
Summer Semester														
Department of Chemistry and Immunochemistry			10											
TOTAL per year:														
Department of Chemistry and Immunochemistry			10											
Educational objectives (max. 6 items)														



C1. Student knows the basic reactions of organic compounds				
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class				
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>
W 01		Student knows reactive functional groups in organic compounds. He/she knows the acid-base properties of organic compounds. Describes the structure of the ester and amide bond. Knows the hydrophobic and hydrophilic properties of organic compounds.	Individual evaluation of student's progress	AC
U 01		Student can describe the structure of reactive functional groups in organic compounds. He/she knows the structure and properties of the ester and amide bonds. He understands the concept of hydrophobic/hydrophilic in relation to organic compounds.	Individual evaluation of student's progress	AC
<p>** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .</p>				
<p>Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes: Knowledge: 5 Skills: 5</p>				
Student's amount of work (balance of ECTS points)				
Student's workload (class participation, activity, preparation, etc.)			Student Workload (h)	
1. Contact hours:			10	
2. Student's own work (self-study):			3	
Total student's workload			13	
ECTS points for module/course			0,5	
Comments				
<p>Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects) Not applicable</p>				
<p>Lectures Not applicable</p>				
<p>Seminars 1. Reactive functional groups in organic compounds. 2. Acid-base properties of organic compounds.</p>				



3. Oxidation and reduction reactions in organic compounds	
4. Ester and amide linkages in organic compounds.	
5. Hydrophilic and hydrophobic properties of organic compounds	
Practical classes	
Not applicable	
Other	
Not applicable	
Basic literature (list according to importance, no more than 3 items)	
1. Chemistry. An Introduction to General, Organic and Biological Chemistry. Timberlake KC, Benjamin Cummings, Pearson Education, Inc., 2016	
Additional literature and other materials (no more than 3 items)	
1. Handbook of chemistry: for students Faculty of Medicine and Faculty of Dentistry; ed. Iwona Kaźnik-Prastowska; Wrocław: Wrocław Medical University, 2012	
Didactic resources requirements (e.g. laboratory, multimedia projector, other...)	
Multimedia equipment and a white/black board	
Preliminary conditions (minimum requirements to be met by the student before starting the module/course)	
Not applicable	
Conditions to receive credit for the course :	
Student is obligated to be present at 100% of classes and each absence must be made up, including rector's days or dean's hours.	
To receive credit for the course student is obligated to present the chosen topic on the group forum.	
Positive evaluation of theoretical and practical skills based on the individual student's work at the workshop.	
Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	Active participation in the course, preparation of individual above average presentation for the rest of group
Good Plus (4.5)	Active participation in the course, preparation of individual presentation for the rest of a group
Good (4.0)	Active participation in the course, preparation of presentation in a group
Satisfactory Plus (3.5)	Active participation in the course
Satisfactory (3.0)	Participation in the course

Name of unit teaching course:	Department of Chemistry and Immunochemistry
Address	M. Skłodowskiej-Curie 48, 50-369 Wrocław
Phone	+48 71 328 26 95



E-mail	immunochemia@umed.wroc.pl
--------	---------------------------

Person responsible for course:	Dr hab. Mirosława Ferens-Sieczkowska, prof. nadzw.
Phone	+48 71 328 26 95
E-mail	mirosława.ferens-sieczkowska@umed.wroc.pl

List of persons conducting specific classes:	degree/scientific or professional title	Discipline	Performer profession	Form of classes
Małgorzata Pupek	dr	Medical Chemistry	scientist/ academic teacher	laboratory classes
Anna Kałuża	mgr	Medical Chemistry	scientist/ academic teacher	laboratory classes
Justyna Kołodziejczyk	mgr	Medical Chemistry	scientist/ academic teacher	laboratory classes

Date of Syllabus development

5.02.2019

Syllabus developed by

Signature of Head of teaching unit

Signature of Faculty Dean

Wrocław Medical University
Faculty of Medicine
Vice-Dean for English Studies
prof. Beata Szeleszczanska, PhD

Uniwersytet Medyczny we Wrocławiu
KATEDRA I ZAKŁAD CHEMII I IMMUNOCHEMII
Kierownik
dr hab. Mirosława Ferens-Sieczkowska, prof. nadzw.