



## Basics of Evidence- Based Medicine (EMB)

<b>1. IMPRINT</b>	
<b>Academic Year</b>	2021/2022
<b>Field of Study</b>	Doctoral School
<b>Main Scientific Discipline</b> <i>in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019</i>	-
<b>Study Profile</b> ( <i>general academic / practical</i> )	-
<b>Level of studies</b> ( <i>1st level / 2nd level / uniform MSc</i> )	Doctoral students
<b>Form of studies</b> <i>(full-time/extramural)</i>	Full-time
<b>Type of module / course</b> <i>(obligatory / non-compulsory)</i>	Obligatory
<b>Form of verification of learning outcomes</b> ( <i>exam / completion</i> )	Completion
<b>Educational Unit / Educational Units</b> <i>(and address / addresses of unit / units)</i>	1W44, MUW Department of Paediatrics, 63A Żwirki i Wigury St.
<b>Head of Educational Unit / Heads of Educational Units</b>	prof. dr hab. n. med. Hanna Szajewska

<b>Course coordinator</b> (title, First Name, Last Name, contact)	lek. Jan Łukasik, jlukasik@wum.edu.pl
<b>Person responsible for syllabus</b> (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	lek. Jan Łukasik, jlukasik@wum.edu.pl
<b>Teachers</b>	prof. dr hab. n. med. Hanna Szajewska, dr hab. n. med. Piotr Dziechciarz, dr hab. n. med. Andrea Horvath, dr n. med. Maciej Kołodziej, lek. Jan Łukasik

## 2. BASIC INFORMATION

<b>Year and semester of studies</b>	Year 3, winter semester	<b>Number of ECTS credits</b>	-
<b>FORM OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
lecture (W)			
seminar (S)		10	
classes (C)			
e-learning (e-L)			
practical training (ZP)			
Occupational practice (PZ)			
<b>Unassisted student's work</b>			
Preparation for classes and completions			

## 3. COURSE OBJECTIVES

C1	Acquisition of basic knowledge of general notions and selection of specific notions within the EBM area.
C2	Acquisition of the skills to pose a clinical question and select adequate research model.

C3	Acquisition of the skills to assess the accuracy of the research with randomization, systematic review and cohort study
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#### 4. EFFECTS OF LEARNING

Number of learning effect	Effects in the field of science
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– A graduate should know and understand:

W1	Basic notions within the area of EBM
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W2	Justification for applying EBM methods
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W3	Principles of practice coherent with EBM
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W4	Main models of clinical studies
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**Skills – A graduate should be able to:**

U1	Pose a clinical question
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U2	Select a study model adequate to a particular clinical question
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U3	Assess the accuracy of the research with randomization, systematic review and cohort study
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**Social skills – A graduate should be ready for:**

K1	Academic discourse on the notions discussed during the classes
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K2	
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#### 5. CLASSES

Form of class	Curriculum-related content	Effects of learning
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Seminars	EBM – introduction. Types of clinical studies. Studies with randomization. Clinical question – workshops. Assessment of the accuracy of the research with randomization. Systematic review and meta-analysis. Assessment of the accuracy of the systematic review – workshop. Observation studies. Assessment of the accuracy of the observation studies – workshop.	W1, W2, W3, W4, U1, U2, U3, K1
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## 6. LITERATURE

### Obligatory

1. Podstawy EBM, czyli medycyny opartej na danych naukowych dla lekarzy I studentów medycyny. R. Gajewski i wsp.
2. Didactic materials from classes.

### Additional

1. Epidemiology: Beyond the Basics 4<sup>th</sup> Edition. M.Szklo, FJ Nieto.
2. Cochrane Handbook for Systematic Reviews of Interventions. J. Higgins, J.Thomas

## 7. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
W1-4, U2	Test	75%
U1, U3, K1	Workshop	Correct performance of the assigned task

## 8. ADDITIONAL INFORMATION *(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)*

Stamp and hand signature:  
 /Prof. Hanna Szajewska  
 Head of the Department/