Syllabus 2020/2021			
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** * 1st degree studies ☐ 2nd degree studies ☐ 3rd degree studies ☐ postgraduate studies ☐		
Form of studies	**X** full-time ☐ part-time		
Year of studies	1st	**Semester**	☐ Winter **X** Summer
Type of course	☐ obligatory ☐ limited choice **X** free choice / elective		
Course	☐ major ☐ basic		
Language of instruction	☐ Polish **X** English ☐ other		
* mark ☐ with an **X**			

Amount 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														
			10										3	
TOTAL per year:														
			10										3	

Educational objectives (max. 6 items)
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 ***enter the abbreviation*
K 01	**B.W10**	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
S 01	**B.U4**	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

** 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 .

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

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	

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

Lectures
Not applicable

Seminars
1. Reactive functional groups in organic compounds.
2. Acid-base properties of organic compounds.
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 Kątnik-Prastowska; Wroclaw: Wroclaw 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**
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Person responsible for course:	**Dr hab. Mirosława Ferens-Sieczkowska, prof. nadzw.**
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List of persons conducting specific classes:	*degree/scientific or professional title*	*Discipline*	*Performer profession*	*Form of classes*
Jolanta Lis-Kuberka	dr	Medical Chemistry	scientist/ academic teacher	laboratory classes
Dorota Krzyżanowska-Gołąb	dr	Medical Chemistry	scientist/ academic teacher	laboratory classes

Date of Syllabus development

29.05.2020

Syllabus developed by

dr Anna Lemańska-Perek.

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu
KATEDRA I ZAKŁAD CHEMII I IMMUNOCHEMII
Kierownik

dr hab. Mirosława Ferens-Sieczkowska, prof. nadzw.

Signature of Faculty Dean

Wrocław Medical University
Faculty of Medicine
Vice-Dean for English Studies

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