

Prerequisite status:  -	Unit Type:  Theoretical - practical	The number of units:  2	Name of the lesson:  <b>Research Method in Urban Planning</b>
Type of additional practical training: Has it <input checked="" type="checkbox"/> does not have <input type="checkbox"/> Science travel <input type="checkbox"/> Laboratory <input type="checkbox"/> Workshop <input type="checkbox"/> Seminar <input checked="" type="checkbox"/>		The number of hours:  48	
<b>General goals:</b> Acquainting students with principles, methods, and scientific and geographical skills in urban research			
<b>Behavioral goals:</b> Creating skills to prepare a project letter in the field of urban research.			
<b>Headlines</b> <ul style="list-style-type: none"><li>- The course of scientific developments and geographical studies.</li><li>- What is research?</li><li>- The main elements of research.</li><li>- Descriptive, explanatory, and evaluation research.<ul style="list-style-type: none"><li>– Research philosophy, approaches, and strategies</li></ul></li><li>- Ontology, epistemology, methodology.</li><li>- Approaches and models of positivism, post-positivism, interpretive and critical.<ul style="list-style-type: none"><li>– The beginning and stages of a research project.</li></ul></li><li>- Research project planning.</li><li>- The research process in the real world.<ul style="list-style-type: none"><li>– Ethical principles in research.</li><li>– The domain of research methods.</li></ul></li><li>- Overview of the main research methods (Scholarly research, thinking, sources, observation, and survey).</li><li>- techniques.</li><li>- Choice of methods.<ul style="list-style-type: none"><li>– Research literature review.</li><li>– Secondary data sources.</li><li>– Observation.</li><li>– Qualitative methods: introducing and collecting data.</li><li>– Questionnaire-based surveys: typology, design, and coding.</li></ul></li></ul>			

- Experimental research.
- Case study method.
- Sampling: quantitative and qualitative.
- Secondary data analysis.
- Qualitative data analysis.
- Survey data analysis.
- Statistical analysis.
- Preparation of research report: expression of research results.
- Choosing a topic and preparing a research plan by each student and presenting it in the form of a seminar.

## Reference

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- 3- Hafez Nia, Mohammad Reza (2017). An introduction to research methods in humanities, Samt Publications, Tehran.
- 4- Rahnama, Mohammad Rahim and Maroufi, Ayoub (2015). Scenario planning in urban and regional studies (concepts, methods, and experiences), Mashhad Islamic Council Research Center, Mashhad.
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- 9- Bracken, I. (2014). Urban planning methods: Research and policy analysis. Routledge.
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- 14- Silva, C. N. (Ed.). (2012). Online Research Methods in Urban and Planning Studies: Design and Outcomes: Design and Outcomes. IGI Global.
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- 16- Wang, X., & Hofe, R. (2008). Research methods in urban and regional planning. Springer Science & Business Media.
- 17- Ward, K. (Ed.). (2020). Researching the city: a guide for students. SAGE Publications Limited.