

**DESCRIPTION OF TRAINING PROGRAMME
FOT THE DOCTORAL SCHOOL AT THE KAZIMIERZ WIELKI UNIVERSITY**

INFORMATION ON COURSE	
Course	Research methodology
Type of classes	specialist classes
Academic year	2020/2021
Field of science	social sciences
Discipline of science	psychology
Class instructor	dr Alicja Malina
Number of hours	30
Forme of classes	lecture
Pass rules	examination
Language of lecture	english
Framework learning outcomes (8 PRK)	<ul style="list-style-type: none"> • knows and understands research methodology • knows and understands to such an extent that is possible to revise existing paradigms – world heritage, including theoretical foundations, general issues and selected specific issues – specific to a scientific or artistic discipline • knows and understands the main trends in the development of the scientific or artistic disciplines covered in the curricula
DETAILED DESCRIPTION OF CLASSES	
Particular learning outcomes	<ul style="list-style-type: none"> • properly uses methodological terms such as: sample, population, variable, indicator, operationalization, research problem, research hypothesis • selects research models (experimental and correlational) correctly to the research problems, understands and takes into account the advantages and limitations of each model • knows current trends in research and new ways of measuring variables, is familiar with the methodological challenges they pose • knows the current methodological requirements for conducting research in psychology and reporting on its results
Program content implemented during classes	
<p>Systematization of knowledge about psychological research, taking into account the definitions of: sample, population, variable, indicator, operationalization, research problem, research hypothesis, in the context of experimental and correlation research models and various theoretical and research approaches.</p> <p>Methodological challenges related to modern measurement methods and research methods (e.g. neuroimaging and neurophysiological measurements, multivariate research, modelling, neural networks, intercultural research - equivalence of measurement tools, clinical research, longitudinal research).</p> <p>Contemporary methodological requirements for study planning including RCTs (Standard Protocol Items: Recommendations for Interventional Trials - SPIRIT)</p> <p>Modern reporting requirements for test results:</p>	

<p>- CONSORT stands for Consolidated Standards of Reporting Trials</p> <p>- CONSORT extensions for: pilot studies; studies on the effectiveness of non-pharmacological interventions (CONSORT-NPT); case studies (CENT)</p> <p>The role and methodology of systematic reviews and meta-analyses. Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines.</p>	
Didactic methods	Lecture, conversational lecture, study materials analysis, discussion
Assessment methods and criteria	Written test. The condition for passing the exam is to score at least 60% of the possible points.
Passing rules	Examination
Basic literature	<p>Brough, P. (Ed.) (2019). <i>Advanced research methods for applied psychology: design, analysis and reporting</i>. London, New York: Routledge Taylor & Francis Group.</p> <p>Bukve, O. (2019). <i>Designing Social Science Research</i>. Cham: Springer. Open access book: https://link.springer.com/book/10.1007/978-3-030-03979-0</p> <p>Chan, A., Tetzlaff, J.M., Gøtzsche, P.C., et al. (2013). SPIRIT 2013 explanation and elaboration: guidance for protocols of clinical trials. <i>BMJ</i>; 346 :e7586</p> <p>Goodwin, J. C. (2010). <i>Research in Psychology. Methods and Design</i>. Hoboken, NJ: John Wiley & Sons, Inc.</p> <p>Moher, D., Hopwel S., Schulz, K.F. (2010). CONSORT 2010 Explanation and Elaboration: updated guidelines for reporting parallel group randomised trials. <i>BMJ</i>; 340:c869</p> <p>Wilson, M., Fisher, W. M. (Eds.) (2018). <i>Psychological and Social Measurement</i>. Cham: Springer. Open access book: https://link.springer.com/book/10.1007/978-3-319-67304-2</p> <p>Reports and checklists available on the webpages: www.consort-statement.org www.spirit-statement.org www.prisma-statement.org</p>
Supplementary literature	<p>Bos, J. (2020). <i>Research Ethics for Students in the Social Sciences</i>. Cham: Springer. Open access book: https://link.springer.com/book/10.1007/978-3-030-48415-6#authorsandaffiliationsbook</p> <p>Hugdahl, K. (2003). <i>Experimental Methods in Neuropsychology</i>. Boston: Springer. Open access book: https://link.springer.com/book/10.1007/978-1-4615-1163-2#editorsandaffiliations</p> <p>Liampunttong, P. (Ed.) (2019). <i>Handbook of Research Methods in Health Social Sciences</i>. Singapore: Springer. Open access book: https://link.springer.com/referencework/10.1007/978-981-10-5251-4#toc</p> <p>Richardson, P., Vine, E., Goowin, A. (2011). <i>Research Methods and Design in Psychology</i>. Exeter: Learning Matters, Ltd</p> <p>Zaroff, Ch. M., D'Amato, R. C. (Eds.) (2015). <i>The Neuropsychology of Men. A Developmental Perspective from Theory to Evidence-based Practice</i>. New York: Springer. Open access book: https://link.springer.com/book/10.1007/978-1-4899-7615-4</p> <p>Other materials available on the webpages: www.consort-statement.org www.spirit-statement.org</p>

	www.prisma-statement.org Materials found independently by the PhD student (in consultation with the lecturer) and related to his/her research work
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ATTACHMENT FOR DESCRIPTION OF TRAINING PROGRAMME

Course	Research methodology
Forme of classes	stationary / <u>manual</u> / mixed model*
Methods and techniques distance learning	Lecture, conversational lecture, study materials analysis, discussion
Form and date of individual consultations *	On-site consultations, room 114, Faculty of Psychology (Staffa St. 1), Tuesdays from 15.30 to 16.30
Form of passing of assessment / examination	1. orally / <u>written</u> 2. <u>manual</u> / stationary Test on MS Teams platform