

**INTENSIVE INTERNATIONAL EDUCATIONAL PROGRAMME**

effective from the academic year 2025/2026

1. GENERAL CHARACTERISTICS OF THE COURSE:

Course title in	Polish	Metodologia badań i biostatystyka
	English	Research Methodology and Biostatistics
Faculty/Branch/Interfaculty Unit		Faculty of Health Sciences
Institute/Department		Department of Public Health
Course Supervisor (name, contact: e-mail, phone)		Agnieszka Strzelecka, agnieszka.strzelecka@ujk.edu.pl, 41 34 969 48
Course general objectives		To acquire and expand knowledge in the field of research methodology – including the preparation of a research plan and statistical analysis of collected data, as well as the ability to perform statistical analyses depending on the type of variables examined.
Entry requirements (expected candidate competencies)		Higher education degree. Ability to work in the Windows environment and operate Microsoft Office, with particular emphasis on Microsoft Excel. Communicative command of the English language.
Recruitment rules		Admission is based on the submission of a complete set of required documents, in accordance with the current Regulation of the Rector of the Jan Kochanowski University in Kielce concerning the creation and organization of postgraduate training courses. Qualification criteria: Higher education in medical sciences or health sciences. Employment as a lecturer at a foreign higher education institution. Doctoral student status (including those from foreign universities). Ability to work in the Windows environment. Proficiency in Microsoft Office, especially Microsoft Excel. Communicative command of the English language.
Number of hours		45

2. EDUCATIONAL ASSUMPTIONS

General educational objectives / employment opportunities / typical workplaces	Graduates of the course may work in research teams or independently provide services in statistical analysis of collected research data. Furthermore, the knowledge gained during the course will enable participants to independently prepare scientific publications.
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3. DESCRIPTION OF LEARNING OUTCOMES

Learning outcome symbols	Upon completion of the continuing education course, the graduate:
in terms of KNOWLEDGE	
W01	Knows and understands the principles of conducting scientific research, including selecting an appropriate research design, study group, and planning research procedures and tools.

W02	Knows and understands the principles of creating a database, transforming variables, and verifying data accuracy.
W03	Knows and understands the principles of applying statistical methods and tools for the analysis of collected research material, as well as statistical inference and drawing conclusions based on the conducted analysis.
in terms of SKILLS	
U01	Can conduct scientific research in compliance with legal and ethical standards.
U02	Can prepare a framework for a research design.
U03	Can select appropriate statistical tests depending on the objective of the analysis, type of variables, and fulfilment of specific statistical assumptions.
U04	Can correctly perform statistical analysis using selected statistical software.
in terms of SOCIAL COMPETENCES	
K01	Is prepared to conduct scientific research in accordance with legal and ethical principles.
K02	Is ready for continuous professional development, including acquiring knowledge of principles and methods of statistical data analysis.

Appendix 1. Opinions of external stakeholders regarding the intended learning outcomes*

4. CONTINUING EDUCATION COURSE PLAN:

Appendix 2. Continuing Education Course Plan

Appendix 3. Course Syllabi

5. PLANNED TEACHING STAFF ASSIGNMENTS

No.	Name and Surname	Academic title/degree	Place of employment	Specialization / professional experience
1.	Grażyna Nowak-Starz	Prof. dr hab.	Faculty of Health Sciences, Collegium Medicum, Jan Kochanowski University	Specialist in public health; university professor; teaches research methodology to undergraduate, master's, and doctoral students; PhD supervisor and reviewer of habilitation applications; continuously develops professional competences through international academic visits
2.	Agnieszka Strzelecka	Dr of Health Sciences	Faculty of Health Sciences, Collegium Medicum, Jan Kochanowski University	Specialist in biostatistics; holds numerous certificates in data analysis; university lecturer (assistant professor); conducts training for academic staff and students in statistics; continuously improves professional competences during academic and teaching internships at international institutions.
3.				
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* Applies only to newly established continuing education courses.
Additional documents may supplement the course program if required by the course specifics or other regulations.

Dean / Head of the Interfaculty Unit

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