

건축계획연구  
(건축연구방법론)  
Architectural Planning Research  
(Methodology in Architectural Research)

Fall Semester, 2019  
Professor Jaepil Choi

This seminar is for the first year graduate students of architecture as well as the other graduate students who are about to start their thesis or dissertation. The students will learn the methodologies for the architectural studies and research. The major topics include: (1) introductory philosophy of science, (2) relationship between architectural design and research; and (3) empirical research methodologies in detail.

All the students are required to read the reading assignments before the seminar. They take turns each week to summarize the reading assignment and present it to the class. Also, in some of the classes, the students are requested to read sample published research papers prior to the classes and to discuss their strength and weakness under the professor's supervision (like the classes in the law schools).

The term project is to write a research proposal. At the end of the semester, each student will present his or her proposal to the class.

The language for the written material is mostly English. However, the spoken language can be Korean.

## Seminar Schedule

Wk	Date	Topics	Contents	Reading Assignments	Speaker
1	09/02	Professor attends the General Meeting of Canberra Accord			
2	09/09	Introduction	<ul style="list-style-type: none"> <li>Introduction to Architectural Research: What can be a research?</li> </ul>	None	Prof. Choi
3	09/16	Research Typology	<ul style="list-style-type: none"> <li>Research Typology</li> <li>Evidence-Based Design</li> <li>Before You Do Design Research</li> </ul>	Archea Brandt Augustin	Prof. Choi
4	09/23	Research in General	<ul style="list-style-type: none"> <li>Ch01: Role &amp; Importance of Research</li> </ul>	Salkind	Student 01
			<ul style="list-style-type: none"> <li>Ch03A: Selecting a Problem and Reviewing the Research</li> </ul>	Salkind	Student 02
5	09/30	Research Methods 01	<ul style="list-style-type: none"> <li>Ch04: Observation</li> </ul>	Sommer	Student 03
			<ul style="list-style-type: none"> <li>Ch05: Mapping and Trace Measures</li> </ul>	Sommer	Student 04
			<ul style="list-style-type: none"> <li>Ch06: Experimentation</li> </ul>	Sommer	Student 05
6	10/07	Research Methods 02	<ul style="list-style-type: none"> <li>Ch07: Simulation</li> </ul>	Sommer	Student 06
			<ul style="list-style-type: none"> <li>Ch08: Interview</li> </ul>	Sommer	Student 07
			<ul style="list-style-type: none"> <li>Ch09: The Questionnaire</li> </ul>	Sommer	Student 08
7	10/14	Research Methods 03	<ul style="list-style-type: none"> <li>Ch10: Attitude and Rating Scales</li> </ul>	Sommer	Student 09
			<ul style="list-style-type: none"> <li>Ch11: Content Analysis</li> </ul>	Sommer	Student 10
			<ul style="list-style-type: none"> <li>Ch12: Personal Documents and Archival Measures</li> </ul>	Sommer	Student 11
			<ul style="list-style-type: none"> <li>Ch13: Case Study</li> </ul>	Sommer	Student 12

8	10/21	Students Discussion 01	<ul style="list-style-type: none"> <li>Sample research papers for discussion will be provided prior to this session</li> </ul>		All Students
9	10/28	Research & Statistics 01	<ul style="list-style-type: none"> <li>Ch17: Sampling</li> </ul>	Sommer	Student 13
			<ul style="list-style-type: none"> <li>Ch18: Descriptive Statistics</li> </ul>	Sommer	Student 14
			<ul style="list-style-type: none"> <li>Ch19: Inferential Statistics</li> </ul>	Sommer	Student 15
10	11/04	Research & Statistics 02	<ul style="list-style-type: none"> <li>Ch07: Data Collection &amp; Descriptive Statistics</li> </ul>	Salkind	Student 16
			<ul style="list-style-type: none"> <li>Ch08: Introducing Inferential Statistics</li> </ul>	Salkind	Student 17
			<ul style="list-style-type: none"> <li>Data Analysis Exercise Assigned</li> </ul>		Prof. Choi
11	<b>11/11</b>	<b>Professor goes to accreditation visit to UGM, Indonesia</b>			
12	11/18	Research & Statistics 03	<ul style="list-style-type: none"> <li>Data Analysis Exercise Results Presentation</li> </ul>		All Students
13	11/25	Students Discussion 02	<ul style="list-style-type: none"> <li>Sample research papers for discussion will be provided prior to this session</li> </ul>		All Students
14	12/02	Research Writing	<ul style="list-style-type: none"> <li>Ch13: Writing a Research Proposal</li> </ul>	Salkind	All Students
			<ul style="list-style-type: none"> <li>Ch14: Writing a Research Manuscript</li> </ul>	Salkind	All Students
15	12/09	Students Discussion 03	<ul style="list-style-type: none"> <li>Sample research papers for discussion will be provided prior to this session</li> </ul>		All Students
16	Sup 12/16	Research Proposal	<ul style="list-style-type: none"> <li>Research Proposal Presentations</li> </ul>		All Students
17	Sup 12/17	Research Proposal	<ul style="list-style-type: none"> <li>Research Proposal Presentations</li> </ul>		All Students

## Reading Materials

- Archea, John. Establishing an Interdisciplinary Commitment. Proceedings of EDRA 6: Responding to Social Change. EDRA, 1975, pp.285-302.
- Salkind, Neil J., Exploring Research. 7th Edition. NJ: Prentice Hall, 2009.
- Sommer, B. & Sommer, R. A Practical Guide to Behavioral Research: Techniques and Tools. 5th Edition. New York: Oxford University Press, 2002.
- Brandt, R., Chong, G. and Martin, W. Design Informed: Driving Innovation with Evidence-Based Design. New York: John Wiley and Sons, 2010.

## Evaluation

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| ▪ Class Attendance       | 10% |
| ▪ Seminar Preparation    | 30% |
| ▪ Data Analysis Exercise | 15% |
| ▪ Quiz                   | 15% |
| ▪ Term Project           | 30% |