

**INTERNATIONAL PROGRAM: FIRST YEAR – A.Y. 2024/25**  
**COURSE: BASIS OF SCIENTIFIC RESEARCH**  
**COURSE DIRECTOR: PROF. GRZEGORZ BROŻEK**

**LECTURES – e-learning**

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

**SEMINARS**  
**Monday, room 412**

	Date (8.30-11.30)	Topic
1.	Oct 7 <sup>th</sup>	Concepts of scientific cognition, scientific hypotheses (KB)
2.	Oct 14 <sup>th</sup>	Model of scientific research. Scientific research in epidemiology and health Sciences. Protocol of the questionnaire survey (MK)
3.	Oct 21 <sup>st</sup>	Study protocol (GB)
4.	Oct 28 <sup>th</sup>	Scientific report – abstract, poster, report, article (SzSz)
5.	Nov 4 <sup>th</sup>	Model of scientific research - research on the diet and nutritional status of the population in epidemiological studies (IZZ)

JEZ – Prof. J.E. Zejda  
 MK – Prof. M. Kowalska  
 GB – Prof. G. Brożek  
 KB – Dr hab. K. Barański  
 SzSz – dr Sz. Szemik  
 IZZ – dr I. Zieleń-Zynek