University of Gdańsk

Subject card

Subject name and code	Measurement and Scaling Techniques - lecture, PG_00149027						
Field of study	Sociology						
Date of commencement of studies	October 2027		Academic year of realisation of subject	2027/2028			
Education level	Master's studies		Subject group	Obligatory subject group in the field of study Subject group related to scientific research in the field of study			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	1		Language of instruction	Polish			
Semester of study	2		ECTS credits	1.0			
Learning profile	academic		Assessment form	exam			
Conducting unit	Institute of Sociology -> Faculty of Social Sciences -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Maciej Brosz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		2.0		8.0	25
Subject objectives	Regardless of the methodological strategies used and the preferred research methods, the idea of measurement is present in every research project. The course "Measurement and scaling methods in sociology" is to equip participants with the skills of selecting appropriate measurement tools for research purposes. The classes are to equip students with practical skills of selecting, building and calculating indexes, scales and, in the case of qualitative tools, typologies, categories. The topics also include issues related to modeling in sociological research.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[SOCMU2_U08] The graduate is able to analyse and understand many current social phenomena in the context of knowledge about the mechanisms of human activity, the impact of a group on an individual, the processes of change in Polish, European and world society, and is able to relate his/her understanding of these phenomena to theoretical explanations and results of social research	The graduate is capable of analyzing and selecting a measurement procedure appropriate to the social phenomenon.	[SU4] test/exam - oral or written
[SOCMU2_W06] The graduate has in-depth knowledge and understanding of quantitative and qualitative methods of sociological research, including observation, interview, document analysis and desk research, and how to develop and report research findings	The graduate has in-depth knowledge and understanding of statistical analysis tools in the process of building scales and indexes.	[SW4] test/exam - oral or written
[SOCMU2_U04] The graduate is able to forecast and model complex social processes and phenomena in various areas of social life on the basis of sociological knowledge using advanced methods of sociological research	Formulates conclusions and makes decisions based on the results of validation studies.	[SU4] test/exam - oral or written

Subject contents

The concept of measurement in research process.

The basic conepts of measurement: levels of measurement, viariables types.

The construction and application of indices

The use of scales in the analysis of quantitative data and the preparation of a research report.

Likert scale.

Thurstone scale as an example of a rank scale.

Bogardus scale a tool for measuring social distance.

Semantic differentiation test.

Guttman scale.

Prerequisites and co-requisites

Obtaining a master's degree, progressing to the second semester of studies, and understanding the sociological research methodology from the initial semester of study are all necessary.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Written exam.	40.0%	100.0%

Recommended reading	Basic literature	S. Nowak, Metodologia nauk społecznych, PWN, Warszawa 2007. H. M. Blalock, Statystyka dla socjologów, PWN, Warszawa 1975. R. Mayntz, K. Holm, P. Huebner, Wprowadzenie do metod socjologii empirycznej. PWN. Warszawa 1985. R. Suchocka, B. Suchocki, J. Walkowiak, Techniki pomiaru w socjologii, Wyd. Naukowe UAM, Poznań 1985. J. Brzeziński, Elementy metodologii badań psychologicznych, PWN, Warszawa 1984. S. Nowak (red.), Metody badań socjologicznych. Wybór tekstów. PWN. Warszawa 1965. Ch. Frankfort-Nachmias, D. Nachmias, Metody badawcze w naukach społecznych, Zysk i S-ka, Poznań 2001. M. Nawojczyk, Przewodnik po statystyce dla socjologów. SPSS Polska, Kraków 2004.
	Supplementary literature	A. Iwasiewicz (red)., Pomiar w naukach społecznych. Zbiór artykułów, Śląskie Wydawnictwa Naukowe, Tychy 2007. H. M. Blalock, Statystyka dla socjologów, PWN, Warszawa 1975.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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