EDUC 500-921: RESEARCH METHODOLOGY IN EDUCATION

Professor Leslie G. Roman
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Email: leslie.roman@ubc.ca
Office: Ponderosa G22
Office Hours: By appointment
Classroom: 204 Scarfe Lab: 1007/8 TBA Scarfe Class time: 4:30-7:30 p.m. (T-TH, May 11-June 18)

COURSE DESCRIPTION
The purpose of this course is to provide an introduction to research methodology by addressing the nature and purpose of various method(ologie)s—all of which are useful in understanding educational phenomena. The course will not provide an extensive technical (operational) competence in any single method of research. Specifically, the course will: (1) Familiarize students with a cross-section of methodologies and methods available for conducting research in education (e.g., arts-based, experiments, surveys, field studies, discourse & historical analyses). (2) Familiarize students with resources available to them for the conduct of research (e.g., research library, computer facilities, faculty expertise). (3) Familiarize students with various rhetorical techniques for reading and writing research and provide an analysis of paradigmatic orientations to research as inquiry; (4) Familiarize students with the challenges of research ethics in materialist, post-positivistic and ‘post’colonial times.

COURSE TEXTS

Required:

Strongly Recommended with indicated chapters required—see schedule below:

## COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Dates</th>
<th>Topic</th>
<th>Text/readings</th>
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</table>
| Tues/May 12  | Course overview, expectations/outcomes  
  **Activity: Peer introductions-dyad**  
  Generating a research topic, ontology, epistemology, axiology; Knowledge & power: Introduction to research methodologies; Qualitative and quantitative research  
  **Activity: Artifacts**  
  **Activity: Fill Library Research Backgrounder** | **Texts:** chpt. 1 in all three texts.  
  Fill out research backgrounder for the library lab.  
  Return to the instructor. |
| Thurs/May 14 | **Activity: Introduction to Lab: CMS/CWL accounts**  
  Getting Started, theories, methods, locating the field, data/information, sites, self, problem formulation, basic research design; Multiple paradigms, postcolonial lens; methodology of the oppressed  
  **Activity: Revisit knowing; discussion on readings how do we know? (Shared reflections on the process of knowing)** | **Texts:** Chpt. 2 in all three texts & Chpt. 4 in Locke, et.al.Chpts. 3 &4 in Creswell |
| Tues/May 19  | Culture and methods; teachers as researchers;  
  Paradigms of Qualitative Research  
  **Activity: Discussion on readings** | **Texts:** Chpt. 8 in Locke et.al. & 10, 11 & 12 |
| Thurs/May 21 | **Library Research Workshop (Lab- Scarpe 1007/1008) Room TBA**        | **Texts:** Ch. 10 in Locke, et. al.; Chp.4 in Palys et.al |
| Tues/May 26  | **Ethics Workshop, websites to consult: (Lab- 1007)**  
  Activity-Completing Ethics Certificate in class, Take the BREB tutorial. Bring laptop. | **Texts:** Chpt. 3 in Palys et. al; Chpt. 4 in Locke, et.al  
  BREB tutorial |
| Thurs/May 28 | ‘Field Trip’- Interviews, oral history, narrative inquiry, arts-based research, observation and ethnography, critical transnational ethnography, participatory research, critical action research, multiple methods  
  **Activity: Discussion on readings**  
  ASSIGNMENT 1 DUE—Research Topic Statement | **Texts:** Chpts. 14,15, 17 in Creswell, Chpts. 6, 7 & 8 in Palys, et.al. |
<table>
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<th>Date</th>
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</table>
| Tues/June 2  | 7      | Research proposal, literature review, report writing, making research decisions (e.g., evaluating qualitative research)  
Activity: In-class practice writing | Text: Chpts. 5, 13, 14 in Palys, et.al.                                      |
| Thurs./June 4| 8      | Hermeneutics, phenomenology, semiotics, crystallization, content analysis, discourse analysis, archival research, visual methods, post-structural approaches  
Activity: Discussion on readings  
| Tues/June 9  | 9      | Foundations of quantitative research- levels of measurement, descriptive statistics, distributions, measures of central tendency, measures of variability, inferential statistics, sampling issues, validity, reliability  
Activity: Discuss readings | Text: Locke, chpt. 6 & 7 & Palys, Chpts. 4 & 12.                             |
| Thurs/June 11| 10     | Manipulative control, quasi experimentation, thesis-research questions, descriptive and inferential statistics  
Activity: Methods  
SPSS workshop TBA 1007/8 Scarfe | Texts: Palys, Ch 9, 10, 12; and Chpt. 6 in Locke. 2nd half in lab,  
Scarfe 1007/8 TBA |
| Tues/June 16 | 11     | Interview Workshop  
Common interviewing mistakes  
Visual data  
Coding data/analysis  
Activity: Discussion on readings/see film  
Practice interview | Text: Palys, chpt.11  
See “Blockade” in class. |
| Thurs/June 18| 12     | Applied Research Day, Sharing circle, synthesis,  
Activity: Sharing one key methodological learning  
Draw on final project to share. |                                |
| Friday/June 19| 13     | FINAL PROJECT/assignment 2 DUE-time-date-stamped by email virus-scanned. Due at 4 pm. |                              |

**COURSE REQUIREMENTS**

1. **Generating a Research Topic** - *Due date: May 28, 2015 in class.* (20%)
   Write a clear research topic statement for your research proposal, including the context, purpose, rationale, and relevance in Education (2-3 pages maximum). See thesis and dissertation proposal
EDUC 500 Syllabus May-2015

2. Literature Review, Prior Ethnography or Methodology Essay* (50%)

Choose one (1) of the following (10–12 pages maximum): 

- Due date: June 19th 4 pm.
electronically time-date-stamped. Virus-scanned.

a. Draft Research Proposal
   Develop your current ideas about a specific research topic, elaborating on the rationale of
   the first assignment. State the research topic, set it in a theoretical context (i.e., "why is
   this important to study?") and discuss how you might go about investigating that research
   topic by elaborating your methodology, data collection techniques, methods of
   analysis/synthesis and how you plan to write up your research. (See the outlines below).

b. Literature Review
   Drawing on 5 to 10 carefully selected and relevant research articles, write a critical review
   essay to support either the theoretical framework for or the methodological approach to
   investigating your research questions/topics of interest. Establish the purpose for your
   review and the approach you will use in the introduction (Could include the topic,
   rationale, and purpose from assignment #1 to be included in addition to the
   review). Provide enough of a summary of each article so that the readings are
   understandable to a novice reader of your paper. The purpose of your review should
   establish the basis of your analysis/synthesis. You may choose to critique the articles and
   texts based on some of the assigned course readings. Strive for clarity and conciseness in
   your writing, by trying to keep your audience in mind.

c. Beginning Methodology Chapter
   Explore a research method by elaborating on issues inherent in the method. For example,
   within ethnography, explore the interrelationships of power, method, methodology and
   epistemology, and possibilities for doing research which is not primarily about knowing
   ‘other’ in order to study, act upon, validate or transform. General methodological issues
   include the reliability and validity of data collected with the method. Explore the benefits
   and problems relevant to the method, but move beyond a balance sheet approach. You
   might want to juxtapose a research method or methods you are considering for your
   research with methodological issues relating to the method(s). For example, there are
   methodological issues regarding the ethics, power and place of the researcher in the field
   of observation. Use concrete examples and draw on a minimum of six sources. Depth,
   rather than breadth, is the purpose of methodology in this assignment.

3. Participation (30%)

Participation is expected and necessary, and requires attendance at every class. Bring a
question based on required readings to each class that represents the fruit of your
thoughtful engagement with materials. Question should be open-ended, and designed to
start productive dialogue relevant to the topic and readings, and not amenable to a simple
answer. Questions will be collected at the end of each class and responded at the next
class. You will have an opportunity to share one key methodological idea from the course
with your classmates during the last class. Missing more than one class without a medical
note or instructor approval will result in the deduction of 10 marks for each missed class.
FORMAT FOR ASSIGNMENTS
Double-spaced, 12 point Times or Times New Roman, 1” margins, page numbers on all but first page, APA, no cover page, two (2) copies (one for each professor). Late assignments will be penalized one mark per day.

EVALUATION

Assessment for Assignment #1
Introduction to Research Designs Rubric

<table>
<thead>
<tr>
<th>Low -------</th>
<th>Avg -------</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presentation: Style, Grammar (Organization, Sentence Structure, Paragraphs, Spelling)</td>
<td></td>
<td></td>
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<tr>
<td>1------------2-------------3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coherence: Relations Among Introduction, Purpose, Problem, Rationale</td>
<td></td>
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<tr>
<td>1------------2-------------3</td>
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<tr>
<td>Clarity of Problem(s)</td>
<td></td>
<td></td>
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<tr>
<td>1------------3-------------5</td>
<td></td>
<td></td>
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<tr>
<td>Clarity of Purpose</td>
<td></td>
<td></td>
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<tr>
<td>1------------2.5-------------4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comprehensiveness: Components from Introduction to Rationale and Conclusion</td>
<td></td>
<td></td>
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<tr>
<td>1------------3-------------5</td>
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<td></td>
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<tr>
<td>Total out of 20 marks</td>
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</table>
### Assessment for Assignment #2

#### Elaboration of Research Designs Rubric for: Draft Research Proposal or Literature Review or Beginning Methodology Chapter

<table>
<thead>
<tr>
<th>Quality of writing style/communication of concepts</th>
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<tbody>
<tr>
<td>Grammatical, spelling, punctuation errors; overall organization and readability; developed logically, organized well; APA, MLA or Chicago format followed; clean, readable, layout</td>
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<table>
<thead>
<tr>
<th>Quality of introduction</th>
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<tbody>
<tr>
<td>Discussion of issues, general reason for selection of topic, how the introduction prepares the reader for what is to follow, etc.</td>
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</table>

<table>
<thead>
<tr>
<th>Quality of the substance</th>
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<tbody>
<tr>
<td>Was pertinent info provided in the discussion of research issues as they relate to the topic?; general quality of outline in terms of logical, informative discussion &amp; development</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Critical Analysis</th>
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<tbody>
<tr>
<td>Discussions of various issues that relate to the topic; discussion/analyses of pros and cons of the sources used.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Relationship of literature review to topic</th>
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</thead>
<tbody>
<tr>
<td>Discussion of how the lit review articles relate to the thesis topic (in broad, general terms, in terms of purpose/problems, etc.)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Tables, Appendices, References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of tables to describe/outline features of each article, appendices to describe search procedure, or other useful information to the reader</td>
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</tbody>
</table>

|  
| Are all references cited in a “references” section in APA style? Do references correspond with the text of the project? |

<table>
<thead>
<tr>
<th>Total out of 50 marks</th>
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<tbody>
<tr>
<td>(50) %</td>
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</table>
EDUC 500 Syllabus May-2015

EDUC 500, Summer 2015
Interim Feedback on Discussion and Questions

Name: ________________________________

Minimum Requirements by Today (DATE: ____________):

_____ Questions # Actual Questions: ______

**Participation Rubric (Interim)**

<table>
<thead>
<tr>
<th>Low--------------</th>
<th>Avg--------------</th>
<th>High</th>
</tr>
</thead>
</table>

Appropriately and accurately summarizes key constructs and themes in educational research

Low-----------------Avg---------------High

Reveals an attempt to synthesize knowledge or uses personal narrative to ground knowledge in educational research

Low-----------------Avg---------------High

Analyses constructs—reflectively engages with content in ways that advance the student’s knowledge, and/or contributes to an advance in collective knowledge, and/or an attempt to create new knowledge

Low-----------------Avg---------------High

**Interim Mark:** ____________

**Interim Performance Assessment**

A/A+ Pass that Exceeds Expectations
B/B+ Pass that Meets Expectations
C/B- Pass that Barely Meets Expectations
F Fails to Meet Expectations
Participation Rubric (Final)

<table>
<thead>
<tr>
<th>Low-------------</th>
<th>Avg-------------</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriately and accurately summarizes key constructs and themes in educational research</td>
<td>1-------------</td>
<td>4-------------</td>
</tr>
<tr>
<td>Reveals an attempt to synthesize knowledge or uses personal narrative to ground knowledge in educational research</td>
<td>1-------------</td>
<td>4-------------</td>
</tr>
<tr>
<td>Analyses constructs—reflectively engages with content in ways that advance the student’s knowledge, and/or contributes to an advance in collective knowledge, and/or an attempt to create new knowledge</td>
<td>1-------------</td>
<td>7-------------</td>
</tr>
</tbody>
</table>

______ Total out of 30 marks

Participation guidelines
Please remember that in a graduate course, you have a responsibility to do the readings and participate in discussions. Participation is valued at 30% of your final grade. We refer to the scholarly level of participation as academic conversation. Students often get anxious over academic work and the charge that they are “talking from nowhere.” The other extreme is “talking from everywhere,” a form of what Donna Haraway called a “God trick.” “Talking from somewhere” is the goal—this somewhere may be your experience and narrative (with examples) or it may be from what you’ve read or from the theory we are addressing. We want you to theorize and this is different than merely providing your opinion. There is a difference between your narrative or experience and opinion. Read intentionally for meaning, along with purpose.

Participation is interdependent with preparation for each class session, which involves reading (highlighting, pagination post-its, margin notes, comments & questions, etc.), writing (note-taking, outlining, questioning, defining, mapping, framing, summarizing, journaling, blogging, exposition, etc.), organizing (documenting, labeling, ordering, archiving, filing, etc.) and reflection (rethinking, reincorporating, remapping, analyzing, synthesizing, etc.). One goal of preparation is to sustain increasingly sophisticated academic conversations or engagement with the readings, course and peers. A second goal is to develop systematic approaches for engaging with the readings and your peers (i.e., developing reading, writing, organizing, and reflection form(at)s and styles that are effective).
### Qualitative Research Design Proposal Format

<table>
<thead>
<tr>
<th>Title</th>
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<tbody>
<tr>
<td>Introduction (Brief History of the research topic, rationale, theoretical framings, positionality—relation of self to research)</td>
<td>(1/2 page)</td>
</tr>
<tr>
<td>Purpose (General Focus) (Why?)</td>
<td></td>
</tr>
<tr>
<td>Topic or focus of inquiry (what?); clear statement—research question(s), limitations</td>
<td>(1/2 page)</td>
</tr>
<tr>
<td>Review of literature</td>
<td></td>
</tr>
<tr>
<td>History and context; theories</td>
<td>(6-10 pages)</td>
</tr>
<tr>
<td>Methodologies (how?, when?, where, who?)</td>
<td></td>
</tr>
<tr>
<td>Appropriateness of and issues around method(ologies)</td>
<td>(6-8 pages)</td>
</tr>
<tr>
<td>Sample (participants)</td>
<td></td>
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<tr>
<td>Data collection methods (e.g. interviews, story, video)</td>
<td></td>
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<tr>
<td>Sites, sources (e.g. archival research)</td>
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<tr>
<td>Ethics, protocols</td>
<td></td>
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<tr>
<td>Data Analysis (How?)</td>
<td></td>
</tr>
<tr>
<td>Analysis, synthesis</td>
<td>(2-5 pages)</td>
</tr>
<tr>
<td>Dissemination of the research findings</td>
<td></td>
</tr>
<tr>
<td>Beneficiaries of the research, who gets to tell data story, in what formats, to whom, permissions to share intellectual property</td>
<td></td>
</tr>
<tr>
<td>Significance of research; future research</td>
<td>(1 page or less)</td>
</tr>
<tr>
<td>References</td>
<td>Attach</td>
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</tbody>
</table>

### Quantitative Research Design Proposal Format

<table>
<thead>
<tr>
<th>Title</th>
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<tbody>
<tr>
<td>Introduction (Brief History of the Problem, Rationale, Theoretical Framings, Positionality— Relation of Self to Problem)</td>
<td>(1/2 page)</td>
</tr>
<tr>
<td>Purpose (General Focus) (Why?)</td>
<td></td>
</tr>
<tr>
<td>Problem or Focus of Inquiry (What?) Clear Statement— Research Question(s), Hypotheses or Problem(s), Limitations</td>
<td>(1/2 page or less)</td>
</tr>
<tr>
<td>Review of Literature</td>
<td></td>
</tr>
<tr>
<td>History of the Problem, Preliminary Studies, Pilots Theories</td>
<td>(6-10 pages)</td>
</tr>
<tr>
<td>Method(s) (How?, When?, Where And Who?)</td>
<td></td>
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<tr>
<td>Appropriateness of and Issues around methods chosen</td>
<td>(6-8 pages)</td>
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<tr>
<td>Sample (Participants) and Unit(s) of Analysis (Variables)</td>
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<tr>
<td>Data Collection</td>
<td></td>
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<tr>
<td>Participant Ethics</td>
<td></td>
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<tr>
<td>Data Analysis (How?)</td>
<td></td>
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<tr>
<td>Variables, Statistical Techniques Instruments</td>
<td>(2-5 pages)</td>
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<tr>
<td>Report of Outcomes</td>
<td></td>
</tr>
<tr>
<td>Recipients of Outcomes Utilization of Knowledge</td>
<td>(1 page or less)</td>
</tr>
<tr>
<td>References</td>
<td>Attach</td>
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Grading Guidelines

A level - Good to Excellent Work

A+ (90-100%) A very high level of quality throughout every aspect of the work. It shows the individual (or group) has gone well beyond what has been provided and has extended the usual ways of thinking and/or performing. Outstanding comprehension of subject matter and use of existing literature and research. Consistently integrates critical and creative perspectives in relation to the subject material. The work shows a very high degree of engagement with the topic.

A (85-89%) Generally a high quality throughout the work. No problems of any significance, and evidence of attention given to each and every detail. Very good comprehension of subject and use of existing literature and research. For the most part, integrates critical and creative perspectives in relation to the subject material. Shows a high degree of engagement with the topic.

A- (80-84%) Generally a good quality throughout the work. A few problems of minor significance. Good comprehension of subject matter and use of existing literature and research. Work demonstrates an ability to integrate critical and creative perspectives on most occasions. The work demonstrates a reasonable degree of engagement with the topic.

B level - Adequate Work

B+ (76-79%) Some aspects of good quality to the work. Some problems of minor significance. There are examples of integrating critical and creative perspectives in relation to the subject material. A degree of engagement with the topic.

B (72-75%) Adequate quality. A number of problems of some significance. Difficulty evident in the comprehension of the subject material and use of existing literature and research. Only a few examples of integrating critical and creative perspectives in relation to the subject material. Some engagement with the topic.

B- (68-71%) Barely adequate work at the graduate level.

C level - Seriously Flawed Work

C (55-67%) Serious flaws in understanding of the subject material. Minimal integration of critical and creative perspectives in relation to the subject material. Inadequate engagement with the topic. Inadequate work at the graduate level.

D level

D (50-54%)

F level - Failing Work
References

Selected references (pre-1998)


EDUC 500 Syllabus, July 2009

Hills: Sage.

Selected references (post-1998)
EDUC 500 Syllabus, July 2009


EDUC 500 Syllabus, July 2009


Additional References: