

SYLABUS PRZEDMIOTU / COURSE DESCRIPTION (SYLLABUS)

1.	Nazwa przedmiotu / Course Applied statistics (Statystyka stosowana)	
2.	Dyscyplina / Discipline: Sociology	
3.	Język wykładowy / language: English	
4.	Jednostka prowadząca przedmiot / Department or unit Institute of Sociology, University of Wrocław	
5.	Kod przedmiotu / Course code:	
6.	Rodzaj przedmiotu/modułu (<i>obowiązkowy lub do wyboru</i>) / Course/module type: core (mandatory) or elective (optional): core (mandatory)	
7.	Kierunek studiów (specjalność) / University subject (programme) Master in Sociology, Speciality Intercultural Mediation	
8.	Poziom studiów / Program level: Graduate (Master Programme)	
9.	Rok studiów / Year: 1	
10.	Semestr (<i>zimowy lub letni</i>) / Semester (<i>fall or spring</i>): fall	
11.	Forma zajęć i liczba godzin (w tym liczba godzin zajęć online*) / Form of tuition and number of hours: class instruction (ćwiczenia) 30 hours	
12.	Wymagania wstępne w zakresie wiedzy, umiejętności i kompetencji społecznych dla przedmiotu/modułu / Prerequisites for taking the course: Basic knowledge of mathematics and social research methodology Computer literacy, including the basics of working with spreadsheets and word processors	
13.	Cele kształcenia dla przedmiotu / Objectives: The aim of the course is to introduce students to the principles of processing, analysis and presentation of quantitative data in sociological research.	
14.	Treści programowe / Content: Sociological research and statistics Basic concepts of statistics Introduction to SPSS / Jamovi One-dimensional distributions Descriptive statistics - measures of central tendency and dispersion Introduction to correlation analysis Cross-tabulation analysis Measures of association Hypothesis testing Regression model	
15.	Zakładane efekty uczenia się / Learning outcomes	Symbole odpowiednich kierunkowych efektów uczenia się / Outcome symbols:
	A student can formulate solutions to ethical and methodological dilemmas (emerging as a result of the potential contradictions between the interests and rights of various parties that emerge during the research), which are based on the earlier acquired normative knowledge and are in line with the regulations included in relevant normative codes.	K_W05
	A student can apply the principles of induction, deduction, statistical inference and qualitative data	K_U03

	analysis to reconstruct the causes and courses of a social process with regard to all dimensions of social life distinguished by sociology, taking into account the specificity of these dimensions (for instance, cultural, political, economic, legal, moral dimensions etc.). A student applies the procedures of verification and falsification of research hypotheses. A student can formulate hypotheses concerning the relationships between various social characteristics.	
	A student applies causal and predictive models which are used in the statistical analysis of sociological data for modeling of social processes involving complex phenomena and taking into account their multidimensional characteristics (for instance, cultural, political, economic, legal, moral characteristics etc.).	K_U04
	A student prepares in Polish and English a complex report from empirical research which includes the correctly prepared and presented analysis of empirical statistical data in accordance with the rules established for quantitative data, as well as conclusions which relate to this data. A student can make use of these skills independently of the methods used and the area of social life concerned.	K_U06
	A student enhances and develops his/her specialised and methodological knowledge with respect to the techniques of collecting, processing and analysing quantitative data and with regard to basic facts and data concerning various aspects of life in contemporary societies. S/he can independently define the areas of knowledge which s/he needs to supplement and are related to similar (social sciences) disciplines.	K_K05
16.	<p>Literatura obowiązkowa i zalecana / Compulsory and recommended literature:</p> <p>Compulsory: Illowsky, B., & Dean, S. (2015). <i>Introductory statistics</i>. OpenStax College, Texas. Anthony, D. (2011). <i>Statistics for health, life and social sciences</i>. BookBoon.</p> <p>Recommended: Field, A. (2013). <i>Discovering statistics using IBM SPSS statistics and sex, and drugs, and rock'n'roll</i>. Sage. Landau, S. (2019). <i>A handbook of statistical analyses using SPSS</i>. Chapman & Hall. Morgan, G. A., Barrett, K. C., Leech, N. L., & Gloeckner, G. W. (2019). <i>IBM SPSS for introductory statistics: Use and interpretation</i>. Routledge. Navarro DJ and Foxcroft DR (2019). learning statistics with jamovi: a tutorial for psychology students and other beginners. (Version 0.70). DOI: 10.24384/hgc3-7p15</p>	
17.	<p>Metody weryfikacji zakładanych efektów uczenia się np. / Course assessment e.g.:</p> <ul style="list-style-type: none"> - final essay (report) - tests - homeworks 	

	Final essay (report)	K_W05, K_U03, K_U04, K_K05, K_U06
	Test	K_U03, K_U04
18.	<p>Warunki i forma zaliczenia poszczególnych komponentów przedmiotu/modułu: np. / Conditions and form of obtaining a credit for particular course components e.g.:</p> <ul style="list-style-type: none"> - a report containing analyzes and presentation of empirical data from sociological research - tests to check acquired skills and knowledge 	
19.	Nakład pracy studenta/doktoranta / Student's workload	
	forma realizacji zajęć przez studenta	liczba godzin przeznaczona na zrealizowanie danego rodzaju zajęć / Estimated workload in hours
	zajęcia (wg planu studiów) z prowadzącym / classroom instruction: - wykład / lecture*: - ćwiczenia / classes (discussions)*: - inne / other:	30 h
	praca własna studenta/doktoranta (w tym udział w pracach grupowych)/ Students' own work (including group work): getting acquainted with the materials on-line preparation for classes / tests preparation of the final work	15 h 15 h 30 h
	Łączna liczba godzin / Total number of hours:	90 h
	Liczba punktów ECTS / Number of ECTS credits:	3

(T) – realizowane w sposób tradycyjny