



COURSE SPECIFICATION

Course code	full-time studies	Z-ZB-E-404
	part-time studies	-
Course title in English	Research methodology in management and quality sciences	
Course title in Polish	Metodologia badań naukowych w naukach o zarządzaniu i jakości	
Valid from academic year	2025/2026	

PLACEMENT IN THE TEACHING PROGRAM

Programme of study	BUSINESS MANAGMENT
Level of education	1st degree
Studies profile	academic
Form and mode of study	full-time programme
Scope	all
Academic unit responsible for the course	Department of Management and Organization
Course coordinator	dr hab. Agnieszka Piotrowska-Piątek, prof. uczelni
Approved by	dr hab. inż. Dariusz Bojczuk, prof. uczelni

GENERAL CHARACTERISTIC OF THE COURSE

Teaching block		Directional subject
Course status		Obligatory
Language of instruction		English
Semester of delivery	full-time studies	Semester IV
	part-time-studies	-
Prerequisites		Organization and management
Exam (YES/NO)		NO
ECTS		1

Method of conducting classes		lecture	classes	laboratory	project	other
Number of hours per semester	full-time	15				
	part-time					



LEARNING OUTCOMES

Category	Outcome code	Course learning outcomes	Reference to the directional learning effect
Knowledge	W01	The student knows the place of management and quality sciences in the system of social sciences and their institutional, functional and result-related identity.	ZB1_W01
	W02	The student knows the methods, techniques and research tools appropriate for management and quality sciences.	ZB1_W01 ZB1_W06
Skills	U01	The student is able to formulate a research problem appropriate for management and quality sciences, conceptualize it and solve it using appropriate research methods and tools.	ZB1_U02 ZB1_U09 ZB1_U14
	U02	The student is able to develop and interpret the results of a scientific study	ZB1_U02 ZB1_U09
Social competences	K01	The student is aware of the need to improve competences in the field of scientific research in connection with social and economic progress.	ZB1_K02
	K02	The student is aware of the importance of ethics in scientific research.	ZB1_K07

COURSE CONTENT

Method of conducting classes	Course content
lecture	The essence of research methodology. The identity of management and quality sciences. The essence, objectives, principles and functions of scientific research. The process of formulating and solving a scientific problem. Conceptualization of the research problem. Research methods, techniques and tools appropriate for management and quality sciences. Triangulation of research methods. Measurement in scientific research in the field of management and quality sciences, data analysis and inference. Ethics in scientific

METHODS FOR VERIFYING LEARNING OUTCOMES

Outcome code	Learning outcomes verification methods					
	Oral examination	Written examination	Test	Project	Report	Other
W01			X			
W02			X			
U01			X			
U02			X			
K01						X
K02						X

FORM AND CONDITIONS OF ASSESSMENT

Form of classes	Assessment type	Assessment Criteria
lecture	Credit with grade	Semester colloquium - passing grade of at least 50% of the written test.



STUDENT WORKLOAD

ECTS Balance							
No.	Activity type	Student workload					Unit
		full-time					
1.	Scheduled contact hours	W	C	L	P	S	h
		15					
2.	Other (consultations, exams)	2					h
3.	Total number of contact hours	17					h
4.	Number of ECTS credits for contact hours	0,7					ECTS
5.	Number of hours of independent student work	8					h
6.	Number of ECTS points that a student obtains through independent work	0,3					ECTS
7.	Workload related to practical classes	0					h
8.	Number of ECTS credit points which a student receives for practical classes	0,0					ECTS
9.	Total number of hours of a student's work	25					
10.	ECTS credits for the course <i>1 1 ECTS credit =25 student learning hours</i>	1					ECTS

W - LECTURE C - CLASSES L - LABORATORY P - PROJECT S - SEMINAR

READING LIST

1. Kumar P., Kumar Bharti P. (2019), *Scientific Research Methodology. Concepts and Quality: An A-Z of key concepts*, Discovering Publishing House Pvt Ltd.
2. Morin J-F., Olsson Ch., Atickcan E. (2021), *Research Methods in the Social Sciences*, Oxford University Press.