Course and Contact Information

Instructor: Dr. Lisa Simpson
Office Location: Sweeney Hall 235
Telephone: 408 924-2924
Email: lisa.simpson@sjsu.edu
Office Hours: By appointment
Class Days/Time: Thursday 4:00 – 6:45
Classroom: SH 230
Prerequisites: B or higher in EDSE 231 and EDSE 285

Course Format

This course is a hybrid course. 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.

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 process for the development of educational research, implementation of the study, and writing for the Master of Arts thesis or project started in EDSE 231.

Program Learning Outcomes (PLO)

PLO 8: Graduates demonstrate knowledge about research-based practices related to individuals with disabilities, birth to 22 years.

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
2. Critically evaluate research on the basis of its rationale, methodology, and ethical practices
3. Identify limitations of studies and the sources of limits in sampling, data analysis and interpretation, statistical procedures and data collection
4. Identify and analyze implications of research on the development of educational theory, policy, and practice
5. Identify sections of research reports and aspects of research design that indicate possible bias or contamination
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
7. Recognize and describe independent, dependent, control, and extraneous variables in research
8. Explain statistical concepts as they are used in reports of research: descriptive statistics (e.g., mean, median, mode), frequencies, correlations, and inferential statistics
9. Explain the concepts of statistical and practical significance and use them to evaluate the significance of findings reported in research
10. Write an introduction, review of literature, and methodology sections of a research report following APA style
11. Analyze and report data from a research study using tables, graphs, and narrative text following correct APA style

Required Texts/Readings

Textbooks
   Author: Kennedy (2016)
   ISBN: 9780205340231
   *Required for students undertaking a Single Case Design Project
   *Required for students undertaking a Survey Design Project
   *Required for students undertaking a Qualitative Design Project

Other Readings
Students are responsible for identifying additional readings appropriate to their research topic.

Other technology requirements / equipment / material
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.

Library Liaison

DeeAnn Tran
email: deeann.tran@sj-su.edu
One Washington Square San Jose, CA 95192
408-808-2476
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. Please proofread your papers carefully before submission. I will stop reading a paper with excessive 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 Plan and Data Analysis Timeline: 15 points (CLO 1, 2, 11)
Submit a detailed timeline for data collection. 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 6, 2019 at 10:00pm.

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: Data updates are due Sept 20, Oct 18, Nov 8, and Nov 15 by 10:00 pm.

3. Final Version of Chapter 3: Methodology: 30 points (CLO 5, 6, 7, 10)
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 27, 2019 at 10:00 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: 60 points (CLO 1, 2, 3, 4, 10)
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 completed and chapters should be free of errors in spelling and grammar. Chapters 1 and 2 should be no more than 20 pages combined, not including references. Revised Chapter 1 and 2 are due November 1, 2019 at 10:00pm. 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. Chapter 4 Results: 40 points (CLO 8, 9, 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. Chapter 4 is Due December 6, 2019 at 10:00pm.

6. Final Presentation: 15 points (CLO 7, 8, 9, 11)
Prepare a short research presentation sharing preliminary results of your study. Presentations should be created in PowerPoint and must include at least one data graph. You will have 5-7 minutes to discuss your study. Submit the Final Presentation to CANVAS by 4:00pm on December 12, 2019.

“Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.”
Final Examination or Evaluation

Prepare a short research presentation sharing preliminary results of your study. Presentations should be created in PowerPoint and must include at least one data graph. You will have 5-7 minutes to discuss your study. Submit the Presentation to CANVAS by 4:00pm on December 12, 2019.

Alignment of Program and Course Learning Outcomes to Assignments

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Percentage of Grade</th>
<th>PLO</th>
<th>CLO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Collection and Analysis Timeline</td>
<td>15</td>
<td>7.5%</td>
<td>8</td>
<td>1, 2, 11</td>
</tr>
<tr>
<td>Data Updates (4 x 10 pts)</td>
<td>40</td>
<td>20%</td>
<td>8</td>
<td>1, 6, 11</td>
</tr>
<tr>
<td>Final Version Chapter 3</td>
<td>30</td>
<td>15%</td>
<td>8</td>
<td>5, 6, 7, 10</td>
</tr>
<tr>
<td>Final Version Chapter 1 and 2</td>
<td>60</td>
<td>30%</td>
<td>8</td>
<td>1, 2, 3, 4, 10</td>
</tr>
<tr>
<td>Preliminary Chapter 4</td>
<td>40</td>
<td>20%</td>
<td>8</td>
<td>8, 9, 11</td>
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<tr>
<td>Final Presentation</td>
<td>15</td>
<td>7.5%</td>
<td>8</td>
<td>7, 8, 9, 11</td>
</tr>
<tr>
<td>Total Points</td>
<td>200</td>
<td>100%</td>
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Grading Information

MA students must maintain 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 for extenuating circumstances and 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>Grade</th>
<th>Points</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A plus</td>
<td>196 to 200</td>
<td>98 to 100%</td>
</tr>
<tr>
<td>A</td>
<td>184 to 195</td>
<td>92 to 97%</td>
</tr>
<tr>
<td>A minus</td>
<td>180 to 183</td>
<td>90 to 91%</td>
</tr>
<tr>
<td>B plus</td>
<td>176 to 179</td>
<td>88 to 89%</td>
</tr>
<tr>
<td>B</td>
<td>164 to 175</td>
<td>82 to 87%</td>
</tr>
<tr>
<td>B minus</td>
<td>160 to 163</td>
<td>80 to 81%</td>
</tr>
<tr>
<td>C plus</td>
<td>156 to 159</td>
<td>78 to 79%</td>
</tr>
<tr>
<td>C</td>
<td>144 to 155</td>
<td>72 to 77%</td>
</tr>
<tr>
<td>C minus</td>
<td>140 to 143</td>
<td>70 to 71%</td>
</tr>
<tr>
<td>D plus</td>
<td>136 to 139</td>
<td>68 to 69%</td>
</tr>
<tr>
<td>D</td>
<td>124 to 135</td>
<td>62 to 67%</td>
</tr>
<tr>
<td>D minus</td>
<td>120 to 123</td>
<td>60 to 61%</td>
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Classroom Protocol

1. Arrive to class on time and stay for the full class period.
2. Attend all classes as attendance is important to your success in this course and in the MA program.
3. Be respectful with technology and use appropriately during class (i.e., cell phones on vibrate and out of sight, laptops used for work directly related to class).
4. Participate fully in class discussion.
5. Be an active listener and show respect for the opinions of others which may differ from your own.

Writing Support

Please make use of the writing support available through the university. Resources available on campus include:

1. LCOE Writing Tutor (http://www.sjsu.edu/education/studentsuccesscenter/advising-and-tutoring/index.html)
2. SJSU Writing Center (http://www.sjsu.edu/writingcenter/)
3. Peer Connections (http://peerconnections.sjsu.edu)

University Policies

Per University Policy S16-9 (http://www.sjsu.edu/senate/docs/S16-9.pdf), relevant information to all courses, such as academic integrity, accommodations, dropping and adding, consent for recording of class, etc., is available on Office of Graduate and Undergraduate Programs' Syllabus Information web page at http://www.sjsu.edu/gup/syllabusinfo/”. Make sure to visit this page, review and be familiar with these university policies and resources.
# Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics</th>
<th>Assignments Due</th>
</tr>
</thead>
</table>
| 1    | Aug 22 | In class session for all students  
Introductions  
Overview  
Updates on Studies | Submit Chapters 1, 2, and 3 from last semester to CANVAS by Friday Aug 23. Include comments from Dr. K. (You are not expected to have made revisions yet – just submit what was turned in.) |
| 2    | Aug 29 | All required to attend an individual meeting with instructor – scheduled every 15 minutes – sessions can be in-person or Zoom | |
| 3    | Sept 5 | **Small group session** – Only students conducting intervention research need to attend  
(reviewing single case designs, ensuring design is appropriate for your intervention, training data collectors, establishing IOA) | **Data Collection Plan due Friday Sept 6 @ 10:00pm** |
| 4    | Sept 12 | **Small group session** – Only students conducting survey or qualitative research need to attend  
(finalizing survey in Qualtrics, piloting surveys, recruitment methods for surveys) | |
| 5    | Sept 19 | Research and writing week for all | **Data update one due Friday Sept 20 @ 10:00pm** |
| 6    | Sept 26 | All required to attend an individual meeting with instructor – scheduled every 15 minutes – sessions can be in-person or Zoom | **Revised Chapter Three due Friday Sept 27 @ 10:00pm** |
| 7    | Oct 3 | **Small group session** – Only students conducting intervention research need to attend  
(single case design data analysis) | |
| 8    | Oct 10 | **Small group session** – Only students conducting survey or qualitative research need to attend  
(survey data analysis) | |
| 9    | Oct 17 | Research and writing week | **Data update two due Friday Oct 18 @ 10:00pm** |
| 10   | Oct 24 | All required to attend an individual meeting with instructor – scheduled every 15 minutes – sessions can be in-person or Zoom | |
| 11   | Oct 31 | In class session for All!  
Writing Chapter Four | **Revised Chapter 1 and 2 due Friday Nov 1 @ 10:00pm** |
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics</th>
<th>Assignments Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Nov 7</td>
<td>Research and writing week for all</td>
<td>Data update three due Friday Nov 8 @ 10:00pm</td>
</tr>
<tr>
<td>13</td>
<td>Nov 14</td>
<td>Research and writing week for all</td>
<td>Data update four due Friday Nov 15 @ 10:00pm</td>
</tr>
<tr>
<td>14</td>
<td>Nov 21</td>
<td>In class session for All! Final presentation format</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Dec 5</td>
<td>Research and writing week</td>
<td>Chapter 4 due Friday Dec 6 @ 10:00pm</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Dec 12</td>
<td>Final Presentations to class</td>
<td>Submit Final Presentation to CANVAS by 4:00pm</td>
</tr>
</tbody>
</table>

_Instructor reserves the right to change the schedule with due notice.
All schedule changes will be indicated in CANVAS.
Students are responsible for checking CANVAS and their SJSU email regularly for course updates._