

**EUROPEAN PROGRAM: FIRST YEAR – A.Y. 2022/23**  
**COURSE: BASIS OF SCIENTIFIC RESEARCH**  
**COURSE DIRECTOR: PROF. JAN. E. ZEJDA**

**LECTURES – e-learning**

#	Topic	
1	Database –preparation, variables and coding (MK)	2
2	Cause-effect relationship. Possibilities and limitations of analysis, interpretation of scientific results (MK)	2
3	The research protocol design in a scientific study (MK)	1
4	Scientific Methods 1 (JEZ)	3
5	Scientific Methods 2 (JEZ)	
6	Medical research paper (JEZ)	1
7	Quantitative and qualitative research methods (JEZ)	1
8	Basic types of experimental studies (GB)	3
9	Types of observational studies in medical research (KB)	2

**SEMINARS**

	Date (10.00-13.00)	Topic	
1.	10 Oct	Concepts of scientific cognition, scientific hypotheses (KB)	4
2.	17 Oct	Medical scientific communication (JEZ)	
3.	24 Oct	From bench to clinical research (PB)	4
4.	7 Nov	Model of scientific research. Scientific research in epidemiology and health Sciences. Protocol of the questionnaire survey (MK)	4
5.	14 Nov	Study protocol (GB)	4

JEZ – Prof. J.E. Zejda  
 MK – Prof. M. Kowalska  
 GB – Prof. G. Brożek  
 PB – Prof. P. Buszman  
 KB – Dr K. Barański