

# Subject description

Faculty of Architecture, WUT 2020, **Architecture** studies

**Architecture for Society of Knowledge** speciality

<b>INTRODUCTION TO RESEARCH METHODOLOGY</b>		<b>ASK4-D-Ir</b>	<b>MSc level</b>	<b>semester 4</b>
Classes: <b>seminar</b>	Hours/semester <b>15</b>	Student's workload hours: <b>33</b>	Status: <b>obligatory</b> Level: <b>Advanced Diploma module</b>	ECTS: <b>2</b>
				Exam: <b>no</b>

**Unit delivering this subject:** Katedra Projektowania Architektonicznego  
Pracownia Projektowania Architektonicznego Wspomagane  
Komputerem

**Subject coordinator:** prof. nzw. dr hab. inż. arch. Małgorzata Rozbicka

## Learning outcomes and subject delivery methods

### Objective of the course:

The goal of this seminar is to introduce student to the basic principles for conducting scientific research, designing studies and documentation, and the presentation of results in the form of written work. The shaping of skills for selecting sources from literature, formulating the research problem, and selection of ways to reach conclusions that shall be useful for the proper shaping of written semester papers as well as the final master's essay.

### General description of the course:

In the initial phase, classes shall be conducted in the form of theoretical lectures, followed by open discussions based on analysis of essay fragments, conference publications, and short texts prepared by the students.

The seminar shall be concluded with a series of individual consultations conducted using the e-learning platform, whose subject shall be the semester essays relating to the architectural design.

### Learning outcomes:

No. of the outcome/ area	Description
<b>Knowledge</b>	
ASK_T7 W01	Has knowledge of the theoretical foundations of scientific reasoning in a scope useful for the conscious implementation of project tasks and in interpretation of scientific texts
<b>Skills</b>	
ASK_T7 U01	Has the ability to extricate information from literature, data bases and other sources, including those in a foreign language accepted as a international communication standard; has the ability to integrate extracted data, make interpretations, analyses and establish conclusions and formulate and justify opinions and demonstrate their relationship with the design process
<b>Social competences</b>	
2ASK_T7 K01	Understands the need and knows how to approach the issue of life-long education process (second and third level studies, post-diploma courses, workshop and training sessions etc.) – in order to achieve a higher professional , personal and social competence standards, including complementing knowledge and skills of the interdisciplinary character

**Learning contents:**

- Selection and valuation of textual sources
- Shaping the structure of research work
- Conducting and documenting scientific research
- Presenting research results
- Formatting the text of the scientific paper, formatting styles
- Copyright covering a scientific work, quotes
- Preparing conference publications

**Teaching methods and forms :**

The seminars start with a short lecturers introduction. Next students present the topic of their diploma work, followed by the outline of work on theoretical essay.

Seminar accompanying the final design, obligatory;  
 Individual activities, including activities in distance mode;  
 Parallel operation on an e-learning platform serving as a store for course resources and a communication tool;  
 Evaluation together with the final design.

**Method of testing the learning outcomes:**

<b>Outcome number</b>	<b>Way of testing</b>
<b>Knowledge</b>	
ASK_D7 W_01	Evaluation of the presentation during the seminar
ASK_D7 W_02	As above.
<b>Skills</b>	
ASK_D7 U_01	Evaluation of the presentation during the seminar
ASK_D7 U_02	As above.
<b>Social competences</b>	
ASK_D7 KS_01	ASK_D7 .
ASK_D7 KS_02	As above.

**Literature:**

E. D. Niezabitowska, Research Methods and Techniques in Architecture, Taylor & Francis, 2018  
 Linda Groat and David Wang, Architectural Research Methods, Wiley, New York, 2002