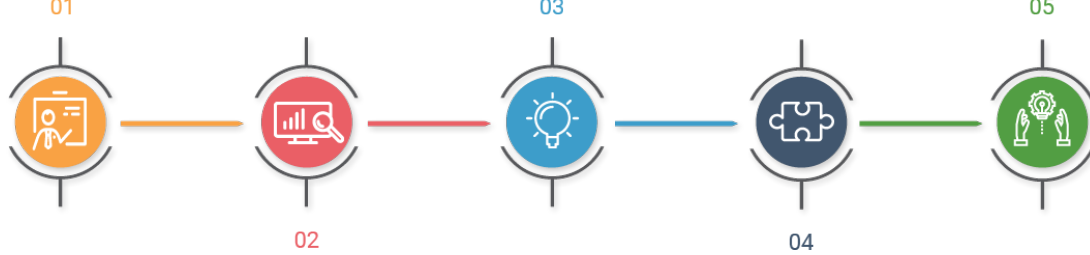


Landscape Architecture 620

RESEARCH METHODS

With Robert Ribe Winter 2022 Tuesdays, 2-3:50 405A Lawrence Hall

[Priority to landscape architecture graduate students, others if space available]



Cumulative Topical Structure:

1. Forms of research undertaken by professional designers
2. Forms of research undertaken by professional planners
3. Forms of research undertaken by design teachers
4. Normative dilemmas between values and objectivity
5. Goals and objectives of research
6. Various types of validity that strengthen research and make it credible
7. Types of research questions and their types of validity and reliability
8. Types of research to inform design and their opportunities and limitations
9. Design stances, conceptual breakthroughs, strategies, and processes
10. Design as research, art as research, and research by doing design
11. Research to assist those doing design
12. Building on and adding to others' research
13. Formulating research questions and agendas
14. The role of conceptual models and theories
15. Methods for pursuing evidence
16. Methods for tying it all together
17. Tailoring your research and design process

Exploratory Student Work

Arrive at class with a focused set of ambitions for your Master's project. What problem or issue do you want to help solve? Is there a place that you would like to design or better understand? Are there designs or studies you want to build from?

All will share a sequence of assignments. These will be differentiated according to students' topical interests and concerns. For each assignment, a presentation will be prepared and shared with the class for discussion. The tentative sequence is:

1. Categorized examples of research related to designs addressing your topic
2. Selecting a few examples and specifying their normative and objective points
3. Diagramming the argument of a research article
4. Specifying validity types in selected research examples about your topic
5. Formulating researchable questions, conceptual models, and design stances
6. Designing a design experiment and another experiment
7. Your Master's project precis and prospectus