

**ERE 220
RESEARCH IN EDUCATION
Spring 2020**

Instructor:

Hours: By Appointment

Phone:

E-mail:

Schedule: Online

Required Texts:

Johnson, R. B., & Christensen, L. (2017). Educational research: Quantitative, qualitative, and mixed approaches (6th ed.). Thousand Oaks, CA: Sage Publications.

Multiple articles will be required. These will be available in blackboard.

Optional (but highly recommended) Text:

American Psychological Association. (2010). *Publication Manual of the American Psychological Association*. (6th ed.). Washington, DC: Author.

Important Immediate Access Textbook Information – Please Read –

You are enrolling into an Immediate Access (IA) course - This means that all or some of the materials are delivered to you digitally through your professor's Canvas system. All IA communication will be delivered to your Fresno State email account...It is YOUR RESPONSIBILITY to read all communication coming from the Bookstore. Look for email headers such as "IMPORTANT INFORMATION" or "REMINDERS"

ALL IA materials are free for the first 10 days of the start of the semester to all students enrolled - After the 10th day, students who did not OPT OUT of the materials will be charged on their student account the cost of the materials. This information can be found in your welcome letter email from the Bookstore. If you didn't receive an email, please contact sguthier@mail.fresnostate.edu

OPTING OUT means that you DO NOT want the materials delivered digitally and that YOU are responsible to get the materials on your own – usually at a higher cost. If you OPT OUT, your digital access will be revoked.

DO NOT purchase digital materials directly from the Publisher website or any other purchase that would require you to enter a credit card for purchase. You will be billed TWICE! If you are OPTED IN, the campus will bill your student account.

THE LAST DAY TO OPT OUT IS January 31st, 2020. – It is YOUR responsibility to OPT OUT. Once you click on the OPT OUT link in your Welcome Letter email or in your Professor's Canvas page, you will receive a confirmation email. If you do not receive this email, try opting out again or contact the Bookstore.

DO NOT pay for your materials through Canvas!!! If the link provided requires an "ACCESS CODE" it will be delivered to you in your Fresno State email account from the Bookstore. ALL CHARGES will be billed to your student account.

Student accounts will be charged by February 10th, 2020...You will have until February 20th, 2020 to pay on your student account either online or at Joyal Administration. If you're on financial aid, scholarship or other benefit programs you are still obligated to pay on your account...Please put this money aside.

If you enroll after the 10th day of class, you will have 24 hours to review the materials and OPT OUT of the program.

Any questions about the IA program can be directed to sguthier@mail.fresnostate.edu

Catalog Description:

Seminar in education research methodology; library resources; critiquing data collection, analyses, interpretation in research articles; writing research papers; for elementary and secondary teaching, early childhood, reading, administration, counseling, special education, and related fields.

Course Purpose and Description

The aim of this course is to introduce concepts and approaches to conduct educational research. The purpose of the course is to:

- Promote students' appreciation of the role of educational research in educational policy and practice. (CTC30-3)
- Promote students' awareness of the methods of quantitative and qualitative methodologies to conduct educational research. (CTC30)
- Provide students opportunities to identify research interests, possible research questions and to identify appropriate research methods to address research questions.
- Encourage students to critically evaluate empirical studies in peer-reviewed journals. (CTC30-2)
- Promote students' skills to read, analyze, and evaluate empirical studies through oral and written modes of communication. (CTC30-2)

Student-based Learning Objectives

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

1. Explain the processes and methods involved in systematic inquiry of educationally relevant research questions.

2. Identify and explain research designs, appropriate quantitative and qualitative sampling techniques and measurement of variables.
3. Compare and contrast qualitative and quantitative methods and discuss the appropriateness of each method for various research questions.
4. Read and critique empirical research.
5. Describe and understand data collection, analysis, and interpretation processes.
6. Understand issues in research (i.e. bias, access, confidentiality, security, rapport, IRB procedures, data saturation, and triangulation).

This Course Meets the Commission of Teacher Credentialing Standard 30:

1. Candidates demonstrate knowledge of principles of research design, action research, and program evaluation, including traditional experimental design as well as qualitative and single-subject designs.
2. Candidates are able to differentiate high quality from inadequate research, and understand measurement and statistics in sufficient depth to evaluate published research and conduct evaluations of counseling and guidance and other educational programs in terms of student outcomes.
3. Candidates understand and utilize computer technology and attendant technological applications for conducting program evaluation.

Planned Schedule

Date	Topics	Text Chapter	Assignment Due
Module 1 1/20-1/26	Course overview Expectations of learning space		
Module 2 1/27-2/2	Quantitative, qualitative, and mixed research Action research (CTC30-1 Introduce)	JC: Ch. 1, 2, & 3	
Module 3 2/3-2/9	Planning a Research Study (CTC30-2 Introduce)	JC: Ch. 4	
Module 4 2/10-2/16	Literature review (CTC30-1&2 Practice)		Research Topic
Module 5 2/17-2/23	IRB Research ethics	JC: Chs. 5 & 6 JC: Ch. 22 Fresno State – IRB Policy & Procedures Handbook	Statement of Research Problem
Module 6 2/24-3/1	Library Visit		CITI Certification
Module 7 3/2-3/8	Foundations of Research Methods of data collection Constructing a questionnaire (CTC30-2 & 3 Introduce)	JC: Chs. 8 & 9	Library Assignment
Module 8	Mid Term		

3/9-3/15			
Module 9 3/16-3/22	Foundations of Research Sampling (CTC30-1 Introduce)	JC: Chs. 10 & 11	Statement of Purpose
Module 10 3/23-3/29	Reliability & Validity (CTC30-2 introduce)	JC: Ch. 11	Research Questions
Module 11 3/30-4/5	Experimental Research (CTC30-1 introduce)	JC: Ch. 12 & 13	
Spring Break 4/6-4/12			
Module 12 4/13-4/19	Survey Design Correlational Research (CTC30-2 introduce)		Research Methodology
Module 13 4/20-4/26	Analyzing Data Descriptive statistics Data analysis (CTC30-3 introduce)	JC: Ch. 18 & 19	Literature Review
Module 14 4/27-5/3	Research Methods Narrative inquiry, case studies, phenomenology, ethnography & grounded theory (CTC30-1 Introduce)	JC: Chs. 15 & 16	
Module 15 (30-1a-2a- 3a) 5/4-5/10	Proposal Help Sessions	JC: Ch. 21	
Module 16 5/11-5/15	Final		Final Presentation Final Paper

Please note: The above schedule and procedures for this course are subject to change in the event of extenuating circumstances.

Assignments

Protecting Human Research Participants CITI Certificate: Due March 1st (25 points)

The purpose of this assignment is for students to understand the ethical and legal guidelines and regulations when conducting research with human subjects. This assignment requires students to complete an online module through the online module at the following site:

<http://www.fresnostate.edu/academics/humansubjects/training-modules/index.html>

****The purpose of the following assignments is for students to create a Research Proposal Plan for a study they wish to conduct. Students will complete assignments that will culminate with a Research Proposal Plan. *****

Research Topic: Due Feb 16th (25 points)

In this assignment students will identify a research topic they wish to learn more about. In this 1 page document students will a) describe the topic they are interested in exploring, b) why they

are interested in exploring this topic (personal, professional, and/or academic), and c) what they hope to learn and/or contribute to the understanding of this topic.

Statement of the Research Problem: Due Feb 23rd (25 points) (CTC30-1 Practice and Assessment)

This assignment requires students to describe the research problem. Students must include at least 1 reference in this description. The statement of the research problem must describe the issue(s) and/or problem(s) that justify a need for the study. Questions students might consider to with this assignment include: What is the need for the study? What problem influenced the need to undertake this study? Please refer to Chapter 4 for a description of the research problem.

This 1 page assignment will be evaluated on the student's ability to articulate the need for the proposed study that is informed by the existing literature (properly cited in APA) on the research topic.

Statement of the Purpose of the Study: Due March 22nd (25 points)

In this assignment students will describe the purpose of the study. This should not be more than 1 page (more like a statement) and concisely describe the aim, goals, and purpose of the proposed study. Please refer to Chapter 4 for a description of the statement of the purpose of the study.

This assignment will be evaluated on the student's ability to clearly describe the purpose of the study that adequately captures the aims, goals, and purpose of the study.

Research Questions: Due March 29th (25 points) (CTC30-1&2 Practice and Assessment)

In this assignment, students will identify research questions they seek to explore as part of their research design plan. The research questions must be answerable and informed by the literature from the course text and outside readings.

Evaluation of this assignment will be on the student's ability to identify research questions that are answerable and aligned with the proposed methodology.

Research Methodology: Due April 19th (50 points) -CTC 30-1 Practice and Assess

This assignment requires students to identify the proposed research design of the study. This will require students to describe a) possible research participants (if any), b) instruments used in the study (if any), c) methods for carrying out the research and d) a detailed description of the procedures to carry out the research design, e) a section on how the data will be analyzed will also need to be described and f) validity of research results. Please review (chapters 5, 9, 10, 11) for a description of the components that make up the research methodology.

This assignment will be evaluated on the student's ability to integrate course concepts into their research methodology. Students will also be evaluated on the description and alignment between possible research participants, instruments, methods, and the description of procedures to carry out research study.

Literature Review: Due April 26th (50 points)

This assignment requires students to synthesize the literature related to the research topic and/or research design. Students will submit a list of 10 APA formatted sources. The purpose of this assignment is for students to conduct scholarly research on a topic and demonstrate their understanding of APA formatting. All sources must be from academic journals and/or agency reports (No more than 3 sources can be dissertations). Students will utilize this assignment to inform the brief overview of the literature section of the Research Proposal Plan.

Evaluation of this assignment will involve the following:

- Citations are properly cited in APA

Research Proposal Plan Presentation: Due May 15th (50 points) (CTC30-3 Practice & Assessment)

The purpose of this assignment is for students to strengthen their presentation skills, and demonstrate knowledge and analysis of their research proposal plan. This assignment requires an in class oral presentation of the research proposal plan. The presentation must include: a) an introduction of the research topic, b) statement of the research problem, c) brief summary of previous literature, d) statement of the purpose of the study, and e) research design (with all appropriate components). The slides must include in-text APA citations and references. The presentation should be no more than 10 minutes.

Research Proposal Plan: Due May 15th (200 points) (CTC30-1,2,3 Assessment)

This assignment is the culmination of the individual exercises/assignments completed throughout the semester. This assignment should include core concepts from the course to demonstrate competency in research design. The Research Proposal Plan should include the following components title page, abstract, introduction, statement of the research problem, statement of the purpose of the study, research questions, a brief overview of the literature, participants, apparatus/instruments, methods, procedures, data analysis, a validity section, and references. The Research Proposal Plan should be at least 10 pages (not including title page or references). This assignment must include at least 10 references not including course textbook (No more than 3 sources can be dissertations).

Mid Term: Due March 15th (71 pts) (CTC30-1,2,3 Assessment)

Final: Due TBD

Course Evaluation & Grading

Letter grades will be awarded as follows:

Letter Grade Points Earned

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F ≤ 60%

Course Policies

Subject to Change Statement

This syllabus and schedule are subject to change by the discretion of the instructor.

Writing Expectations

I expect students to submit all work following APA guidelines. All papers must abide by APA guidelines and will be assessed for accuracy. Please utilize Fresno State Resources if you are unfamiliar with APA or need further assistance. The Graduate Writing Studio is a great place to receive support with your writing and it is expected and highly encouraged for students to take advantage of this resource.

Attendance & Participation

Attendance and class participation are vital to this course. Please note that attendance at ALL sessions is expected given that we are only meeting eight times during the semester. Please note that missing (or any part of) class (regardless of reason) will result in lower participation points that will affect your grade. As an integral member of the learning space, attendance and participation are central to this course.

Professional courtesy requires that students should notify the instructor prior to class if he/she must be absent due to an unforeseen circumstance such as illness or an emergency. These circumstances will require appropriate documentation (i.e. doctor's notice). However, all missed readings must be completed and assignments must be turned in by the assigned date.

As graduate students, I expect meaningful engagement with the course material and your peers. Relevant participation includes presenting good examples (informed by the readings), raising good questions, recognizing an appropriate level of participation, being sensitive to and responding appropriately to others' comments.

Email Expectations

Your university email address is my primary means of contacting you outside of class. I will check my university email and respond within 48 hours on *days Fresno State classes are in session*. I expect the same from everyone in our class. If needed, please make arrangements to forward your university address to an email address you check frequently enough to meet this expectation.

Late Work

All assignments must be submitted by the assigned date and time and will only be accepted via Blackboard. *Hard copies will not be accepted*. Late assignments will be deducted 10% of a grade and require a written statement explaining the late submission. I will not read any work that is more than one week late, unless there are extenuating circumstances.

Educational Leadership & Administration Program Policy

Earning a "C" grade or below in a master's course in the Educational Leadership and Administration program is not considered to be a satisfactory grade. The first "C" obtained places a student on academic probation and the second "C" acquired will mean dismissal from the program. If a grade of "C" is earned, the course must be retaken without replacement

(meaning the original grade received remains on the transcript and is included in GPA calculations).

University Policies

Students with Disabilities

California State University, Fresno is committed to meeting the spirit and letter of the *Americans with Disabilities Act (ADA)*. Upon identifying themselves to the instructor and the university, students with disabilities will receive reasonable accommodation for learning and evaluation. For more information, contact Services to Students with Disabilities in the Henry Madden Library, Room 1202 (559) 278-2811.

Honor Code

"Members of the CSU Fresno academic community adhere to principles of academic integrity and mutual respect while engaged in university work and related activities." You should:

- a) Understand or seek clarification about expectations for academic integrity in this course (including no cheating, plagiarism and inappropriate collaboration)
- b) Neither give nor receive unauthorized aid on examinations or other course work that is used by the instructor as the basis of grading.
- c) Take responsibility to monitor academic dishonesty in any form and to report it to the instructor or other appropriate official for action.

Cheating and Plagiarism

"Cheating is the actual or attempted practice of fraudulent or deceptive acts for the purpose of improving one's grade or obtaining course credit; such acts also include assisting another student to do so. Typically, such acts occur in relation to examinations. However, it is the intent of this definition that the term 'cheating' not be limited to examination situations only, but that it include any and all actions by a student that are intended to gain an unearned academic advantage by fraudulent or deceptive means. Plagiarism is a specific form of cheating which consists of the misuse of the published and/or unpublished works of others by misrepresenting the material (i.e., their intellectual property) so used as one's own work." Penalties for cheating and plagiarism range from a 0 or F on a particular assignment, through an F for the course, to expulsion from the university. For more information on the University's policy regarding cheating and plagiarism, refer to the Class Schedule (Legal Notices on Cheating and Plagiarism) or the University Catalog (Policies and Regulations).

Disruptive Classroom Behavior

"The classroom is a special environment in which students and faculty come together to promote learning and growth. It is essential to this learning environment that respect for the rights of others seeking to learn, respect for the professionalism of the instructor, and the general goals of academic freedom are maintained. ... Differences of viewpoint or concerns should be expressed in terms which are supportive of the learning process, creating an environment in which students and faculty may learn to reason with clarity and compassion, to share of themselves without losing their identities, and to develop and understanding of the community in which they live . . . Student conduct which disrupts the learning process shall not be tolerated and may lead to disciplinary action and/or removal from class."

Copyright Policy

Copyright laws and fair use policies protect the rights of those who have produced the material. The copy in this course has been provided for private study, scholarship, or research. Other uses may require permission from the copyright holder. The user of this work is responsible for adhering to copyright law of the U.S. (Title 17, U.S. Code). To help you familiarize yourself with copyright and fair use policies, the University encourages you to visit its Copyright Web Page (<http://csufresno.edu/library/information/copyright/>).

Technology Innovations for Learning & Teaching (TILT) course web sites contain material protected by copyrights held by the instructor, other individuals or institutions. Such material is used for educational purposes in accord with copyright law and/or with permission given by the owners of the original material. You may download one copy of the materials on any single computer for noncommercial, personal, or educational purposes only, provided that you (1) do not modify it, (2) use it only for the duration of this course, and (3) include both this notice and any copyright notice originally included with the material. Beyond this use, no material from the course web site may be copied, reproduced, re-published, uploaded, posted, transmitted, or distributed in any way without the permission of the original copyright holder. The instructor assumes no responsibility for individuals who improperly use copyrighted material placed on the web site.

Blackboard Access Problems

If you are having problems accessing Blackboard, please contact TILT (tiltsupport@csufresno.edu) or 559-278-6892 or 559-278-7373 (TILT/Blackboard Resource Center).