

CRP 7201: Research Design

Sibley 208

4:45- 7:15pm Mondays

Fall 2011

3 Credits

Office Hours: Monday 2-4pm, Wednesday 2:30-4:30 pm and by appointment.

Class Web Site: <http://blackboard.cornell.edu/>

Professor Mildred Warner, mew15@cornell.edu, 255-6816, 215 W. Sibley Hall
<http://government.cce.cornell.edu>

This course will help PhD students select appropriate research design and field methods for dissertation research. The course provides a comprehensive review of the research design process and will result in each student developing his/her project proposal. The first section of the course focuses on articulating the research objectives, choosing a research paradigm, preparing the literature review, developing a fundraising strategy and ethics. The second section of the course focuses on managing the research process itself and selecting the appropriate data collection strategy. Students will develop a clearer idea of their project focus during this course as all assignments will be geared toward building a complete project proposal.

This course is strongly recommended for PhD students developing their dissertation proposals. This course is designed as an integrative preparation for researching and writing a dissertation and for building a career as a researcher. It assumes that students will be exposed to specialized literatures and in-depth research methods in other coursework, either before or after this course. The focus is on understanding the PhD as a research degree and the role that a dissertation plays in training you to be an original, creative and relevant researcher. The course exposes you to the process of creative research by sequentially exploring 1) the relationship between researcher and reader/recipient of the results; 2) how to choose researchable topics; 3) moving from question to hypothesis; 4) designing a research project; 5) understanding the strengths and weaknesses of different types of evidence brought to bear on your hypotheses; 6) addressing policy inferences that could be drawn from your results; 6) thinking about audience for your work (funders, professors, future employers, future journal articles)

All required books and articles (except web based publications which can be viewed on line) are on reserve in the Fine Arts Library. You may wish to purchase books which go into detail on methods you expect to be using. We will be reading a lot of Creswell (which is lightweight and quick read) and Miles and Huberman (which goes into nice detail) so you may wish to purchase these.

Recommended Books:

Creswell, John W. 2003. *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. Thousand Oaks, CA: Sage Publications.

Miles, M.B. and Huberman, A.M. 1994. *Qualitative Data Analysis: An Expanded Sourcebook*. 2nd ed. Thousand Oaks, CA: Sage.

Yin, Robert K. (2003). *Case study research: Design and methods* (Applied social research methods series (v.5). Thousand Oaks, Calif.: Sage Publications. (or 1994 version)

Gaber, John and Gaber, Sharon (2007). *Qualitative Analysis for Planning and Policy: Beyond the Numbers*, Planners Press APA Washington, DC.

Tasshakkori, Abbas, and Teddlie, Charles. 1998. *Mixed Methodology: Combining Qualitative and Quantitative Approaches*. Sage Publications: Thousand Oaks, CA.

Lofland, John, & Lofland, Lyn H. (2006). *Analyzing social settings: A guide to qualitative observation and analysis*. Belmont, CA: Wadsworth/Thomson Learning. Or 1995 version

Denzin, Norman K. and Lincoln, Yvonna S. (1994 and 2005) (eds). *The Sage Handbook of Qualitative Research*. Third Edition. Thousand Oaks: Sage Publications. Or 1994 version.

Axinn, William and Lisa Pearce, (2006) *Mixed Method Data Collection Strategies*, Cambridge, Univ Press, NY, NY

Assignments and Grading

Class participation is critical. Students must be prepared to discuss readings in class. Written summaries of readings will be required. Small writing assignments will be due almost weekly. Article summaries and other written assignments must be posted to Blackboard class web site 24 hours in advance of class discussion so I and other students can review and give you comments in class. Students will be assessed on the quality of their critiques of each other’s work. Each class will be a mix of discussion of articles and of progress on your own work. The goal is to help you advance in development of your dissertation ideas and research design plans.

Weekly assignments and article reviews	30%
Quality of Review of Peer’s work	15%
Concept Paper	10%
Literature Review	10%
Methodology Section	10%
Final Proposal	25%

Syllabus

August 29 Introduction and Overview of Course

Syllabus and class overview.

Writing assignment in class – 1 paragraph description of your research project with conceptual diagram.

Sept 5 – No Class, Labor Day – but read research paradigms and Qualitative or Quantitative Methods for Sept 12 and begin preparing analysis of your question as related to research paradigm and method

Sept 12 Research Paradigms and Strategy of Inquiry - Qualitative or Quantitative? Article Discussion – Post Article Summaries by Sept 11

Assignment (post to Blackboard by Sept 11): Show how your research topic could be studied under the different knowledge claims, strategies of inquiry and methods discussed. Use Figure 1.2 in Creswell as your guide.

Guba, Egon. G. and Yvonna S. Lincoln. 1994. Competing Paradigms in Qualitative Research. pp 105-117 in Handbook of Qualitative Research ed. by Norman Denzin and Yvonna Lincoln. Thousand Oaks: Sage.

Tashakkori, Abbas, and Teddlie, Charles. 1998. Mixed Methodology: Combining Qualitative and Quantitative Approaches. Sage Publications: Thousand Oaks, CA. Chapter 2 Pp. 20-40 “Pragmatism and the Choice of Research Strategy.”

Creswell, John W. 2003. Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. Thousand Oaks, CA: Sage Publications. Chapter 1 “A Framework for Design” pp 1-26

Kuhn, Thomas S. (1996). *The structure of scientific revolutions*. Chicago, IL: University of Chicago Press.

-- Required if have not read before.

Gaber, John and Gaber, Sharon (2007). *Qualitative Analysis for Planning and Policy: Beyond the Numbers*, Planners Press APA Washington, DC. Chapters 1 and 6.

Axinn, William and Lisa Pearce, (2006) *Mixed Method Data Collection Strategies*, Cambridge Univ. Press, NY, NY Chapter 1 “Motivations for Mixed Methods Social Research” and Chapter 2 “Fitting Data Collection Methods to Research Aims,” pp 28-53.

Creswell, Chapter 9 A quantitative method pp 153-178

Chapter 10 A qualitative procedure pp. 179-207

Chapter 11 Combined qualitative and quantitative designs pp. 208-227

Recommended

Morrow, R.A. with D.D. Brown, 1994. "Deconstructing the Conventional Discourse of Methodology: Quantitative Versus Qualitative Methods," *Critical Theory and Methodology*, Sage Publications: Thousand Oaks, CA, pp. 199-225.

Reason, Peter. 1994 Three Approaches to Participative Inquiry pp 324-229 in *Handbook of Qualitative Research* ed. by Norman Denzin and Yvonna Lincoln. Thousand Oaks: Sage.

Tashakkori, Abbas, and Teddlie, Charles. 1998. 1998. *Mixed Methodology: Combining Qualitative and Quantitative Approaches*. Sage Publications: Thousand Oaks, CA. Chapter 3 Pp. 40-58 "Research design issues for mixed method and mixed model studies." Chapter 5 Pp. 95-111 "Data collection strategies and research procedures."

Sept 19 Article Review and Discussion of Ethical Issues

Assignment 1: Article Review 3-5 ds pages (post to Blackboard Sept 18) - Read, critique and write a review of a research article from a top journal in your field. Discuss paradigm, method of data collection and analysis and its appropriateness to the research question. Provide a reflection on the strengths and limitations of the approach and how it might inform your own work. Include a discussion of the following elements in your review.

- Framing the problem and purpose
- Situating the study in the literature
- Informed by a conceptual and/or theoretical framework
- Appropriateness of the methods
- Researcher's role in the setting
- Quality of findings
- Ways researcher analyzed and represented the data

Assignment 2: Ethical Issues in Your Research

Assignment: One page list of key ethical questions you will face – Bring copies to class to share. Take Human Subjects Test (this takes about 3 hours)

Ethics

Miles, M.B. and Huberman, A.M. 1994. *Qualitative Data Analysis: An Expanded Sourcebook*. 2nd ed. Thousand Oaks, CA: Sage Publications. Chapter 11 "Ethical issues in analysis." Pp. 288-297.

Review Creswell 62-66

Review Planner's Code of Ethics

<http://www.planning.org/ethics/conduct.html> and President Farmer's statement on why code was revised. <http://www.planning.org/ethics/pdf/farmeraddress.pdf>

Review University Committee on Human Subjects Guidelines. Take test – this will take 3 hours – truly! Send proof of having taken the test to me

Here is the link to the test: <http://www.irb.cornell.edu/training/citi/>

Sept 26 Defining The Research Question – Writing a Concept Paper

Assignment - Concept Paper (1-3 pages) – post to blackboard Sept 25. We will discuss these in class

Conceptual Framework

Marshall, Catherine and Rossman, Gretchen B. 1999. Chapter 2 “The ‘what’ of the study: Building the conceptual framework” (pp. 21-54).

Creswell, Chapter 7 “Uses of Theory” pp. 119-141

Recommended

Lofland and Lofland 1995 or 2006, Chapter 1

Defining the Research Question

Miles, M.B. and Huberman, A.M. 1994. *Qualitative Data Analysis: An Expanded Sourcebook*. 2nd ed. Thousand Oaks, CA: Sage. Chapter 2 "Focusing and Bounding the Collection of Data: The Substantive Start." Pp 16-39

Writing the Concept Paper

Chapters from Creswell, 2003,

Chapter 4 Introduction, pp71-86

Chapter 5 The purpose statement, pp87-104

Chapter 6 Research Questions and Hypotheses, pp105-118

Chapter 8 Definitions, Delimitations, and Significance, pp. 142-152

Oct 3 Fundraising and Preliminary Literature Review Outline

Assignment 1: 1-2 Page Outline of key topics to cover in your literature review. Post to Blackboard by Sunday Oct 2nd

Assignment 2: Funder profiles – Identify funders for your work. Describe goals and objectives of funders and how your work might fit. Outline proposal format and funding guidelines (limitations) and time lines for each funding source. Post to blackboard by Sunday Oct 2nd.

Recommended

Justus J. Randolph, 2009. A Guide to Writing the Dissertation Literature Review, *Practical Assessment, Research and Evaluation*, 14(13): 1-13.

Creswell, Chapter 2, Review of the Literature, pp 27-48

Miller and Salkind. 2002. Pp.663-760 “Part 8: Research proposal, funding, budgeting, reporting, and career planning.” Good list of grant sources.

Bowman, Joel and Bernadine Branchaw. 1992. How to Write Proposals That Produce. Phoenix, AZ: Oryz Press. (On reserve)

(Some Useful websites)

SSRC: <http://programs.ssrc.org/dpdf/>

Fulbright: <http://fulbright.state.gov/root/resources-for/students>

Einaudi Center : <http://www.einaudi.cornell.edu/funding/grad.asp>

Lincoln Land Institute : <http://www.lincolninst.edu/education/fellowships.asp> (Latin America, China, US)

Foundations: <http://fdncenter.org>

Government: NSF: <http://nsf.gov/>

Dept of Ed.: <http://ed.gov>

Fedix (Federal funds): <http://www.sciencewise.com/fedix/>

SPIN (international) <http://www.infoed.org/wConnect/wc.dll?spinwww%7Ejumpspin>

IRIS : <http://carousel.lis.uiuc.edu/~iris/search.html>

Oct 10 – Fall Break - Select a dissertation to read and review

Oct 17 – Writing Research Proposals

George Homsy – guest discussion leader

Oct 24 – Challenges of Field Work

Lesli Hoey – guest discussion leader

Useful Background Reading

Managing Data

Miles and Huberman, Chapter 3, "Focusing and Bounding the Collection of Data: Further Design Issues.", Chapter 4 “Early Steps in Analysis.”

Marshall, Catherine & Rossman, Gretchen B. 1999. Chapter 4 Pp. 105-146 “Data collection methods.”

Recommended

Daniel Z. Meyer and Leanne M. Avery, 2009. Excel as a Qualitative Data Analysis Tool, *Field Methods* 21(1):91-112.

Lofland and Lofland, 1995 or 2006, Chapter 5, "Logging Data."

Tashakkori, Abbas, and Teddlie, Charles. 1998. Chapters 7-9 Pp. 137-166 “Examples of mixed model designs” and “Extended examples of mixed model designs.” – Some examples of research designs.

Marshall, Catherine and Rossman, Gretchen B. 1999. *Designing Qualitative Research* (3rd edition). Thousand Oaks: Sage Publications. Pp. 167-189 “Chapter 6: Planning time and Resources”.

Initial Field Reconnaissance

Gaber and Gaber, Chapter 2 “Field Research”

Site Selection

Lofland and Lofland, 2006 or 1995, Chapter 2 "Evaluating Data Sites." Chapter 3. "Getting In." Chapter 4. “Getting along.”

Sampling

Miller, Delbert C. and Salkind, Neil J. 2002. *Handbook of Research Design and Social Measurement* (6th edition). Thousand Oaks: Sage Publications. 51-56 (“Sampling”).

Recommended

Tashakkori, Abbas and Charles Teddlie. 1998. Pp.61-94 “Sampling, measurement, and quality of inference.”

Bouma, Gary D. and G.B.J. Atkinson, 1995. "Selecting a Sample," *A Handbook of Social Science Research*, Oxford University Press: New York, pp. 137-163.

Managing Overseas Research

Devereux, Stephen. (1993). *Fieldwork in developing countries*. Boulder, Colo.: L. Rienner.

Oct 31 – Dissertation Review and Class Discussion

Assignment: 3-5 page review of dissertation due Oct 30

Discuss paradigm, literature review, method of data collection and analysis and its appropriateness to the research question. Provide a reflection on the strengths and limitations of the approach and how it might inform your own work. Discuss policy implications and relevance to future job prospects and journals. Why do you think the student chose a book form or the 3 paper option? How long did the research phase take? The writing phase? (Interview the student’s chair if you can). How does this inform your own dissertation plans?

Nov. 7-21 - Data Collection Strategies - We will adjust these based on student interests

Nov 7 Assignment Due in Class– hard copy: Revised Concept Paper and Preliminary Literature Review (6-10 double spaced pages, 10-20 cites). Print this and bring it. Do not load to Blackboard

Topic #1: Data Collection Methods - Archives and Published Data

Discussion Leaders:

Assignment: Provide list of sources you will use, how you will obtain access, data definitions relevant to published data

Archival Research

Possible Guest Speaker – Jeff Chusid

Hill, Michael. 1993. *Archival Strategies and Techniques*. Thousand Oaks CA: Sage Publications. Browse. Read pages 58 - 63. Strategies for Organizing Archival Data.

Eliza Buhner's Archival Research Advice (pdf on disk)

Gaber, John and Gaber, Sharon (2007). *Qualitative Analysis for Planning and Policy: Beyond the Numbers*, Planners Press APA Washington, DC.
Chapter 5. "Content Analysis and Meta-Analysis"

Census Data:

Browse: Miller, Delbert C. and Salkind, Neil J. 2002. *Handbook of Research Design and Social Measurement*. Pp. 204-284. – Journal in social research; excellent information about sources of published data.

<http://www.issp.org/>

<http://www.norc.org/projects/general+social+survey.htm>

<http://www.icpsr.umich.edu/icpsrweb/ICPSR/access/index.jsp>

<http://library.buffalo.edu/asl/guides/busdoc/econintl.html>

<http://www.census.gov>

Topic #2: Data Collection Methods – Interviews and Focus Groups

Assignment: Bring in Interview Guide or Focus Group Plan for group discussion
Discussion Leaders:

Patton, Michael 1990. *Qualitative Interviewing*. pp 277-359 in *Qualitative Evaluation and Research Methods* Sage: London.

Gaber and Gaber, Chapter 4 "Focus Group Research"

or

Morgan, David, L. 1997. *Focus Groups as Qualitative Research*. Second edition. *Qualitative Research Methods Series*, Vol 16. Thousand Oaks, CA: Sage Publications.

Recommended

Yow, Valeire Raleigh. 2005. *Recording Oral History: A Guide for the Humanities and Social Sciences*. Second edition. New York: Altamira Press. Chapter 3 "Preparation for the interviewing project" (pp. 68-91) and Chapter 4 "Interviewing techniques" (pp. 92-

120). Also, browse Appendices A – K (pp. 335-381) for samples of interview guides and other tools.

Fontana, Andrea, & Frey, James. 1994. "Interviewing: The Art of Science." Pp361-376 in Handbook of Qualitative Research ed. by Norman Denzin and Yvonna Lincoln. Thousand Oaks: Sage.

Lofland and Lofland. 1995. Chapter 7 "Asking Questions" (pp. 123-148).

Weiss, Robert. 1994. *Learning from Strangers: The Art and Method of Qualitative Interview Guides*. New York: Free Press.

- Chapter 1-2: Overview;
- Chapter 3: Preparing the interview guide;
- Chapter 4-5: Interviewing experience

Rubin, H.J. & Rubin, I.S. (1995). *Qualitative Interviewing: The Art of Hearing Data*. Thousand Oaks, CA: Sage Publications.

Krueger, Richard A. & Casey, Mary Anne. 2000. *Focus Groups: A Practical Guide for Applied Research*. Third edition. Thousand Oaks, CA: Sage Publications. – An easy reading on designing and conducting focus groups.

Topic #3 Data Collection Methods - Survey

Possible Guest Speaker: Yasamin Miller, Survey Research Institute

Assignment: Bring in survey instrument for review

Discussion Leaders:

Dillman, D. 2000. *Mail and Internet Surveys: The Tailored Design Method* (2nd edition). NY: John Wiley & Sons. Chapter 1 "Social Exchange Motivation," Chapter 2 "Nineteen Rules for Question Writing,"

Review: Creswell, John W. 2003. Chapter 9: pp. 153-162.

Check out internet survey sites: zoomerang, <http://info.zoomerang.com/>
surveymonkey <http://www.surveymonkey.com/>

Recommended readings

Miller, Delbert C. and Salkind, Neil J. 2002. *Handbook of Research Design and Social Measurement*. Pp. 297-319 – on Guides for construction of questionnaires, selection and uses of personal interview surveys, telephone surveys, and mail questionnaire surveys.

Braverman, Marc T. 1996. "Sources of survey error: Implications for evaluation studies." *New directions on Evaluation*. 70: 17-28.

Mangione, T. 1998. "Mail surveys." Pp 399-427 in the Handbook of Applied Social Research. Edited by L. Bickman and D. Rog. Thousand Oaks, CA: Sage Publications.

Lavrakas, P. 1998. "Methods for sampling and interviewing in telephone surveys." Pp. 429-472. in the Handbook of Applied Social Research.

Fowler, F. 1998. "Design and evaluation of survey questions." Pp. 343-374 in the Handbook of Applied Social Research.

Dillman, Don A., Roberta L. Sangster, John Tarnai, and Todd Rockwood. 1996. "Understanding Differences in People's Answers to Telephone and Mail Surveys." In Braverman, Marc T. and Jana Kay Slater (eds.), *Current Issues in Survey Research, New Directions for Program Evaluation Series*, Chapter 4:45-62. Jossey-Bass: San Francisco.

Topic #4 Data Collection Methods - Case Studies

Discussion Leaders:

Assignment: Bring Case Study Research Plan for Group Discussion

Yin, Robert K. "An Abridged Version of Case Study Research" in L. Bickman and D.J. Rog, eds., *Handbook of Applied Social Research Methods*, Thousand Oaks: Sage, 1998: pp. 229-59.

Other Recommended Readings

Yin, Robert K. (2003). *Case study research: Design and methods* (Applied social research methods series (v.5). Thousand Oaks, Calif.: Sage Publications. (or 1994 version)

Stake, Robert E. 2005. "Qualitative case studies." Pp. 443-466. In *The Sage Handbook of Qualitative Research* (third edition). Edited by N. Denzin and Y.S. Lincoln.

Topic #5 Mapping, Photography and Placemaking

Mapping:

Gary W. Evans; Catherine Smith; Kathy Pezdek, February 2010. *Cognitive Maps and Urban Form*, *Journal of the American Planning Association*, 48 (2): 232 — 244.

A review of Kevin Lynch and Donald Appleyard's basic methods for mapping.

Qualitative Inquiry:

Kimberly Powell, 2010. Making Sense of Place: Mapping as a Multisensory Research Method, *Qualitative Inquiry*, 16: 539- 555.

A case study of mapping to incorporate subjectivity into fieldwork research.

Concept Mapping:

Trochim, William, 1989. An Introduction to Concept Mapping for Planning and Evaluation, *Evaluation and Program Planning*, 12: 1-16.

Photography:

Liz Wells, *Photography: a critical introduction*, NY, Routledge, 2004. (Very basic).

Joan M Shwartz/ James Ryan, *Picturing Place*, Tauris, NY, 2009.
Case studies of photographic and geographic research.

Borden, Iain, 2007. Imaging architecture: the uses of photography in the practice of architectural history, *The Journal of Architecture*, 12(1): 57-77.

Topic #6 Ethnography

Burawoy, Michael. 2001. Manufacturing the Global *Ethnography* 2: 147-159.

Marcus, George E. 1995. Multi-sited Ethnography, *Annual Review of Anthropology*, 24: 95-117.

Nov 28 Strategies of Analysis: Qualitative and Quantitative

Guest Speaker: Francoise Vermelyen from Cornell Statistical Consulting Unit, or Florio Arguillas from CISER (on qualitative methods) or others

Come with your question outlined so Francoise can help with analysis ideas

Quick Review of Major Alternative Statistical Analysis of Quantitative Data:

simultaneity, categorical, data reduction, uneven panels, nested data, autocorrelation in space or over time

Miles and Huberman. 1994. Read Chapter 10 p 245-287 and Appendix pp 311-317 for software to conduct qualitative analysis.

Recommended readings

Lofland and Lofland. 1995. Chapter 9 "Developing analysis" (p. 181-203).

Miles and Huberman. 1994. Chapters 5-9 on Techniques for qualitative data analysis. Strongly recommended for those planning to do qualitative data analysis. Also review

Huberman, A. Michael and Matthew Miles. 1994. "Data Management and Analysis Methods." Pp 428-445 in *Handbook of Qualitative Research* ed. by Norman Denzin and Yvonna Lincoln. Thousand Oaks: Sage.

Denzin, Norman. 1994. "The Art and Politics of Interpretation." Pp. 500-515 in *Handbook of Qualitative Research* ed. by Norman Denzin and Yvonna Lincoln. Thousand Oaks: Sage.

Tashakkori, Abbas and Charles Teddlie. 1998. "Alternatives to Traditional Data Analytic Strategies" Chapter 6 (pp112-136) in *Mixed Methodology: Combining Qualitative and Quantitative Approaches*. Thousand Oaks, CA: Sage.

Software for qualitative research, <http://www.audiencedialogue.org/soft-qual.html>

NUD*IST4 is probably the most used software for qualitative research.

<http://www.qsr.com.au/>

CISER supports Atlas-Ti <http://www.atlasti.com/>

Dec 5 (Reading Week) Class Discussion - Methodology Plans

Assignment: Revised Methodology Section (3-5 pages) Due Dec 4.

Writing - Read on your own

Miller, Delbert C. and Salkind, Neil J. 2002. *Handbook of Research Design and Social Measurement* (6th edition). Thousand Oaks: Sage Publications. Read Part II "Basic Guide for the Design of A Research Proposal", pp. 13-23.

Creswell, Chapter 3 "Writing Strategies" pp 49- 70.

Przeworski, Adam and Frank Salomon, 2004. *The Art of Writing Proposals: Some Candid Suggestions for Applicants to Social Science Research Council Competitions*. SSRC. http://fellowships.ssrc.org/art_of_writing_proposals/printable.html

Recommended

Miles and Huberman, Chapter 12, "Producing Reports."

Richardson, Laurel. 1994. "Writing: A Method of Inquiry." Pp 516-529 in *Handbook of Qualitative Research* ed. by Norman Denzin and Yvonna Lincoln. Thousand Oaks: Sage

Dissertation Proposal Workshop website at Berkeley has some useful information, including timelines for the entire dissertation process!

<http://globetrotter.berkeley.edu/DissPropWorkshop/>

Lofland and Lofland, Chapter 10, "Writing Reports."

Dec 12 Final Proposals Due - Hand in hard copy to my office or my mail box.