

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912-7LEK-C12-RA	
Name of the course in	Polish	Racjonalna antybiotykoterapia
	English	Rational antibiotic therapy

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	Medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's studies
1.4. Profile of study*	General academic
1.5. Specialization*	lack
1.6. Unit running the course of study	The Faculty of Medicine and Health Sciences
1.7. Person/s preparing the course description	Prof. zw. dr hab. Robert Bucki
1.8. Person responsible for the course of study	Prof. zw. dr hab. Robert Bucki
1.9. Contact	Wnoz_inm@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Affiliation with the module	Elective
2.2. Language of instruction	English
2.3. Semesters in which the course of study is offered	4 th semester
2.4. Prerequisites*	none

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture- 15h	
3.2. Place of classes	Traditional classes in the didactic room of Faculty of Medicine and Health Sciences UJK	
3.3. Form of assessment	Credit with grade	
3.4. Teaching methods	Informative lecture	
3.5. Bibliography	Required reading	<ol style="list-style-type: none"> 1. Antibiotics Simplified by Jason C. Gallagher 2. Antibiotic Basics for Clinicians: The ABCs of Choosing the Right Antibacterial Agent by Alan R. Hauser 3. The Antibiotic Era: Reform, Resistance, and the Pursuit of a Rational Therapeutics by Scott H. Podolsky
	Further reading	1. Web: www.antybiotyki.edu.pl

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

4.1. Course objectives (including form of classes- lecture)

- Extending the basic knowledge in the field of antibiotic therapy
- Understanding the perspectives of modern antibiotic therapy
- Understanding the applications of microbiological maps in predicting empirical therapy
- Understanding the basic pharmacokinetic and pharmacodynamic indicators of antibiotics

4.2. Detailed syllabus (including form of classe-lecture)

Lecture 1 Antibiotic therapy in the era of increasing microbial resistance. Prospects for acquiring new antibiotics

Lecture 2 Basics of rational antibiotic therapy - targeted treatment

Lecture 3 Microbiological mapping of hospital wards: empirical therapy based on microbiological maps

Lecture 4 Basic PK / PD parameters of antibiotics

Lecture 5 Rational antibiotic therapy of selected bacterial infections (UTI, blood/placenta infections, surgical site infection)

4.3. Education outcomes in the discipline

Code	A student, who passed the course	Relation to teaching outcomes
within the scope of KNOWLEDGE:		
W01	knows the foundation for the diagnosis of gene and chromosome mutations responsible for hereditary and acquired diseases, including cancer;	C.W9
W02	knows the basis for the development and the mechanisms of the immune system, including specific and non-specific mechanisms of humoral and cellular immunity;	C.W20
W03	describes the structure of chromosomes and the molecular mechanisms of mutagenesis;	C.W4
within the scope of ABILITIES:		
U01	interprets the results of microbiological tests;	C.U10
U02	designs the scheme of rational infection chemotherapy, both empirical and targeted	C.U15

4.4. Methods of assessment of the intended teaching outcomes

Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam oral/written*			Test*			Project*			Effort in class*			Self-study*			Group work*			Others*		
	Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes		
	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...
W01				+																	
W02				+																	
W03				+																	
...U01				+																	
U02				+																	
U03				+																	

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L)	3	61% - 68%. Mastering program content at the elementary level, chaotic answers, guidance questions necessary
	3,5	69% - 76% Mastering program content at the elementary level, systematized answers, teacher's help required.
	4	77% - 84%. Mastering program content at the elementary level, systematized and independent answers. Solving problems in typical situations.
	4,5	85% - 92%. The scope of the presented knowledge goes beyond the basic level based on the provided supplementary literature. Solving problems in new and complex situations.
	5	93% - 100% The scope of the presented knowledge goes beyond the basic level based on independently acquired scientific sources of information.

Thresholds are valid from 2018/ 2019 academic year

BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT

Category	Student's workload
	Full-time studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	15
<i>Participation in lectures*</i>	15
<i>Participation in classes, seminars, laboratories*</i>	
<i>Preparation in the exam/ final test*</i>	
<i>Others*</i>	
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	10
<i>Preparation for the lecture*</i>	10
<i>Preparation for the classes, seminars, laboratories*</i>	
<i>Preparation for the exam/test*</i>	
<i>Gathering materials for the project/Internet query*</i>	
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
TOTAL NUMBER OF HOURS	25
ECTS credits for the course of study	1

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

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