

RESEARCH METHODOLOGY**2026/27. 1. SEMESTER**

BASIC INFORMATION		
COURSE NAME	Research Methodology / Kutatásmódszertan	
COURSE CODE	YAXREMF MNF	
DEPARTMENT	Obuda University Ybl Miklós Faculty of Architecture and Civil Engineering, Institute of Architecture, Department for Built Environment	
PROGRAMME	Architect MSc full time; ERASMUS exchange studies	
COURSE INSTRUCTOR (managing the course)	Dr. habil. Fácányi Zsuzsa, associate professor	faczanyi.zsuzsa@ybl.uni-obuda.hu, Office hours by email arrangement, in online form.
LECTURER	Janurikné dr.Soltész Erika, assistant professor	soltesz.erika@ybl.uni-obuda.hu, Office hours by email arrangement, in online form.
PREREQUISITES	none	
HOURS OF LECTURES	2 hours	
ASSIGNMENT	tests, tasks and final exam	
CREDITS	3 credits (ECTS)	
Aim of the course	The aim of the course is to introduce the methodology of research in the fields of architecture and architectural sciences and to encourage research in these fields. Completion of the course will develop the researcher's approach, prepare him/her for obtaining a doctoral degree in architecture, planning research and research projects.	
Required literature	Earl Babbie (2010, 2007): The Practice of Social Research, Wadsworth, Cengage Learning Umberto Eco (2015): How to Write a Thesis, The MIT Press; Translation Edition Jennifer Mason (2002): Qualitative Researching, SAGE Publications Rajasekar, D., & Verma, R. (2013). Research methodology. Archers & Elevators Publishing House. Gupta, A., & Gupta, N. (2022). Research methodology. SBPD Publications. Pandey, P., & Pandey, M. M. (2021). Research methodology tools and techniques. Bridge Center. Mishra, S. B., & Alok, S. (2022). Handbook of research methodology. Educreation publishing. Novikov, A. M., & Novikov, D. A. (2013). Research methodology: From philosophy of science to research design. Crc Press.	
Recommended literature	Popper, Karl (1959): The Logic of Scientific Discovery (2002 pbk; 2005 ebook ed.). Routledge Thomas Kuhn (1962): The Structure of Scientific Revolutions, University of Chicago Press Paul Feyerabend (1982): Science in a Free Society, London, Verso	

LECTURES - Monday 13:30-15:10 (online and in class are altering)		TASKS
7. September	Opening ceremony of the Obuda University (no class)	
14. September (room C2)	Information about the course, defining of the topic of the 1. task, finding the groups	
21. September (self-study)	1. Academic Language in Research 2. Science vs Pseudoscience. Motivation, Research Approaches	Self-check test after every lesson 14:25 Online consultation is available upon request. Please indicate your request in an email the day before.
28. September (self-study) - 30. Sept. Complex 1. task presentation	3. The Purpose of the Research, Research Question; Hypothesis. Exploring the Literature 4. Research methodology. Qualitative data collection, questionnaire and interview	Self-check test after every lesson 14:25 Online consultation is available upon request. Please indicate your request in an email the day before.
5. October	Community and Urban Planning workshop (no class)	
12. October (self-study)	5. Research Results. Evaluation, Validation 6. Research Analysis - the Purpose of the Research and the Problem Formulated. Research Questions and Hypotheses	Self-check test after every lesson 14:25 Online consultation is available upon request. Please indicate your request in an email the day before.
18. October (room C2)	TASK 1 – PRESENTATION: Literature Review and Research Questions related to the 2. task of the Complex Design. Moodle submission deadline: October 16, late submission deadline: October 23, with a minus one-grade penalty. (The submission link will close on this date.) The presentation will be given by 3 randomly selected groups. Text file can be presented, no need to prepare a ppt presentation.	
26. October (self-study)	Online test in Moodle covering the theoretical material (Lessons 1–5) – this also serves as exam preparation. The test is automatically graded and scored, with a maximum of 10 points.	
2. November (self-study) - 4. Nov. Complex 2. task midterm presentation	7. Research Analysis - Context of the Research, Methodology, Data Collection. Results and Conclusions 8. Research Analysis - Title, Purpose, Results and Abstract of the Research. Structure and Format	Self-check test after every lesson 14:25 Online consultation is available upon request. Please indicate your request in an email the day before.
9. November (self-study)	9. Research Design - Literature Review, Citation vs Plagiarism. Citation Rules and Tools 10. Research Design - Graphic Research Design. The Role of Visuality in Research	Self-check test after every lesson 14:25 Online consultation is available upon request. Please indicate your request in an email the day before.
16. November (room C2)	TASK 2 - PRESENTATION: How the literature review and the formulation of research questions informed the design process, and how the research questions can be answered on the basis of the design work. Deadline for uploading the presentation to Moodle: November 16., late submission deadline: November 30., with a minus one-grade penalty. (The submission link option will close on this date.) The presentation will be given by 3 randomly selected groups.	
23. November	Holidays (no class)	
30. November (self-study) - 2. Dec. Complex 2. task final presentation	11. Research Design - The Research Design. Research Structure and the Table of Contents 12. Research Design - The Role of the Abstract, its Elements and Style. Advice on How to Write a Full Text	Self-check test after every lesson.
7. December (room C2)	Consultation for the exam, how to register for it in the Neptun, (last day of the educational period 12. December)	

REQUIREMENTS FOR ABSOLVING THE COURSE		
REQUIREMENTS FOR OBTAINING THE SIGNATURE		
GENERAL REQUIREMENTS	COURSE PARTICIPATION: First-year full-time students are required to attend lectures; in this hybrid course 4 onsite classes are announced. In case of a certified absence exceeding 30% of the total number of hours per semester, the student may not receive a signature. Absence does not give an exemption from the performance of the tasks; the student is obliged to complete them no later by the end of the educational period. (Pursuant to § 46 ETVSZ)	
	Completion of the course requires students to complete the self-assessment tests available in Moodle, achieve a minimum score of 50% on the final test covering the theoretical component, and attend the in-person classes. Both tasks must be uploaded to Moodle by every group. AI tools may be used as a supporting tool in preparing the assignments. However, in cases of plagiarism, i.e. violation of the provisions set out in Section 4(2) of Óbuda University's Code of Ethics, the course instructor may refuse to accept the student's completion of the course. Furthermore, the University may initiate disciplinary proceedings in accordance with Section 90 of the HKR/Study and Examination Regulations (TVSZ).	
1. GROUPTASK	LITERATURE REVIEW AND FORMULATION OF RESEARCH QUESTIONS Thematic literature review on the topics selected for the Complex Design 2. design project, following the approach presented in the theoretical lectures. Formulation and discussion of five research questions related to the chosen topic. A 3–5-page written document (A4) must be uploaded to Moodle (Calibri 11 pt, 1.5-line spacing, standard margins). Submission deadline: October 16 Late submission deadline: October 23 (minus 2 points). The submission link will close on this date. The assignment will be presented by one randomly selected group.	20 points
2. GROUPTASK	REFLECTION ON THE RELATIONSHIP BETWEEN RESEARCH AND DESIGN The task is to demonstrate and evaluate how the work completed for Task 1 (the literature review and formulation of research questions) contributed to and informed the design process. The presentation should also demonstrate the answers to the research questions that emerged through the design process. A 5–7-slide presentation must be uploaded to Moodle. Submission deadline: November 16. Late submission deadline: November 30. (minus 2 points). The submission link will close on this date. The task will be presented by one randomly selected group.	20 points
MOODLE TASKS	LANGUAGE AND SPELLING TEST Written, essay-style tasks A test to assess the acquisition of the most common spelling and language-use issues discussed in the relevant section. A minimum score of 70% is required to proceed to the theoretical blocks. Not graded. MULTIPLE-CHOICE SELF-ASSESSMENT TESTS The self-assessment tests must be completed continuously, block by block. Not graded. RESEARCH METHODOLOGY THEORY TEST A test consisting of open-ended questions. A minimum score of 50% is required to proceed to the Analysis of Research and Designing an Independent Research Project blocks. Maximum: 10 points.	10 points

OBTAINING THE SIGNATURE	If the above semester requirements is not fulfilled, the course signature will be refused in accordance with the applicable university regulations. During the first ten working days of the examination period, students may make one attempt to obtain the course signature, upon payment of the service fee specified in JUTTÉR, under the following conditions: individual assignments that have been submitted but have not reached the minimum required score may be resubmitted to make up for the deficiency.
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SEMESTER CLOSING REQUIREMENTS		
EXAM	After obtaining the signature the student must register for the exam in the Neptun during the exam period. Please be aware that 3 exams will be announced the Neptun system in the exam period 14. December – 6. February. The exams are not online! Students must participate in person! First part of the exam is a written task about the terminology of research methodology, and an analysis of a given abstract. The second part is an oral exam, in which we will discuss the written task and explore the knowledge of the students. The exam will be evaluated with 0-50 points, at least 30 points must be obtained to pass the exam.	50 points

COURSE GRADE	0-60 points	61-70 points	71-80 points	81-90 points	91-100 points
	1 failed	2 passed	3 satisfactory	4 good	5 excellent

06. September 2026

Dr. habil. Fácányi Zsuzsa, Janurikné dr. Soltész Erika, course lecturers