

Course code																																	
Type and description	Background Course																																
ECTS credit	2																																
Course name	Methods of Scientific Research																																
Course name in Polish	Metodyka pracy badawczej																																
Language of instruction	English																																
Course level	8 PRK																																
Course coordinator	Prof. dr hab. inż. Agnieszka Zakrzewska-Bielawska (0000-0001-8182-3591)																																
Course instructors	Prof. dr hab. inż. Magdalena Grębosz-Krawczyk (0000-0001-8339-2270)																																
Delivery methods and course duration	<table><tr><th></th><th>Lecture</th><th>Tutorials</th><th>Laboratory</th><th>Project</th><th>Seminar</th><th>Other</th><th>Total of teaching hours during semester</th></tr><tr><td>Contact hours</td><td>0</td><td>15</td><td>0</td><td>0</td><td>0</td><td>0</td><td>15</td></tr><tr><td>E-learning</td><td>No</td><td>No</td><td>No</td><td>No</td><td>No</td><td>No</td><td>No</td></tr><tr><td>Assessment criteria (weightage)</td><td>0,00</td><td>1,00</td><td>0,00</td><td>0,00</td><td>0,00</td><td>0,00</td><td></td></tr></table>		Lecture	Tutorials	Laboratory	Project	Seminar	Other	Total of teaching hours during semester	Contact hours	0	15	0	0	0	0	15	E-learning	No	No	No	No	No	No	No	Assessment criteria (weightage)	0,00	1,00	0,00	0,00	0,00	0,00	
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Course objective	<p>To enable gaining knowledge and skills:</p> <ol style="list-style-type: none">1. in searching and formulating research problems in social sciences, especially in the management and quality studies.2. in formulating research objectives and hypotheses in social sciences, especially in the management and quality studies.3. in development of scientific papers in social sciences, especially in the management and quality studies.4. in presenting the research results.																																
Learning outcomes	<p>After completing the course, PhD-student is able to:</p> <ol style="list-style-type: none">1. define cognitive gaps in relation to a specific area of social sciences – W4, U1, K12. formulate a research problem, put forward hypotheses and research questions – W4, U1, U2, K13. select and apply the discussed methods of literature review – W4, U1, U2, K14. construct the research paper – W4, U1, U2, K15. present the research results - U1, U2, K1																																
Assessment methods	<p>Learning outcomes 1-4 – paper Learning outcome 5 – presentation</p> <p>The final evaluation is based on:</p> <ul style="list-style-type: none">- preparation of theoretical part of article (80% of final grade)- presentation (20% of final grade)																																
Prerequisites	not applicable																																
Course content with delivery methods	<p>TUTORIALS</p> <ol style="list-style-type: none">1. Searching for cognitive gaps2. Principles of formulating research problems, goals, hypotheses and research questions3. Scientific databases and their resources4. Method of analysis and criticism of the literature5. Methodology of systematic literature review																																

	6. Meta-analysis 7. Rules of presentation of the research results
Basic reference materials	1. Booth A., Sutton A., Papaioannou D., Systematic Approaches to a Successful Literature Review, Sage Publications Ltd, London 2016. 2. Czakon W. (red.), Podstawy metodologii badań w naukach o zarządzaniu, Oficyna a Wolters Kluwer business, Warszawa 2015. 3. Saunders M., Lewis P., Thornhill A., Research Methods for Business Students, Pearson Education Limited, Edinburgh 2009.
Other reference materials	1. Bryman A, Bell E., Business Research Methods, Oxford University Press, Oxford 2011. 2. Jesson J., Matheson L., Lacey F.M., Doing Your Literature Review: Traditional and Systematic Techniques, Sage Publications Ltd, London 2011 3. Kumar R., Research Methodology. A step-by-step Guide for Beginners, Sage Publications Ltd, London 2011.
Average student workload outside classroom	35h
Comments	-
Last update	07.01.2022