



ARC 6947 Research Methods

Instructor: Assoc. Prof. Gray Read (readg@fiu.edu); Assoc. Prof. Winifred E. Newman (wenewman@fiu.edu)

Office Hours: Please see individual instructors for times, office location and phone contact.

Turnitin Course Number 8443528, password: research.

SEMINAR: Wed 11:00-1:15 PM, PCA 171, switched to PCA 240
Fall 2014

COURSE OUTLINE

Synopsis:

The course assists students in defining a research project and designing appropriate methods, objectives and measures. Course material addresses methods of data acquisition, analysis and interpretation for research in architecture.

Content and Organization:

This is a seminar course that meets once a week. It will be open to all graduate level students, but is required of the MAA and History Certificate cohort and advanced undergraduates with permission of the Chair.

Requirements:

Regular attendance is mandatory and active participation in discussions is required. Short papers and questions to facilitate class discussion are required.

Student Rights and Responsibilities: "Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an

equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook."

Policies on academic misconduct, sexual harassment, and religious holidays, and information on services for students with disabilities: Please refer to University policies in the FIU Student Handbook.

Student Work: The School of Architecture and the Department of Architecture reserve the right to retain any and all student work for the purpose of record, exhibition and instruction. All students are encouraged to photograph and/or copy all work for personal records prior to submittal to instructor.

Students with Special Needs: Students who may need auxiliary aids or services to ensure access to academic programs should register with the Office of Disability Services for Students.

Participation and Attendance: Class and section attendance and punctuality is mandatory. There is no distinction between unexcused and excused absences. All students expected to arrive on time and stay for the duration of the lecture. Each student is allowed **two** unexcused absences. At the third unexcused absence, the grade for the semester drops by one whole letter grade. At the fourth absence, the student receives a failing grade in the course. Attendance will be checked at each class and recorded. A note from an authority accepted by university policy (eg. medical doctor, judge, police officer, etc.) must accompany excused absences. Tardiness to class is unacceptable and late arrivals or early departures will be noted and may be counted as absences.

Work in the course is subject to all university rules on academic misconduct. Plagiarism, the use of ideas or words of another person as if they were one's own or without crediting the source, is strictly forbidden. Arrangements for late submission of work must be made in advance and will be at the discretion of the instructor.

Assignments

Assignments will focus on short writing problems that will be discussed in a seminar format.

Schedule and Required Readings

MODULE 01 | THE QUESTION_Read

Module 01 explores how to develop research questions that are both meaningful and accessible to analysis. The class discusses how different kinds of research (historical, experimental, design) can address the large issues facing our field by framing smaller questions that can be answered.

W01: August 27 What is research in Architecture?

Reading: Jeremy Till, What is Architectural Research? (RIBA Memorandum, 2005)

W02: September 3 – One Topic queried from many angles

Reading: David Leatherbarrow, "Breathing Walls" in *Architecture Oriented Otherwise* (PAP, 2009)

Assignment: Take excellent notes and write answers to the given questions (complete sentences please) (Due Sept 3) We will discuss the article in class

W03: September 10 - Large questions and small questions

Reading: Merete Madsen, "Light-zone(s): as Concept and Tool"

Assignment: Take excellent notes and write answers to the given questions (complete sentences please) (Due Sept 3) We will discuss the article in class

W04: September 17 – What are you doing? Individual meetings

Assignment: Write a 3-page paper describing the large question and several small questions that your project could potentially answer through research. Explain how your project will contribute to the field. (Due Sept 24 in class)

W05: September 24 –Talking a proposal through with a partner

Assignment: Prepare an annotated bibliography of at least 15 books and articles (web pages do not count) that are central to your own project. Each entry should have a couple of sentences describing the central thesis of the author (Due October 1 in class)

W06 October 1 - What is relevant and what isn't

Reading: Choose a paper or book chapter from your bibliography and analyze the research goals and techniques

W07 October 8 - Ethics of Research

Wrap up this module

MODULE 02 | GENERAL AND APPLIED RESEARCH_Newman

Looks at the issues particular to an applied project, but useful for all projects including managing data, documentation, and fieldwork.

W08 October 15

Reading: R., Murray Thomas, "The Qualitative and the Quantitative" in *Blending Qualitative & Quantitative Research Methods in Theses and Dissertations*. R. Murray Thomas (ed), Thousand Oaks: SAGE Publications, Inc., 2003, pp: 1-14.

Neuman, Lawrence, "Analysis of Quantitative Data" (Chapter 12), in *Social Research Methods*, Allyn and Bacon, 2003, pp. 331-360.

W09 October 22

Neuman, Lawrence W. 2003. "Analysis of Qualitative Data" *Social Research Methods: Qualitative and Quantitative Approaches*, Allyn and Bacon, pp. 438-467.

Assignment: Prepare a research proposal for a 5-minute in-class presentation – Round 01

W10 October 29

Ruane, Janet M. "Some Perfectly Valid Points: Measurement, Internal, and External Validity" in *Essentials of Research Methods: A Guide To Social Science Research*, Blackwell Publishing, 2005, pp. 92-103.

W11 November 5

Reading: Terry, E. Hedrick, Leonard, Bickman, and Debra, J. Rog, 1993. "Selecting a Research Design." *Applied Research Design*. Terry E. Hedrick, Leonard Bickman, and Debra J. Rog (eds). Thousand Oaks: SAGE Publications, Inc., 1993, pp. 38-67.

Assignment: Prepare a research proposal for a 5-minute in-class presentation – Round 02

W12 November 12

No Class

W13 November 19

Reading: John, Brewer, and Albert, Hunter. "Collecting Data With Multiple Methods." *Foundations of Multimethod Research*. John Brewer and Albert Hunter (eds). Thousand Oaks: Sage Publications, Inc., 2006, pp. 58-77.

Assignment: Prepare a research proposal for a 5-minute in-class presentation – Round 03

W14 November 26

Reading: Berg, Bruce L. 1989. "Introduction to Content Analysis" *Qualitative Research Methods for the Social Sciences*. Allyn and Bacon, pp. 105-127

W15 December 3

Review

Recommended Bibliography

- K. Michael Hays. *Architecture theory since 1968* / (Cambridge, Mass.: The MIT Press,).
- Eric Paul Mumford, *The CIAM discourse on urbanism, 1928-1960* / (Cambridge, Mass.: MIT Press,).
- Joan Ockman. *Architecture culture, 1943-1968 : a documentary anthology I*, Columbia books of architecture ([New York] :: Rizzoli,, 1993).
- Wölfflin, Heinrich, and Marie Donald Mackie Hottinger. *Principles of Art History : The Problem of the Development of Style in Later Art, Dover Paper Bound ; T276*. New York,: Dover, 1956.
- Riegl, Alois, and Benjamin Binstock. *Historical Grammar of the Visual Arts*. New York: Zone Books, 2004.
- Riegl, Alois, and David Castriota. *Problems of Style : Foundations for a History of Ornament*. Princeton, N.J.: Princeton University Press, 1992.
- . *Modern Architecture : A Guidebook for His Students to This Field of Art, Texts & Documents*. Santa Monica, Calif.: Getty Center for the History of Art and the Humanities, 1988.
- Semper, Gottfried, Harry Francis Mallgrave, and Getty Research Institute. *Style in the Technical and Tectonic Arts, or, Practical Aesthetics, Texts & Documents*. Los Angeles: Getty Research Institute, 2004.
- Vischer, Robert, Harry Francis Mallgrave, and Eleftherios Ikononou. *Empathy, Form, and Space: Problems in German Aesthetics, 1873-1893, Texts & Documents*. Santa Monica, CA [Chicago, Ill.]: Getty Center for the History of Art and the Humanities ; Distributed by the University of Chicago Press, 1994.
- Paul Zucker, "The Paradox of Architectural Theories at the Beginning of the 'Modern Movement,'" *Journal of the Society of Architectural Historians* X, Oct. 1951, pp. 8-14
- Kaufmann, Emil. *Three Revolutionary Architects: Boullée, Ledoux, and Lequeu*. Edited by Society American Philosophical, *Transactions of the American Philosophical Society, New Ser., V. 42, Pt. 3*. Philadelphia,: American Philosophical Society, 1952.
- Roth, Alfred. *La Nouvelle Architecture, Présentée En 20 Exemples. Die Neue Architektur, Dargestellt an 20 Beispielen. The New Architecture, Presented on 20 Examples*. Zürich,: H. Girsberger, 1940.
- Wittkower, Rudolf, and Donald M. Reynolds. *Selected Lectures of Rudolf Wittkower : The Impact of Non-European Civilization on the Art of the West*. Cambridge ; New York: Cambridge University Press, 1989.
- Quatremère de Quincy. *Architecture, Encyclopédie Méthodique*. Paris Liège: Panckoucke ;Plomteux, 1788.
- Legrand, J. G., and Jean-Nicolas-Louis Durand. *Essai Sur L'histoire Générale De L'architecture*. Nouvelle 'edition, ed. Paris,: Soyer, 1809.
- Payne, Alina Alexandra. *The Architectural Treatise in the Italian Renaissance : Architectural Invention, Ornament, and Literary Culture*. Cambridge [England] ; New York: Cambridge University Press, 1999.