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| FACULTY: | Faculty of Humanities |
| FIELD OF STUDY: | Pedagogical Studies |
| ERASMUS COORDINATOR OF THE FACULTY: | Anna Hajek, MA  Wiesław Trojanowicz, MA |
| E-MAIL ADDRESS OF THE COORDINATOR: | Anna.hajek[@tu.koszalin.pl](mailto:jolanta.sypianska@tu.koszalin.pl)  [trojanowicz@op.pl](mailto:trojanowicz@op.pl) |
| COURSE TITLE: | Social research methods with statistics |
| LECTURER’S NAME: | Bogdan Gębski, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | bgebski@sz.home.pl |
| ECTS POINTS FOR THE COURSE: | 2 |
| ACADEMIC YEAR: | **2020/2021** |
| SEMESTER:  (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 15 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | group tutorials |
| LANGUAGE OF INSTRUCTION: | Polish |
| ASSESSMENT METHOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | Class tests, continuous assessment (active participation in class) |
| COURSE CONTENT: | Program:  1. Types of sociological data:  a. Numeric - measurement scales: quotient,  b. Numerical representation - scales: nominal, ordinal, interval,  c. Answers to open questions - aggregations of natural delimitation - all scales.  Algorithm of conduct:  - review of all answers and highlighting of features,  - setting a formal number of features for a given question - e.g. 3 features,  - interpretative principle  - what features the respondents indicated in the first, second and next order: what in the context of the question asked turns out to be important for the respondent,  2. Types of questions contained in research tools,  3. The role of interpretative models - empirical relations  4. Scientific problems - structure and operationalization: Ps = (Z1 (K1 (w1 ...), K2 (w1 ...)), Z2 (K1 (w1 ...)), ..., Zn (K1 (w1 ...)))  5. Features, properties - classification,  6. Questions about opinions and questions about opinions of other types:  a. What do you think about ...  b. What do you think others think about ...  c. Analysis of open questions  7. Data encoding with Excel, SPSS and own programs. Data conversions,  8.Computer data analysis - type: free statements, hierarchization,  9.Decomposition of the database based on least squares indicators,  10.Graditional data analysis - data imaging,  11.Properties of variable empirical distribution,  a. Determining the degree of diversity of the empirical distribution variable [h-Góralski,  b. Calculation of the variable dynamics index (PAk), median,  c. Measurements of structural dependencies of variables  12. Interpretation of the weighted average and the circumstances of its use,  13. Properties of the d-Hellwig's stochastic dependence coefficient,  14. Comparison chi-square and d-Hellwiga,  15. Interpretation of Hellwig's point regression, |
| ADDITIONAL INFORMATION: | 1. Gębski B., Indukcyjne *versus* dedukcyjne myślenie w socjologii, *Acta Elbingensia,* t. III, Elbląg 2005, s. 133-138.  2. Gębski B., Wprowadzenie do metodologii badań społecznych. Problemy konstruowania modeli jakościowych badanych zjawisk, WSP TWP, Warszawa2008.  3. Michalewicz Z., Algorytmy genetyczne + struktury danych = programy ewolucyjne, WNT, Warszawa 2003.  4. Jakimowicz A., Od Keynesa do teorii chaosu. Ewolucja teorii wahań koniunkturalnych, PWN, Warszawa 2005.  5. Gębski B., Modele interpretacji w badaniach aktywności kulturalnej (w:) Studia do portretu naukowego socjologa. Księga Jubileuszowa ofiarowana Profesorowi Robertowi B. Woźniakowi [red. J. Leoński], Wyd. Naukowe Uniwersytetu Szczecińskiego, Szczecin 2002, s. 201-209.  6. Rabiej M., Statystyka z programem Statistica, Helion, Gliwice 2012. |

…… Bogdan Gębski, 22-03-2020 ..

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