

DOCTORAL SCHOOL AWF WARSZAWA

Syllabus

Teaching subject: Research methodology

Part 1

I. General information

Organisational unit	DOCTORAL SCHOOL AWF WARSZAWA
Subject name	Research methodology
Language of instruction	English
Type of teaching module (compulsory/optional)	compulsory
Study year	I (first)
Study semester	1 (first)
Types of Instruction/Number of Hours	lecture – number of hours: 15 doctoral student's independent work (self-study) – number of hours: 10 assessment format in accordance with the curriculum of the Doctoral School at the University of Physical Education in Warsaw
Liczba punktów ECTS	1 ECTS
Form of evaluation	Exam
Lecturer's first and last name	Dr hab. Michał Lenartowicz prof. AWF michal.lenartowicz@awf.edu.pl
Prerequisites and Additional Requirements	A doctoral program participant should have a general understanding of research methodology in line with the focus of their master's program

Part 2

II. Detailed information

Subject aims		
C1	To familiarize students with the principles of conducting scientific research, methods for solving scientific problems in the social sciences, principles for selecting research methods, the advantages and limitations of research methods, and ways to conduct research using various advanced research methods and techniques, as well as the proper interpretation of results.	
C2	To develop skills related to the methodological aspects of preparing research projects, as well as the description and interpretation of research, and to familiarize students with the code of ethics governing scientific research.	

Learning Outcomes in Terms of Knowledge, Skills, and Social Competencies for the Course		
Efekt uczenia się	Learning Outcomes for the Course	Odniesienie do celów
Knowledge – The graduate knows and understands		
K_W04	P_W01 He/she has knowledge of the specific nature of scientific research in physical culture and the social sciences, as well as of the goals, possibilities, and limitations of analyses of human groups.	C1
K_W04	P_W02 Has advanced knowledge of social research methodology, research designs, and selected research methods: observation, experimentation, interviews, content analysis, qualitative research, and research ethics	C1, C2
K_W04	P_W03 He has advanced knowledge of the development and application of a variety of research tools.	C1
Skills – Graduates are able to		
K_U02	P_U01 Is able to appropriately select research methods and techniques for a variety of research problems in the social sciences.	C1, C2
K_U02	P_U02 Can design research tools such as surveys, questionnaires, and observation sheets.	C2
K_U06	P_U03 Can identify and define the subject, objective, problem, and research questions, and formulate a concept for their own research.	C2
Social Competencies		

III. Curriculum Content

Curriculum Content	Course Topic (Lectures)	Reference to learning outcomes
TK1	Methodology as a system of objective rules and procedures that guide research aimed at discovering the truth about reality—familiarizing students with the specific nature of scientific research, research in physical culture studies, and the social sciences. To provide students with practical experience in the principles and methods of work that ensure health and safety when performing activities as part of classes, with or without the use of technical devices and equipment.	P_W01 P_W02 P_W03
TK2	Principles and Functions of Science. Classification of Scientific Disciplines. Principles of Logical Correctness in Scientific Work.	P_W01, P_W02 , P_W03, P_U03, P_S01
TK3	Elements of logic, research problem, research questions, hypothesis and essential elements of the research design	P_W01P_U03
TK4	Selection of research methods. Advantages and limitations of the methods used. Approaches to conducting research using various research methods and techniques, and the correct interpretation of results.	P_W02; P_W03 P_U01; P_S01

TK5	Overview of advanced research methods—observation. Types of observation. Advantages and disadvantages of participant and non-participant observation. Observation forms. Ethical aspects of observation.	P_W02 P_U01; P_U02; P_S02
TK6	Overview of Advanced Research Methods—Experiments. Experimental and Quasi-Experimental Designs. Ethical Guidelines for Conducting Experiments in the Social Sciences	P_W02; P_U01; P_U02; P_S02;
TK7	Experiments: Contaminating Factors, Problems in Conducting Experiments, and Ways to Solve Them. Examples of Social Experiments.	P_W02 ; P_U01; P_U02
TK8	Overview of advanced research methods—interviews. Scope of application and types of interviews. Designing research tools. Principles for designing surveys and questionnaires: Principles for protecting respondents. Survey research techniques. Principles for designing a questionnaire.	P_W02, P_U01, P_U02
TK9	Overview of advanced research methods—qualitative methods. Combining qualitative and quantitative methods. Triangulation.	P_W02; P_U01; P_U02
TK10	Overview of advanced research methods—content analysis (quantitative and qualitative). Methods of content analysis.	P_W02; P_U01 ; P_U02
TK11	Ethics in Scientific Research	P_W01, P_S01,P_S02
TK12	Written exam	
Self-study: Read and analyze the assigned readings. Prepare class presentations based on the readings. Complete homework assignments.		
Planned teaching formats/activities/methods		
Curriculum Content	Teaching method	Reference to learning outcomes
TK 1-TK 13	lecture, case study, discussion, group work, individual work in class and as part of self-study	K_W04; K_U02; K_U06;
Teaching materials: computer, PowerPoint presentation, video recordings, Mentimeter, the Internet, source texts		
Assessment Methods and Criteria		
Curriculum Content	Methods for Assessing a Doctoral Student's Achievement / Methods for Verifying Learning Outcomes	Reference to learning outcomes
TK1-TK 13	1. Presentation of a methodological paper 3. Final written exam	K_W04; K_U02; K_U06;
Recommended reading list or required reading		
Literature 1. Gardina M. D. Donnelly M. K, Waldman D. J <i>The Sage Handbook of Qualitative Research in Sport and Physical Culture</i>, Sage. 2. Kuhn T. S. (1970) <i>The Structure of Scientific Revolutions</i>, The University of Chicago. 3. Nooij A. T. J. (1995) <i>Social Methodology. Normative and descriptive methodology of basic designs</i>		

of social research, WAU, Wageningen.

4. Thomas J.R., Nelson J.K, Silverman S. J. (2011) Research methods in physical activity, Human Kinetics.
5. Veal A. J. (1992) *Research methods for leisure and tourism. A practical guide*, Pitman Publishing, London.
6. Walliman N. (2022) *Research Methods*, Routledge.

Supplementary literature

1. Babbie E. (2007) *Badania społeczne w praktyce [The practice of social research]*, Warszawa, PWN.
2. Flick U. (2012) *Projektowanie badania jakościowego [Designing Qualitative Research]*, Wydawnictwo Naukowe PWN, Warszawa.
3. Kvale S. (2012) *Prowadzenie wywiadów [Doing Interviews]*, Wydawnictwo Naukowe PWN, Warszawa.
4. Nowak S. (2007) *Metodologia badań społecznych [Methodology of Social Research]*, Warszawa, PWN.
5. Mayntz R., Holm K., Hubner P. (1985) *Wprowadzenie do metod socjologii empirycznej [Introduction to Empirical Sociology]*, PWN, Warszawa.
6. Silverman D. (2008) *Prowadzenie badań jakościowych [Doing qualitative research]*, Warszawa, PWN.
7. Kotarbiński T. (1961) *Elementy teorii poznania, logiki formalnej i metodologii nauk [Elements of the theory of knowledge, formal logic, and scientific methodology]*, Wrocław-Warszawa- Kraków, Ossolineum.
8. Popper K. R. (1977) *Logika odkrycia naukowego [The logic of scientific discovery]*, Warszawa, PWN.
9. Turner J. H. (2004) *Struktura teorii socjologicznej [The structure of sociological theory]*, PWN, Warszawa.
10. Ziemiński Z. (1997) *Logika praktyczna [Practical Logic]*, Warszawa, PWN.

ECTS (1 point -25-30 of student's work)

Type of work	Hours
Contact hours (with teacher)	15
Self-education	10
Total = 25 hrs. = 1 ECTS	

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Course curriculum author