

San José State University
College of Education / Special Education
EDSE 231X, Educational Research: Design and Implementation, Section 02
Fall 2022

Course and Contact Information

Instructor(s): Alicia Henderson, Ph.D., CCC-SLP
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Office Hours: Thursdays 4:00pm – 5:00pm, Zoom apt. available by request
Class Days/Time: Tuesdays, 7:00pm – 9:45pm
Classroom: Sweeney Hall 211

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.

Course Format

This is an in-person class that meets weekly. Refer to the course schedule for three classes designated for writing.

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.

Program Learning Outcomes (PLO)

PLO 5: Graduates will utilize research-based knowledge and theoretical, conceptual and evidence-based practices related to individuals with disabilities to improve services and instruction in the field.

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: No new textbooks are needed for this course. You will continue with the textbooks from EDSE 231.

Educational Research: Competencies for Analysis and Applications 12th edition
Authors: Mills and Gay (2019)

Publication Manual of the American Psychological Association (APA Manual) 7th Edition (2020)

Technology requirements / equipment / material

Students will need access to the internet and appropriate data analysis tools for their research project: Microsoft Word, Microsoft Excel, and Qualtrics. These are available free to students through the IT department.

Library Liaison

Mantra Roy
mantra.roy@sjsu.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. Do not email assignments to the instructor. Please remember that your chapters must follow the guidelines in the APA manual 7th edition. Please proofread your papers carefully before submission to avoid excessive errors (i.e., spelling errors, run-on sentences, fragments, subject-verb disagreements, incorrect verb tense and/or lengthy sentence structures).

1. **Updates on data collection and progress of the study:** 10 points (5 x 2 points) (CLO 1, 6, 11)
Each student is responsible for submitting periodic updates on data collection and progress of their study five times during the semester. Progress updates are due Sept 6, Sept 20, Oct 11, Nov 1, and Nov 15.

2. Final Version of Chapter 2 (Methods): 20 points (CLO 5, 6, 7, 10)

A first-version of Chapter 2 was submitted in the previous class, EDSE 231. Make revisions to Chapter 2 based upon revisions needed if you adjusted your research project in the IRB process and any feedback from your instructor. This chapter should now be written in the past tense and should be error free. Chapter 2 should be no more than 10 pages, not including references and appendix. The rubric for this assignment is in Canvas. Final Chapter 2 is due October 4

3. Final version of Chapter 1 (Intro and Lit Review): 30 points (CLO 1, 2, 3, 4, 10)

Submit the final version of Chapter 1 based on revisions suggested last semester and any changes made to your research design. All edits should be completed and the chapter should be free of errors in spelling and grammar. Chapters 1 should be no more than 18 pages, not including references. The rubric for this assignment is in Canvas. Final Chapter 1 is due October 18.

4. Preliminary Results – Chapter 3: 30 points (CLO 8, 9, 11)

After data has been collected you will analyze data following your plan from Chapter 2. 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 data tables and narrative to CANVAS. You will develop Chapter 4 in the next class. The template for Chapter 3 and rubric for this assignment are in Canvas. Preliminary Results are Due November 29.

5. Final Presentation: 10 points (CLO 7, 8, 9, 11)

Students will share their preliminary results in a final presentation at the last class session using PowerPoint or Google Slides. The rubric for this assignment is in Canvas. Final Presentation is due on December 6.

“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.”

Alignment of Program and Course Learning Outcomes to Assignments

Assignment	Points	Percentage of Grade	PLO	CLO
Data Updates (5 x 2 pts)	10	10%	5	1,6,11
Final Version Chapter 2	20	20%	5	5,6,7,10
Final Version Chapter 1	30	30%	5	1,2,3,4,10
Preliminary Chapter 3	30	30%	5	8,9,11
Final Presentation	10	10%	5	7,8,9,11
Total Points	100	100%		

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 need to complete all assignments to receive a grade in this class. Students need a B or higher in this course to move to the final MA course.
2. All written assignments need to adhere to APA format and should be free of spelling and grammatical errors.
3. Remember to cite all work and support any claims with research.
4. All assignments are expected on the due date specified. If you are having trouble completing them by the due date, please contact the instructor as soon as you can.

Determination of Grades

Grade	Points	Percentage
A+	98-100	98 to 100%
A	92-97	92 to 97 %
A-	90-91	90 to 91%
B+	88-89	88 to 89%
B	82-87	82 to 87%
B-	80-81	80 to 81%
C+	78-79	78 to 79%
C	72-77	72 to 77%
C-	70-71	70 to 71%
D+	68-69	68 to 69%
D	62-67	62 to 67%
D-	60-61	60 to 61%

Classroom Protocol

1. In order to maximize our work together please arrive to class on time and stay for the full class. Most class sessions will be workshop style and you will get to work on your research.
2. Technology should be used for class purposes only - avoid surfing or checking email while in class.
3. You are expected to respect others in class and show tolerance for viewpoints different than ones' own.

Writing Support

I encourage all of you to 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.

Student Recording of Class Sessions

Students are prohibited from recording class activities (including class lectures, office hours, advising sessions, etc.), distributing class recordings, or posting class recordings. Materials created by the instructor for the course (syllabi, lectures and lecture notes, presentations, etc.) are copyrighted by the instructor. This university policy (S12-7) is in place to protect the privacy of students in the course, as well as to maintain academic integrity through reducing the instances of cheating. Students who record, distribute, or post these materials will be referred to the Student Conduct and Ethical Development office. Unauthorized recording may violate university and state law. It is the responsibility of students that require special accommodations or assistive technology due to a disability to notify the instructor.

Technology Requirements

Students are required to have an electronic device (laptop, desktop or tablet) with a camera and built-in microphone. SJSU has a free equipment loan program available for students. Students are responsible for ensuring that they have access to reliable Wi-Fi during tests. If students are unable to have reliable Wi-Fi, they must inform the instructor, as soon as possible or at the latest one week before the test date to determine an alternative. See Learn Anywhere website for current Wi-Fi options on campus.

EDSE 231X-02 / Educational Research: Design and Implementation, Fall 2021
Course Schedule

Week	Date	Topics	Assignments Due
1	Aug 23	Introduction Review of Syllabus Overview of assignments Finalizing IRB if not submitted	
2	Aug 30	Creating a Timeline Methods Review: Consent Forms, Training Data Collectors Pilot Surveys	
3	Sep 6	Survey Revisions Distributing Surveys & anonymizing responses	Submit Update #1
4	Sep 13	Qualtrics Survey Software	
5	Sep 20	Revising Chapter 2	Submit Update #2
6	Sep 27	Data Collection, Research and Writing Week 1	
7	Oct 4	Revising Chapter 1	Submit Final Chapter 2
8	Oct 11	Data Collection, Research and Writing Week 2	Submit Update #3
9	Oct 18	Data Analysis in Qualtrics <ul style="list-style-type: none"> • Descriptive Statistics & Cross Tabulations • Filtering Responses in Qualtrics • Using Statistical Analysis Features 	Submit Final Chapter 1
10	Oct 25	Data Collection, Research and Writing Week 3	
11	Nov 1	Mandatory Individual Meetings (sign-up in class)	Submit Update #4 prior to meeting
12	Nov 8	Data Analysis Continued <ul style="list-style-type: none"> • Analysis of Central Tendency • Statistical Analysis – Significance & Reliability • Thematic Analysis of Open-ended Responses • Answering your Research Question • APA Data Tables 	
13	Nov 15	Writing Chapter 3 - Results <ul style="list-style-type: none"> • Tables and Narrative Text • Organizing Information in Tables • Summarizing Participants • Summarizing the Data 	Submit Update #5
14	Nov 22	Thanksgiving Week	
15	Nov 29	Preparing the final presentation	Submit Preliminary Results / Chapter 3
Finals	Dec 6	Final Presentation	