<table>
<tr><td>Course code</td><td></td></tr>
<tr><td>Type and description</td><td></td></tr>
<tr><td>ECTS credit</td><td>2</td></tr>
<tr><td>Course name</td><td>Methods of Scientific Research (Sem 1/ Second half)</td></tr>
<tr><td>Course name in Polish</td><td>Metodyka badań naukowych</td></tr>
<tr><td>Language of instruction</td><td>English</td></tr>
<tr><td>Course level</td><td>8 PRK</td></tr>
<tr><td>Course coordinator</td><td>dr hab. nt. Artur Zaguła, prof. PŁ</td></tr>
<tr><td>Course instructors</td><td>dr hab. nt. Artur Zaguła, prof. PŁ</td></tr>
<tr><td>Delivery methods and course duration</td><td>
<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></td></tr>
<tr><td>Assessment criteria (weightage)</td><td>0,00</td><td></td><td></td><td></td><td></td><td>0,00</td><td></td></tr>
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<tr><td>Course objective</td><td>1. The aim of the course is to prepare students for conducting scientific research in the discipline architecture and urban planning - creating footnotes and bibliography, the state of research, skilful selection of methodology.

2. The aim of the subject is also to develop the ability to critically read and understand written sources regarding contemporary architecture and urban planning.</td></tr>
<tr><td>Learning outcomes</td><td>After completing the course a PhD student is able to:

1. Use different types of footnotes, create a bibliography and state of research, and select methodologies appropriate to the subject of research. W4;U1

2. Analyze the structure, research methodology and the content of scientific studies on contemporary architecture and urban planning. W4; U1

3. Critically approach and evaluate written sources regarding contemporary architecture and urban planning. U1; K1

4. Formulate own conclusions regarding scientific studies in the field of contemporary architecture and urban planning. U2; K1</td></tr>
<tr><td>Assessment methods</td><td>Effects W4 - essay

effects U1, U2, K1 – presentation, essay and disussion

The final evaluation is based on:

The result of the written text - 60%

Presentation and discussion - 40%</td></tr>
<tr><td>Prerequisites</td><td>The contents of the master degree course on the differential and integral calculus</td></tr>
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Course content with delivery methods	At the first tutorial, a list of reading material is passed to PhD students (each year selected individually with doctoral students). Next, during classes students prepare footnotes, bibliographies and become acquainted with the creation of the state of research and methodologies for conducting research in the discipline of architecture and urban planning. Readings are books and chapters in scientific or popular science books and scientific articles. During the tutorials there is a discussion about the structure, research methodology and content of the papers. Doctoral students also present the assessment and their own conclusions resulting from the reading. They have to prepare a presentation and essay.
Basic reference materials	1. E. D. Niezabitowska, Metody i techniki badawcze w architekturze, Wydawnictwo Politechniki Śląskiej 2014 2. L. Groat, D. Wang, Architectural Research Methods, Wiley 2013 3. Architektura, urbanistyka, nauka, pod red. S. Gzella, PWN 2019 4. R. Lucas, Research Methods for Architecture, Laurens King Publishing 2016 5. Determined each year individually with doctoral students.
Other reference materials	
Average student workload outside classroom	35 h
Comments	
Last update	