**Syllabus of an educational component of a degree programme**

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| Name of unit conducting a component | ***Doctoral School of Social Sciences*** |
| Name of an educational component | **Sampling in Quantitative Research Methods** |
| Language of education | English |
| Goals of education | The main goal of this course is to equip participants with relevant knowledge, skills and awareness of using the sampling in social science research. First, the sampling design will be presented from theoretical perspective, further the application of theoretical recommendations will be used in developing skills in sampling of various research/studies. Evaluation of sampling strategies in research will be discussed at the end of course. |
| Learning outcomes of an educational component | The educational component aims to equip students in:  Knowledge:   * To know what kind of kind of sampling approach could applied for the scientific research * To know how to design the sample * To learn the sampling techniques in research * To learn about evaluation of sampling used in surveys   Skills:   * To be able to apply adequate sampling methods in research * To be able to use the various programs which can be used in sampling design and sampling procedures * To be able to assess the adequacy of using the certain ways of sampling in the specific research context   Competences:   * To develop ability of organizing the sampling process * To be open for constructive feedback about using the sampling techniques in research and provide the comments about sampling design in social science research * To be able to collaborate in preparing the sampling strategy * To be able to prepare the own sampling project/analysis in given time * To be able to apply the ethical aspects in the research |
| Verification methods and assessment criteria of learning outcomes obtained by students | * Group discussions and joint work during the course * Individual homework * Sampling design * Discussion about the sampling design |
| Type of an educational component (obligatory/optional) | Optional |
| Year of study | 1st |
| Semester | Summer |
| Name and surname of the coordinator of a component and/or person/s conducting a component | **dr hab. Jolanta Perek-Białas, prof. UJ** |
| Name and surname of person/s conducting an examination or granting credit in the case when this sposóis other person than conducting a component | **dr hab. Jolanta Perek-Białas, prof. UJ + visitors/lectures** |
| Manner of completion | Successful pass depends on active participation in the course, individual homeworks, preparation the final assignment and discussion about this final work |
| Preliminary and additional requirements | Basic Statistics |
| Type and number of hours of courses requiring  direct participation of academic staff and students, if in a given component such courses are included | 15 hours (workshop) |
| Number of ECTS credits assigned to a component | 2 ECTS |
| Balance of ECTS credits |  |
| Applied teaching methods | Workshop, Seminar, Discussion, Case study, Presentations |
| Form and conditions of passing a component, including conditions of allowing to take an examination, as well as form and conditions of passing each type of courses included in a given component | Test (20%)  Active participation in course, including homework (30%)  Sampling design project (50%)  To pass there is a need to achieve at least 60% of the total score. |
| Content of an educational module (with division into forms of courses completion) | 1. Sampling in social science – what we know and what we miss?  2. Types of complex sample in social science research - examples  3. Sampling framework and required minimum sample size  4. Effective sample size and design effects  5. Calculating the results from complex surveys  6. Evaluation of sampling designs in social research – what is missing?  7. Use of sampling in my own PhD work – tips and recommendations |
| List of basic as well as supplementary literature, knowledge of which is required in order to pass a given component | Obligatory:  Kalton, G. (2020). *Introduction to survey sampling* (Vol. 35). SAGE Publications, Incorporated.  Tillé, Y., & Matei, A. (2012). Survey sampling. *R package version*, *2*.  Kish, L. (1985). Survey sampling. 1965. *New Yory: Wiley Pty Ltd*.  Additional literature will be given at the beginning of the course |