San José State University  
College of Education/Department of Special Education  
EDSE 231X, Educational Research: Design and Implementation, Section 01, Fall, 2017

Course and Contact Information

Instructor: Lisa Simpson, Ed.D.  
Office Location: Sweeney Hall 235  
Telephone: 408 924-2924  
Email: lisa.simpson@sjsu.edu  
Office Hours: Thursdays 2:00-4:00 and by appointment  
Class Days/Time: Wednesdays 4:00-6:45  
Classroom: Sweeney Hall 230  
Prerequisites: Completion of EDSE 285 and EDSE 231 with a B or higher in each class

Course Format

This course is a hybrid course. There will not be formal in class sessions every week. Much of the work of this course will be the collection of data for individual student research projects. Students are responsible for collecting their data following the guidelines developed in each IRB proposal and reporting the data to the instructor on the days and times given. Students will need access to the internet and appropriate data analysis tools for their research project: Microsoft Word (Pages and Google docs are not acceptable alternatives), Microsoft Excel (Google sheets is not an acceptable alternative), Qualtrics, and SPSS. These are available free to students through the IT department.

CANVAS Learning Management System

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on Canvas Learning Management System course login website at http://sjsu.instructure.com/. You are responsible for regularly checking your SJSU email for updates from the instructor.

Course Description

EDSE 231X is a continuation of the research project started in EDSE 231 for the MA Education / Special Education. Students will collect and analyze data for their research project per the research guidelines set forth in their approved IRB application. In addition, students will write the final versions of Chapters 1, 2, and 3. All writing will follow the guidelines set forth in the APA Manual 6th edition.

Program Learning Outcomes (PLO):

As the MA program extends upon the California Standards for the Teaching Profession (CSTP), upon completion of the MA course sequence, students will be able to:

- CSTP 1.3: Connect subject matter to meaningful, real-life contexts
- CSTP 1.5: Promote critical thinking through inquiry, problem solving, and reflection
- CSTP 3.1: Demonstrate knowledge of subject matter, academic content standards, and curriculum frameworks in areas associated with your MA research project
- CSTP 5.1: Apply knowledge of the purposes, characteristics, and uses of different types of assessment
CSTP 5.2: Collect and analyze data from a variety of sources
CSTP 6.1: Reflect on teaching practice in support of student learning
CSTP 6.2: Establish professional goals and engage in continuous and purposeful professional growth and development
CSTP 6.3: Collaborate with colleagues and the broader professional community to support teacher and student learning
CSTP 6.7: Demonstrate professional responsibility, integrity, and ethical conduct

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

1. Distinguish between the various methodologies used in educational and related research, particularly survey research and single subject research (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.1, 6.7)
2. Critically evaluate research on the basis of its rationale, methodology, and ethical practices (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.1, 6.2, 6.3, 6.7)
3. Identify limitations of studies and the sources of limits in sampling, data analysis and interpretation, statistical procedures and data collection (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.1, 6.2, 6.3, 6.7)
4. Identify and analyze implications of research on the development of educational theory, policy, and practice (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.1, 6.2, 6.3, 6.7)
5. Identify sections of research reports and aspects of research design that indicate possible bias or contamination (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.1, 6.2, 6.3, 6.7)
6. Understand internal and external validity and recognize variables that are potentially threatening to validity; plan and conduct research that has high internal and external validity (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.1, 6.2, 6.3, 6.7)
7. Recognize and describe independent, dependent, control, and extraneous variables in research (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.2, 6.7)
8. Explain statistical concepts as they are used in reports of research: descriptive statistics (e.g., mean, median, mode), frequencies, correlations, and inferential statistics (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.2, 6.7)
9. Explain the concepts of statistical and practical significance and use them to evaluate the significance of findings reported in research (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.1, 6.2, 6.3, 6.7)
10. Write an introduction, review of literature, and methodology sections of a research report following APA style (CSTP 1.3, 1.5, 3.1, 5.1, 5.2, 6.2, 6.3, 6.7)
11. Analyze and report data from a research study using tables, graphs, and narrative text following correct APA style (CSTP 1.5, 3.1, 5.1, 5.2, 6.2, 6.3, 6.7)

Required Texts/Readings

Textbooks (You should have all of these books from previous MA courses.)

1. *Educational Research: Competencies for Analysis and Applications*
   Authors: Mills and Gray (2016)

2. *How to Write a Master's Thesis (2nd edition)*
   Author: Bui (2013)

Library Liaison

The Special Education Library Liaison is Teresa Slobuski. She will be happy to assist you with finding resources for your research. Her contact information is:
Phone: 408-808-2318
Email: Teresa.slobuski@sjsu.edu

Course Requirements and Assignments

Students are expected to attend each class, and submit assignments/papers by the date indicated on the calendar. ALL ASSIGNMENTS MUST BE SUBMITTED TO CANVAS. Please do not email assignments to the instructor.

ALL PAPERS MUST FOLLOW THE GUIDELINES IN THE APA MANUAL 6TH EDITION. IF YOU HAVE NOT PURCHASED OR RENTED THE APA MANUAL PLEASE DO SO ASAP!

Please proofread your papers carefully before submission. The instructor will stop reading a paper after five errors (i.e., spelling errors, run-on sentences, fragments, subject-verb disagreements, incorrect verb tense and/or lengthy sentence structures), and will return the paper for revision.

1. Data Collection and Data Analysis Timeline: 20 points (CLO 1, 2, 11)
Submit a detailed timeline for data collection. For survey data include the place or group you plan to collect data from and the date you will attend the group meeting or contact the group leader. Also include the date of any reminders you intend to send, date you will close the survey, and the anticipated number of recipients from each group. For intervention research include dates that potential participants will be approached, date permission slips will be sent home as well as follow up dates, dates that you will train data collectors and the plan for how you will do the training, and dates for baseline and intervention phases for participants. Submit this data collection plan to CANVAS and gain approval from the instructor before beginning your data collection.
Timeline is due September 8, 2017 at 11:59pm.

2. Updates on data collection and progress of the study: 4 x 10 points = 40 points (CLO 1, 6, 11)
Each student is responsible for submitting periodic updates on data collection and progress of their study during the weeks designated for research and writing: Weeks 5, 9, 12, and 13. These should be submitted to CANVAS by Friday of that week.

3. Final Version of Chapter 3: Methodology: 30 points (CLO 1-11)
A first-version of Chapter 3 was submitted in the previous class, EDSE 231. Make any revisions to Chapter 3 based upon feedback from last semester as well as revisions needed if you adjusted your research design in the IRB process. This chapter should now be written in the past tense and should be error free. Chapter 3 should be no more than 12 pages, not including references.
Revised Chapter 3 is due September 30, 2017 at 11:59 pm. Chapter 3 will be reviewed and returned for any final corrections before printing the clean copy due at the end of the semester.

4. Final version of Chapters 1 and Chapter 2: 50 points (CLO 1-11)
Submit the final versions of the first two chapters of the thesis or project. Chapter 1 is the introduction to the project with a description of the problem and research questions. Chapter 2 is the literature review for the research that you are proposing to conduct. All edits should be made for these chapters and these “clean” copies will have one final review. Chapters 1 and 2 should be no more than 20 pages combined, not including references.
Revised Chapter 1 and 2 are due October 31, 2017 at 11:59pm. Chapters 1 and 2 will be reviewed and returned for any final corrections before printing the clean copy due at the end of the semester.

5. Preliminary Chapter 4 Results: 30 points (CLO 1-11)
After data has been collected you will need to analyze the data following your plan from Chapter 3. Create one or more data tables and/or graphs with your results. Your tables and/or graphs should be in APA format. Write a narrative
description of your results. At this point you are not “interpreting” the data you are only analyzing the data and describing the results. Submit your paper to CANVAS. This will become part of your Chapter 4 in the next class. 

**Preliminary Chapter 4 is Due December 6, 2017 at 11:59pm.**

**6. Final Presentation: 20 points (CLO 1-11)**

Students must attend the Final Examination for this course so please plan accordingly. Note that the final examination is held at a later time than regular class time. Each student will prepare a brief slide presentation of their data analysis to share with the class during the Final Examination period. The presentation should include 1-3 data tables and/or graphs of the results of your study.

**Final Presentation of Data is Due December 13, 2017 at 5:15pm.**

Submit a clean paper version of Chapters 1-3 combined – paginated straight through with references at the end of chapter 3 by December 20. This will be given to Dr. Hughes for next semester.

**Grading Information**

All MA students must receive a GPA of 3.0 with a grade of B or better in each MA class to be able to continue with coursework. An “Incomplete” is only given when 80% or more of the work has been completed on time.

1. Students must complete ALL assignments to receive a grade in this class. Attendance in every class is paramount.

2. All written assignments must meet standards of academic and professional quality as outlined in APA format for reporting on research. All assignments must be typed, double-spaced, paginated, and free of spelling and grammatical errors. You must cite all work and have research to support your study/project.

3. The quality of your work and adherence to APA guidelines will impact your final grade.

4. Worked submitted late will receive a deduction of 10% for each week past the due date.

**Determination of Grades**

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Percentage of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Collection Timeline</td>
<td>30 points</td>
<td>15 %</td>
</tr>
<tr>
<td>Weekly Data Updates</td>
<td>40 points</td>
<td>20%</td>
</tr>
<tr>
<td>Revised Chapter 1 and 2</td>
<td>50 points</td>
<td>25 %</td>
</tr>
<tr>
<td>Revised Chapter 3</td>
<td>30 points</td>
<td>15 %</td>
</tr>
<tr>
<td>Preliminary Chapter 4</td>
<td>30 points</td>
<td>15%</td>
</tr>
<tr>
<td>Final Presentation</td>
<td>20 points</td>
<td>10%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>200 points</td>
<td>100 %</td>
</tr>
</tbody>
</table>

A+ = 98 – 100%
B+ = 88 – 89%
A = 92 – 97%
B = 82 – 87%
A- = 90 – 91%
B- = 80 – 81%
**Classroom Protocol**

Professional demeanor is required of all class participants. Participants are expected to arrive to class on time and to stay until class is ended. Participants are expected to respect speakers and peers at all times. Participants are further expected to refrain from using cell phones in class and to refrain from using computers for topics other than those relating to coursework. The instructor reserves the right to modify a student’s final grade for unprofessional conduct.

**University Policies**

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs’ Syllabus Information web page at http://www.sjsu.edu/gup/syllabusinfo/”
## Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Assignments, Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/23/17</td>
<td>Syllabus - Candidacy forms – Getting started on your data collection – Creating a timeline</td>
</tr>
<tr>
<td>2</td>
<td>8/30/17</td>
<td>Mandatory Individual Meetings</td>
</tr>
<tr>
<td>3</td>
<td>9/6/17</td>
<td>Intervention Group Only - <em>Timeline Due Everyone - September 8 by 11:59pm</em></td>
</tr>
<tr>
<td>4</td>
<td>9/13/17</td>
<td>Survey Group Only</td>
</tr>
<tr>
<td>5</td>
<td>9/20/17</td>
<td>Research and Writing Week – <em>Submit Data Update One</em></td>
</tr>
<tr>
<td>6</td>
<td>9/27/17</td>
<td>Mandatory Individual Meetings - <em>Revised Chapter 3 due September 30</em></td>
</tr>
<tr>
<td>7</td>
<td>10/4/17</td>
<td>Intervention Group Only</td>
</tr>
<tr>
<td>8</td>
<td>10/11/17</td>
<td>Survey Group Only</td>
</tr>
<tr>
<td>9</td>
<td>10/18/17</td>
<td>Research and Writing Week – <em>Submit Data Update Two</em></td>
</tr>
<tr>
<td>10</td>
<td>10/25/17</td>
<td>Mandatory Individual Meetings - <em>Revised Chapter 1 and 2 Due October 31</em></td>
</tr>
<tr>
<td>11</td>
<td>11/1/17</td>
<td>Writing Chapter 4 Results – In class session everyone</td>
</tr>
<tr>
<td>12</td>
<td>11/8/17</td>
<td>Research and Writing Week – <em>Submit Data Update Three</em></td>
</tr>
<tr>
<td>13</td>
<td>11/15/17</td>
<td>Research and Writing Week – <em>Submit Data Update Four</em></td>
</tr>
<tr>
<td>14</td>
<td>11/29/17</td>
<td>Wrapping Up - In class session everyone</td>
</tr>
<tr>
<td>15</td>
<td>12/6/17</td>
<td>Research and Writing Week - <em>Preliminary Chapter 4 Due</em></td>
</tr>
</tbody>
</table>
| Final Exam | 12/13/17 | 5:15 – 7:30 --- FINAL PRESENTATION  
*Preliminary Chapter 4 Due* |

Instructor reserves the right to adjust course schedule as needed. Updates will be announced in class and posted to CANVAS.