

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912-7LEK-F-8-EBM	
Name of the course in	Polish	EBM Praktyka medyczna oparta na dowodach naukowych
	English	EBM Evidence - based medicine

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 study
1.4. Profile of study*	General academic
1.5. Specialization*	lack
1.6. Unit running the course of study	Faculty of Medicine and Health Sciences
1.7. Person/s preparing the course description	Dr hab. n. med. Tomasz Rogula, prof. UJK
1.8. Person responsible for the course of study	Dr hab. n. med. Tomasz Rogula, prof. UJK
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	3rd
2.4. Prerequisites*	none

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture-15h Classes- 20h	
3.2. Place of classes	Traditional classes in the didactic room of Faculty of Medicine and Health Sciences	
3.3. Form of assessment	Credit with grade	
3.4. Teaching methods	Informative lecture	
3.5. Bibliography	Required reading	1. Up from Clinical Epidemiology and EBM, ISBN: 9789048195008. 2. Evidence-based Medicine, ISBN: 9780702031274
	Further reading	1. Sackett D.L.: Evidence based medicine: what it is and what isn't; BMJ 1996. 2. Cochrane Database of Systematic Reviews (The Cochrane Collaboration); http://www.cochrane.org/

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

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

C1. Understanding the principles of clinical practice strategy based on scientific evidence and the use of research results in medical practice

C2. Preparation for critical analysis of research and scientific reports

C3. Developing awareness of the importance of research and scientific reports in clinical decision-making and medical professionalism.

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

- The origin and meaning of EBM concept. The history and development of the EBM concept. Philosophy of EBM.
- Modern strategy of EBM. Basic concepts. Evidence based medicine as a scientific system. Integrative approach to EBM.
- The stages of investigation for evidence-based practice –making clinical decisions. Clinical questions.
- Typology of scientific clinical studies and EBM - observational studies, experimental. Secondary research (systematic reviews, meta-analyses).
- Assessment of the credibility of research and medical reports. Evaluation of therapeutic and diagnostic method, harmfulness as well as prognosis. Inference for medical practice based on the analysis of the available literature.

6. Economic analysis and EBM.
7. Clinical practice guidelines.
8. The search for scientific reports in the model of investigation to evidence-based practice. Available databases and methods for obtaining information (Medline, Cochrane Library, etc.).

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 principles of conducting scientific research, observational and experimental and in vitro studies aimed at the development of medicine.	B.W34.
W02	knows the foundations of evidence-based medicine.	D.W20.
W03	knows and understand the causes, symptoms, principles of diagnosis and therapeutic management of common diseases and specific problems in general practice;	E.W36.
within the scope of ABILITIES:		
U01	plans and performs basic scientific research, interprets the results and draws conclusions.	B.U14.
U02	is responsible for improving his/her skills and transfers knowledge to others;	D.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				+																	
W02				+																	
...U01				+																	
U02				+																	

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes

Form of classes	Grade	Criterion of assessment
lecture (L)	3	Test – 61%-68% Mastering program content at the elementary level
	3,5	Test - 69%-76%. Mastering program content at the elementary level, systematized answers.
	4	Test - 77%-84%. Mastering program content at the elementary level, systematized answers. Problem solving in typical situations.
	4,5	Test - 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	Test - 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**

5. 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>	5
<i>Preparation for the classes, seminars, laboratories*</i>	
<i>Preparation for the exam/test*</i>	5
<i>Gathering materials for the project/Internet query*</i>	
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
TOTAL NUMBER OF HOURS	1
ECTS credits for the course of study	25

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

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