

ERMA 7220
Applied Qualitative Research¹
Auburn University - College of Education
Department of Educational Foundations, Leadership, & Technology
Fall 2012

1. **Class Time:** Wednesdays, 4:00 – 6:50pm
Location: Haley Center, Room 3228
Instructor: Carey E. Andrzejewski
334.844.3012
dr.a@auburn.edu
Office Hours: Tuesdays 3:15-4:45pm, Wednesdays 12:00-3:30pm,
and by appointment
Credit Hours: 3 semester hours
Prerequisites: ERMA 7210
2. **Date Syllabus Prepared:** August 2012
3. **Course Description:** Common advice for successful fieldwork is to eat a good breakfast. Others view the requirements of field research in a bit broader terms. Steinar Kvale's list includes the following as "minimum" competencies: Knowledge of philosophical analysis, an in-depth understanding of the development of rational thought in Western culture, a critical perspective on social trends, training in the formal analysis of language, expertise in a variety of research methods, an awareness of the ethical dimensions of human science research, and aesthetic sensibility. This section of FOUN 7220 falls somewhere between these two perspectives on preparing you to do research. Welcome to the course.

This course is based on the assumption that qualitative researchers learn their trade through both scholarship and firsthand experience (i.e., fieldwork). We take away lessons from doing our own research and from the research experiences of others. For this reason, the course has two aims. The first aim is to help you become familiar with the field's methodological literature, leading advocates, and ongoing debates. The second aim is to hone your skills conducting fieldwork, analyzing qualitative data, writing research reports, and reflecting meaningfully on these processes, including (as Kvale suggests) their theoretical, methodological, and ethical dimensions.

Each of these goal alone is ambitious, and doubly so when attempted in the same course. As a result, FOUN 7220 will make significant demands on your time. Please think carefully about your schedule and decide early whether you are able to make this commitment. The course readings will serve as the basis for class discussions and requirements, so you will miss out on a lot and experience painful boredom unless you complete the readings before the dates for which they are assigned.
4. **Student Learning Outcomes:** By the completion of this course, students will be able to: 1) conduct open and guided observations, conduct open and guided interviews, and collect

¹ This syllabus is based on syllabi by Drs. Patti Lather, Daniel Henry, Antoinette Errante, and Aaron Kuntz.

and analyze written documents; 2) design grounded surveys and engage in data reduction and preliminary analysis; 3) code (by hand and with software), categorize, and write up an array of qualitative data, experimenting with various narrative strategies in this process, including tables, graphs, and charts; 4) identify and position themselves with regard to various issues in contemporary procedures and theories of interpretation; and 5) develop skills for writing about qualitative research, both theoretically and practically.

5. **Required Materials:** [1] Berg, B. L. (2009). *Qualitative research methods for the social sciences* (7th ed.). Boston: Allyn & Bacon. [2] Bernard, H. R., & Ryan, G. W. (2010). *Analyzing qualitative data: Systematic approaches*. Los Angeles: Sage. [3] Kavle, S., & Brinkmann, S. (2009). *Interviews: Learning the craft of qualitative research interviewing* (2nd ed.). Los Angeles: Sage. [4] Van Maanen, J. (2011). *Tales of the field: On writing ethnography* (2nd ed.). Chicago: The University of Chicago Press. [5] Web access. You must have access to a web browser, and you must check your email accounts (Tiger Mail and Canvas) several times a week. [6] Supplementary resources, which will be provided by the instructor via Canvas or in class. [7] Patience, time management, and a sense of humor.
6. **Course Format:** This course utilizes a seminar format. The class meetings will include small group discussions, class discussions, lectures, and student presentations. It is important to the collective enterprise that students keep current with the assigned readings, attend class meetings, and participate in the discussions as informed members. Your participation will ensure that our time together will be productive and worthwhile.
7. **Course Policies:**
 - A. Professionals show up on time and prepared every day for work. Yes, professionals occasionally have to take sick days (or personal days), but the best professionals are always there. If you have to miss a class, you will be responsible for the notes, assignments, and other duties that have been discussed.
 - B. Professionals complete assignments on time. Assignments are due in class on the date given. Assignments handed in after this time will be considered late. **Late work is penalized 10% per day.**
 - C. Professionals use appropriate means for discussing disagreements. If you don't understand something, ask during class. If you still don't understand, email, phone, or catch me in the building. If you think you deserve a different grade, please contact me within 48 hours. Please don't be so unprofessional as to take class time to discuss grades or other points of contention.
 - D. Professionals take responsibility for their own learning. That said, my purpose is to help class members become the very best they can possibly become at this point in their professional development. Please allow me to assist in any way possible including, but certainly not limited to: listening, providing feedback, answering questions, sharing and addressing concerns, brainstorming, clarifying course content or expectations, and mediating or facilitating work with collaborating peers. Always feel free to contact me by phone or by email.

- E. Professionals give credit where credit is due. All portions of the Auburn University student academic honesty code (Title XII) will apply to university courses (see <https://sites.auburn.edu/admin/universitypolicies/Policies/AcademicHonestyCode.pdf> as posted on the University Policies website, <https://sites.auburn.edu/admin/universitypolicies/default.aspx>). All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee. Written assignments that include material that is similar to that from course reading materials or other sources should include a citation including source, author, and page number. Quotation marks should be used if the material is copied directly from the readings and in-text citations should be used (Author, year, page). If the material is paraphrased, (Author, year) should appear immediately following the paraphrased material. Failing to do so constitutes violation of the Auburn University Academic Honesty Code. In addition, written assignments that are similar or identical to those of other students in the class (past or present) is also a violation of the Code. **Finally, you may not submit the work of someone else or work that you have submitted for another class to satisfy a requirement of ERMA 7220.**
- F. Professionals understand that teaching and learning are ongoing processes for everyone. There are things I haven't thought of here. Understand that I am learning along with you and your classmates. Please help me take a collaborative approach to solving any problems that may arise.
- G. Professionals make others aware of what they need to be successful. Please inform me within the first week of class if you require adaptations or modifications to any assignment because of special needs (disabilities, religious observances, and so on).
8. **Disability Accommodations:** Students who need accommodations are asked to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by e-mail. If you have not established accommodations through the PSD office, but need accommodations, make an appointment with The Program for Students with Disabilities, 1228 Haley Center, 844-2096 (V/TT).
9. **Course Requirements and Evaluation:** See class calendar for due dates.
- A. CITI Training. The university requires online ethics in research training before you begin conducting research with human or animal subjects. **Please upload a copy of your completion certificate to Canvas by 4pm on September 5.**
- B. Reader's 'Questions' (or Comments, Points of Clarification, Discussion Topics, Ah-has, Bugaboos, etc.): Two 'questions' are due each week based on the assigned readings. Please do your best to keep them brief. The questions should be genuine; that is, **questions for which you do not have an answer.** They should also be as focused as possible and specific to the readings. As you read, ask yourself: Is there anything

puzzling about what the author is saying? Is any of the terminology confusing? What don't I understand? What particular points would I like to know more about? These questions will also be discussed in class, as time allows. Although not graded per se (only as part of the participation grade), 'questions' for all the readings are a course requirement. At its heart, research is asking questions. There will be a place to post your 'questions' to Canvas, and they are due before the start of class. The earlier you post them, the more likely it is that they will become a part of our class discussion.

- C. A Collection of Notes on the Normal Environment of a Ringing Phone: All qualitative research is ethnographic in the sense that it seeks to understand other peoples' lived worlds. For the people with whom you do research, those worlds are ordinary, as ordinary as a ringing phone. Your task is to collect notes / observations on the ways in which people (you?) react to a ringing phone over the next week. Collect sufficiently many so that you have two or three nice ones. Turn in not more than three pages of field notes.
- D. Reflective Journal: This semester, you will be asked to keep a reflective journal. The reflective journal will be a place for you to document your emerging subjectivity (i.e., those particular things about you that help and/or hinder your research), methodological learning (i.e., what you have come to understand about research practice and yourself as a researcher), and your experiences conducting fieldwork. You are required to make reflective notes here about your experiences before, during, and after each phase of the research process. That is, I will be looking for at least one, at least one-page, substantive entry in your journal for every part of your portfolio (see Section E; Those of you electing to complete Option 2 will have to think carefully about how to align your reflective journal with your proposed portfolio project.). You may integrate responses to class sessions and readings as seems appropriate. You will also craft reflective memos regarding my feedback on major projects. Your final journal entry should synthesize and summarize your growth as a researcher over the course of the semester. These should be about one page and focus on what you did do or would do based on this feedback. Feel free to use a personal tone; after all, this is about you (see Appendix A for guidelines and advice).
- E. Audit Trail: Your audit trail, on the other hand, will be less personal as it is a place to document what you have done—what data did you collect, from/with whom, when, where, how long did it take, etc? This is also a place to keep track of how your research design is evolving; this will prove invaluable when you write a methods section or chapter for the work you have done in this class. Use an organizational convention that works for you and that you think you can maintain.
- F. Qualitative Research Methods Portfolio: This class offers an opportunity to do fieldwork on a relatively small scale. Ideally, this will be a pilot or prior ethnography for your dissertation, but at the least, the course should allow you to 'practice' the major qualitative methods for generating, analyzing, and writing up data.

Please submit your portfolios in a three-ringed binder – nothing fancy, please (See course calendar for due dates.). Your portfolio is additive. That is, you should not take things out of this binder.

In recognition of the very different places at which students may be in their doctoral careers, there is *some* flexibility regarding the requirements for the portfolio.

Regardless of how you contract to structure your portfolio, as I aspire to a seminar format in this class, it is critical that you come to class having done the reading and common assignments and prepared to contribute to class discussion.

1. Option 1: A Qualitative Research Methods Portfolio in Three Parts (see Appendix B for the grade sheet.):
 - a. Part I: Data Collection (This part will require at least five reflective journal entries and is due week 7 (10/3).)
 - i. Observations—Notes from two observations, one open, the other structured or guided by a theoretical perspective where you attempt to go beyond description. (Two reflective journal entries—open observation and guided observation).
 - ii. Interview—A minimum of one, at least 30-minute, interview plus verbatim transcription. (Two reflective journal entries—conducting the interview and transcribing the interview).
 - iii. Document—At least one document you could analyze related to your field site and research question. (One reflective journal entry)
 - b. Part II: Data Analysis (This part will require at least six reflective journal entries—the five outlined below and one response to the feedback you received on your data collection portfolio. This part, along with a resubmission of Part I, is due week 12 (11/7).)
 - i. Beginning Data Reduction and Analysis—Do initial coding of data corpus, applying a priori codes and looking for emergent themes and patterns. Submit a complete codebook; a codebook is a list of codes, identifications of kind of code (e.g., a priori or emergent) and source (e.g., data or citation from the literature), operational definitions, and data exemplar (e.g., a quote or observation to which you would attach that code). (Two reflective journal entries—analysis and creating the codebook)
 - ii. Grounded Survey—Based on completed observation, interview, and document analysis, develop a 1-2 page survey instrument and administer it to at least one person. (Two reflective journal entries—developing the survey and administering the survey)
 - iii. Warrant and Assertion—Code and categorize your own data and then warrant an assertion. This entails constructing an evidentiary warrant,

(i.e., asserting a pattern or theme and warranting it with examples from your data).

More precisely, code and categorize your data and identify a recurring pattern. State the pattern and illustrate it with 2-4 quotes from your data, using an exact transcription. Do not paraphrase or “clean up” what the person said. If tone or voice or pacing is important, try to show this by the way you display the quote. Follow the quotes with two short paragraphs of interpretive commentary. In the first, explain to the reader what you think the person meant by what they said, explaining the meaning of the quote on the basis of the form and content of the quote itself (e.g., word choice, tone of voice, etc.). In the second, add whatever contextual information you need to from your field notes or reflective journal that adds meaning to the quotes or clarifies their significance.

Try to include at least one instance of disconfirming data, that is data that contradicts or doesn’t align with your assertion.

(One reflective journal entry)

- c. Part III: Writing Up Data² (This part will require at least seven reflective journal entries—the five outlined below, one response to the feedback you received on your data analysis portfolio, and one synthesizing and summarizing your growth as a researcher over the semester. This part, along with a resubmission of Parts I and II, is due finals week (12/5).)
 - i. Realist Tale—Expand your assertion and warrant into 1-2 pages that could be included in an empirical article. Remember, realist tales present data and findings *as if* what you found is absolutely real. That is, they don’t position the author within the text, and they don’t critique the context or the societal structures at work. (One reflective journal entry)
 - ii. Impressionist Tale—Expand your assertion and warrant again into a 1-3 page vignette.

More precisely, present a few sentences to identify the context of the event and then be as concrete, vivid, and precise as you can in describing the sequence of events in the incident. Present specific details of non-verbal behavior, direct quotes of speech, and describe the physical setting. Make clear to your reader that this is an instance of the substantive assertion you have made in your assertion and

² These assignments as well as the assertion and warrant assignment were adapted from Fred Erickson and Patti Lather.

warrant. At the end of the vignette, reiterate your assertion and follow it with a few sentences of interpretive commentary, telling the reader the point of the vignette. (One reflective journal entry)

- iii. Frequency Tale—Search the corpus for frequency data and construct both a frequency table and 1-2 synoptic charts. “The issue is not whether or not to count, but how to decide what to count” (Erickson, 1977).

This entails assembling evidence for assertions about typicality or atypicality in your data. Pay particular attention to the title of the tables and charts (Your assertion should be clear in the title.). Also in accompanying discussion tell the reader what to pay special attention to in the table (e.g., “Notice that over the last three days I observed, only one-third as many irrelevant comments by students appeared in my field notes. This suggests that...”). In the frequency table try to show patterns in your data. Make an assertion based on the pattern you are claiming. Illustrate your assertion with a bar graph, contingency table, or other simple frequency table. Present this with at least one paragraph of explanatory discussion.

The synoptic charts will each illustrate patterns or assertions in your data of a more analytic/conceptual type. Present these with accompanying discussion of at least one paragraph. (One reflective journal entry)

- iv. Theoretical Tale—Blend fact and interpretation with insights from research literature that includes at least two different theoretical framings.

This entails adding some theoretical framing to your vignette in order to play with different analytic perspectives. This will maximize the likelihood of your discovering things you hadn’t noticed before, or had taken for granted, in your data. Try to use grounded theory in one and some a priori theory in the other. Include an annotated bibliography, in APA format, of 3-4 scholarly sources that you drew on for your theoretical framing of the data. The annotation should include 2-3 sentences summarizing the main point of the reading and its relevance to your pilot study. (One reflective journal entry)

- v. Alterna-Tale—It is increasingly common in qualitative research for data stories to be told in ‘non-traditional’ formats. These include collage, poetry, film, drama, and other kinds of performances. Your task is to present your findings in one of these, or some other not-yet-

thought-of, format. Have fun with this one. (One reflective journal entry)

2. Option 2: An Independent Qualitative Research Methods Portfolio: Negotiate an individual contract that reflects your needs at this time. The goal is for you and I to come together on a set of course requirements that push you forward from wherever you are in terms of your dissertation research. Steps in this process include the following:
 - a. By the third week of the course (9/5), meet with me to discuss where you are and what you might do within the context of your dissertation project. This might include such items as 1) getting “computer literate” in terms of software programs that help handle qualitative data (beyond what we’ll accomplish together in the scope of this class) and drafting a report on your discoveries, 2) completing your data collection and transcription, 3) working with the data you have already generated, 4) beginning to write up sections of your data analysis; you might even aim for a draft of (one of) the data chapter(s) in your dissertation, and 5) I’m open to suggestions regarding what you need and might find helpful. You can also elect to complete portions of Option 1 (see above).
 - b. You will be required to submit a independent qualitative methods portfolio contract week 6 (9/26) that clarifies exactly what you are doing to meet the course requirements and guidelines for assessing that project (i.e., Mapping your project onto the 60 points available for the portfolio.). Be sure to include the two progress reports (part c) and the final presentation (part d) in your contract, including the guidelines for the assessment of these components.

Feel free to consult your advisor about what work will best serve you now. Be sure that what you propose is commensurate with the requirements for your classmates undertaking Option 1.

One note: It is your responsibility, in collaboration with your dissertation committee chair, to obtain IRB approval for whatever work would require it. It is also your responsibility to fully comply with your IRB approved protocol.

- c. You will also be expected to submit two progress reports (weeks 8 (10/10) and 13, (11/14)) that catalog the work you have completed and what remains to be done.
- d. Finally, you will be required to give a 10-15 minute presentation during our finals week class about your project. This presentation can make use of any format you feel is appropriate.

G. Final Grade:

Assignment	Points Possible
Attendance, Attitude, and Class Participation	10
A Collection of Notes on the Normal Environment of a Ringing Phone	5
Reflective Journal	20
Audit Trail	5
Qualitative Research Methods Portfolio (Option 1 or 2)	60
TOTAL	100

Appendix A: Hallmarks of High Quality Reflective Journals

Carey E. Andrzejewski, ERMA 7220: Applied Qualitative Research

Entries in your reflective journal should document your substantive thinking about one or more of the following questions:

- What have I learned about qualitative methodology?
- Who am I becoming as a researcher? Who do I want to be as a researcher?
- What is the nature of “my particular pair of spectacles”? How do I see the world in unique ways? How do my views, my lenses, my biases, and my assumptions shape what I can, and cannot, see in my data? How do they shape the data I collect, the analyses I conduct, the conclusions I reach, and the ways I disseminate my work?
- What sense am I making of the class readings? ... the field experiences? ... the class experiences?
- How are my readings, fieldwork, and class experiences related?
- In what ways am I building skills as a qualitative researcher? What has gone well? What mistakes have I made in my fieldwork? What will I do differently next time? Why?
- How is my sense of my class project evolving? How are my ideas for my dissertation evolving? How are my ideas for my professional program of research evolving?
- How am I working to align my research topic, research questions, research design (data collection and analysis plans), and writing for my class project? ... for my dissertation? ... for my professional program of research?

There are also five criteria that can be used to assess the degree to which reflective practice is productive. I will assess your journals based on the degree to which your writing meets these criteria. They are:

1. **Specificity and Clarity:** Does the reflective writing draw on specific language and terminology rather than broad, vague terms? Does it clearly communicate a message, epiphany, discovery, concern, or question?
2. **Accuracy:** Does the reflective writing refer to concepts in qualitative research in ways that demonstrate accurate, or evolving, understanding? Does the reflective writing including appropriate, if informal, citations where the thoughts, ideas, and words of others have been used? That is, this document will be most useful for you if you use it as a place to record ideas that you may cite in future work (conference presentations, journal articles, chapter 3 of a dissertation, etc.).
3. **Synthesis:** Does the reflective writing provide evidence that you have drawn on more than one source of information (reading, field experience, class experience, etc.) to reveal deep thinking about qualitative methodology?
4. **Self-Focus:** Does the reflective writing include substantive statements about your learning and experiences? After all, reflection is ultimately about *you*.
5. **Future-Focus:** Does the reflective writing include specific statements about your future practice as a qualitative researcher?

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- Davis, E. A. (2006). Characterizing productive reflection among preservice elementary teachers: Seeing what matters. *Teaching and Teacher Education*, 22(3), 281-301.
 - Based on guidelines developed by Dr. Heather A. Davis

Appendix B: Qualitative Research Portfolio, Reflective Journal, and Audit Trail Grade Sheet

ERMA 7220: Qualitative Research Methods Portfolio		
Part I – due 10/3		
<u>Element</u>	<u>Feedback</u>	<u>Assessment</u>
Open Observation Notes		/4
Reflective Journal Entry		/1
Structured Observation Notes		/4
Reflective Journal Entry		/1
30-Minute Interview Transcript		/8
Reflective Journal Entry - interview		/1
Reflective Journal Entry - transcription		/1
Analyzable Document		/4
Reflective Journal Entry		1
Audit Trail Sub-Total		/2
Reflective Journal Sub-Total		/5
Portfolio Part I		/20
Part II – due 11/7		
Reflective Journal Entry – Processing Part I Feedback		/1.5
Coded Data		/4
Reflective Journal Entry		/1
Codebook		/6
Reflective Journal Entry		/1
Grounded Survey		/4
Reflective Journal Entry - development		/1

Reflective Journal Entry - administration		/1
Assertion and Warrant		/6
Reflective Journal Entry		/1
Audit Trail Sub-Total		/1.5
Reflective Journal Sub-Total		/6.5
Portfolio Part II		/20
Part III – due 12/5		
Reflective Journal Entry – Processing Part II Feedback		/1.5
“Realist Tale”		/4
Reflective Journal Entry		/1
“Impressionist Tale”		/4
Reflective Journal Entry		/1
“Frequency Tale”		/4
Reflective Journal Entry		/1
“Theoretical Tale”		/4
Reflective Journal Entry		/1
“Alterna-Tale”		/4
Reflective Journal Entry		/1
Synthesizing Reflective Journal Entry		/2
Audit Trail Sub-Total		/1.5
Reflective Journal Sub-Total		/8.5
Portfolio Part III		/20
Audit Trail Total		/5
Reflexive Journal Total		/20
Portfolio Total		/60

Week	Readings <i>Italics</i> indicates article/chapter is on Canvas.	Assignments Option 1 Bold indicates assignments due; <i>italics</i> indicates work-in-progress that should be brought to class.	Assignments Option 2 Bold indicates assignments due; <i>italics</i> indicates work-in-progress that should be brought to class.
1 (8/22). Introduction – The post-modern turn, crisis of representation, and reflectivity. Oh and... the syllabus	<i>Understanding Contemporary Society: Chapters 1 and 2 Ortlipp (2008)</i>		
2 (8/29). Research Ethics / Ethnographic Research / What is culture anyway? And, how do we observe it?	Berg Ch 3 K&B Ch 4 VM Prologue-Ch 2	The Normal Environment of a Ringing Phone	The Normal Environment of a Ringing Phone
3 (9/5). Reflectivity / The Art of Observation Cont.	<i>Rhodes (2000)</i> Berg Ch 6 B&R Chs 1& 2, Appendix	CITI completion certificate <i>Open observation field notes Structured observation guide</i>	CITI completion certificate <i>Independent Project Consultation Meetings</i>
4 (9/12). Conducting Interviews (More than a conversation)	K&B Chs 6-9 Berg Ch 4 K&B Ch 17	<i>Interview Guide</i>	
5 (9/19). Objectivity and Validity / The Beauty of Documents	K&B Ch 15 <i>Eisner (1988)</i> <i>Phillips (1990)</i> <i>Creswell & Miller (2010)</i> <i>Whittemore, Chase, & Mandle (2001)</i> Berg Ch 8	<i>Document</i>	
6 (9/26). No Class. Time to Focus on Collecting Data			Independent Project Contract
7 (10/3). So you've collected some data, now what?	K&B Ch 10 B&R Chs 3 & 7	Portfolio Part I: Data Collection Reflective Journal (5 entries) and Audit Trail -In-Progress	
8 (10/10). Coding, Categorizing, and Writing Memos	Berg Ch 11 K&B Ch 11 B&R Ch 4		Progress Report I Reflective Journal and Audit Trail - In-Progress
9 (10/17). Using computers – pros and cons	K&B Chs 12-14 B&R Chs 5 & 15	<i>Data you want to analyze with Atlas.ti</i>	<i>Data you want to analyze with Atlas.ti</i>

Week	Readings <i>Italics</i> indicates article/chapter is on Canvas.	Assignments Option 1 Bold indicates assignments due; <i>italics</i> indicates work-in-progress that should be brought to class.	Assignments Option 2 Bold indicates assignments due; <i>italics</i> indicates work-in-progress that should be brought to class.
10 (10/24). Analytic Induction	B&R Chs 8-14, 16 (choose 3)	<i>Data you want to analyze with Atlas.ti (?)</i>	
11 (10/31). Now that you've analyzed your data, what do you have?	VM Ch 3	<i>Ideas/data for your assertion and warrant</i>	
12 (11/7). Catch up / What's going on with the reading? / What do you need?		Portfolio Parts I and II: Data Collection and Data Analysis Reflective Journal (6 entries) and Audit Trail -In-Progress	
13 (11/14). What stories can you tell?	K&B Ch 16 Berg Ch 12 VM Ch 5 <i>Anderman, Andrzejewski, & Allen (2011)</i>	<i>Realist and Impressionist Tales—drafts for writing workshop</i>	Progress Report II Reflective Journal and Audit Trail - In-Progress
14 (11/21). Thanksgiving. No Class. Time to Focus on Writing			
15 (11/28). What story are you going to tell? / The role of theory	VM Chs 4&6 <i>Andrzejewski & Davis (2008)</i> <i>Andrzejewski (2011)</i>	<i>Frequency and Theoretical Tales—drafts for writing workshop</i>	
Final (12/5). "Celebrate good times, come on..."		Portfolio Parts I, II, and III: Data Collection, Data Analysis, and Writing Up Data Reflective Journal (7 entries) and Audit Trail	Completed Independent Project 10-15 minute presentation Reflective Journal and Audit Trail

Ongoing Themes:

The Nature of Science; The Nature of Social Science; The Possibility of Objectivity, Reliability, and Validity; What do these terms mean anyway? (Your) Epistemology; (Your) Ontology; Research Ethics and Conducting Ethical Research.

If you don't know what these mean, don't 'have a glass baby'. You will come to know. That's part of our task together.