Course code	
Type and description	Background course
ECTS credit	2
Course name	Quantitative methods in social sciences
Course name in Polish	Metody ilościowe w naukach społecznych
Language of instruction	English
Course level	8 PRK
Course coordinator	prof. dr hab. Filip Chybalski (0000-0001-9555-8741)
Course instructors	dr hab. Edyta Marcinkiewicz, prof. ucz. (0000-0002-2229-4084)

Delivery methods and course duration

	Lecture	Tutorials	Laboratory	Project	Seminar	Other	Total of teaching hours during semester
Contact hours	15	0	0	0	0	0	15
E-learning	No	No	No	No	No	No	
Assessment criteria (weightage)	0,00					0,00	

Course objective	To enable gaining knowledge on the selection and application of quantitative methods of data analysis
Learning outcomes	After completing the course, PhD-student can understand selected notions of quantitative methods, select and apply them to the analysis of social phenomena – outcomes W1, W4, U3, K1, K2
Assessment methods	Written test. Final grade: 100% written test
Prerequisites	Not applicable
Course content with delivery methods	Lecture: 1. Basic terminology of quantitative methods 2. Organization of statistical research 3. Measures characterizing the structure of population 4. Correlation analysis 5. Dynamics analysis 6. Methods of inferential statistics 7. Regression analysis and forecasting 8. Other selected quantitative methods and their application
Basic reference materials	1. Lecturer's materials 2. Aczel A., Complete Business Statistics, Wohl Publishing, Morristown, 2012. 3. Stine R., Foster D., Statistics for Business, Pearson Education Limited, Essex, 2014.
Other reference materials	1. Baltagi B.H., Econometric analysis of panel data, Wiley, Chichester, 2013. 2. Wooldridge J.M., Econometric analysis of cross section and panel data, The MIT Press, Cambridge, London, 2010. 3. Makridakis S., Wheelwright S.C., Hyndman R.J., Forecasting, John Wiley & Sons, Hoboken, 1998.
Average student workload outside classroom	35h
Comments	-
Last update	2022-01-11