



COURSE EDCI 696.41B Research: Design and Replication

COURSE SYLLABUS: Fall 2026

INSTRUCTOR INFORMATION

Instructor: Dr. Carol Revelle

Office Location: EDS 231

Office Hours: Tuesday 12:00 PM – 5:00 PM & Wednesday 12:00 – 4:00 PM

University Email Address: carol.revelle@etamu.edu

Preferred Form of Communication: email

Communication Response Time: 24 hours - weekdays

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required:

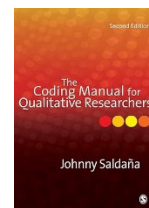
Merriam, S.B. (1998). *Qualitative research and case study applications in education*. Jossey-Bass: CA. Saldana, J. (2009). *The Coding manual for qualitative researchers*. SAGE: CA. **Available for free as a library digital resource**



Basit, T. N. (2010). *Conducting research in educational contexts*. Continuum: NY.

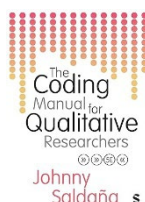


Saldana, J. (2009). *The Coding manual for qualitative researchers*. SAGE: CA. **Available for free as a library digital resource**

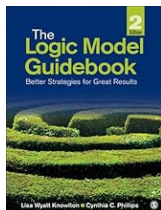


Optional Texts and/or Materials:

Saldana, J. (2025). *The Coding manual for qualitative researchers*. SAGE: CA. **This is just the updated version of the free copy in the library. It has updated information about the use of AI.**



The syllabus/schedule are subject to change.



Knowlton, L.W. and Phillips, C. C. (2013). *The Logic model guidebook: Better strategies for great results*. 2nd Edition. SAGE: CA.

Feak, C. B. and Swales, J. M. (2009). *Telling a research story: Writing a literature review*. The University of Michigan Press, MI.



Course Description

This is an approved Level III doctoral research tools course that provides application of research methodology in curriculum and instruction including basic concepts employed in quantitative and qualitative research methods. Students will carry out the research study designed in [EDCI 695](#), data collection, data analysis, and use of computer applications for research. Prerequisites: [EDCI 695](#), a Level 2 Doctoral Research Tool ([EDCI 699](#) or [HIED 617](#) or [PSY 612](#)), and Doctoral level standing. Note: Meets requirements for a Level 3 research tool course

An application of research methodology in curriculum and instruction including basic concepts employed in quantitative and qualitative research methods. This course includes conducting data collection, data analysis, and use of computer applications for research. Students will, by the end of semester, develop skills and knowledge necessary to write a draft of a research proposal. This is not a statistics class, but students should be currently enrolled or have completed one statistics course. Prerequisites include the completion of EDCI 695 and Doctoral level standing or consent of the instructor.

Student Learning Outcomes (Should be measurable; observable; use action verbs)

1. The student will increase their skills in reviewing and critiquing peer-reviewed studies for the purpose of learning how to understand research results, conclusions, and implications.
2. The student will increase their skills in writing research questions, and hypotheses for quantitative and mixed methods research.
3. The student will increase their knowledge and ability to select structured quantitative instruments and create qualitative and mixed methods questionnaires by which to measure their hypotheses.
4. The student will increase their skills in determining what statistical method to use to test their quantitative data.
5. The student will analyze data using Excel and SPSS, present and interpret results, and write a brief report using tables.
6. The student will develop datasets using Excel and import into SPSS for analysis.

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COURSE REQUIREMENTS

Minimal Technical Skills Needed

Since EDCI 698 utilizes **D2L (Brightspace)**, an intermediate level of experience using a computer is required. This includes the ability to receive and submit electronic course materials; ability to use a word processing program; ability to send and receive e-mail; ability to upload and download files; ability to participate in online quizzes and discussions.

Additional technical skills related to the advanced use of word processing software and advanced research skills are also required for ongoing work on the dissertation.

Instructional Methods

This course meets face-to-face or synchronously online every other week during the semester for mini lessons and applied practices that support ongoing work. Readings are required to be prepared for class. Between classes, students participate with the instructor and each other in an ongoing writing workshop with benchmarks set at intervals to drive continual progress through the problem of practice.

Student Responsibilities or Tips for Success in the Course

Complete assigned readings before class, and come prepared with the requested content for the mini lesson (data, texts, drafts, etc...)

Come prepared to participate fully in both partner and instructor workshop conferences by reading peer submissions to the group before meeting and giving focused questions and requests to the instructor to guide instructor conferences.

Plan a regular time for writing. Increase output during weeks that you are not scheduled for a conference.

Start keeping a list of things (forms, permissions, research, schedules, etc...) that need to be attended to later and revisit your list regularly.

Create a realistic timetable for your dissertation that includes graduate school due dates.

Participate in our community of practice with compassion, reflection, and shared insights.

Meet regularly with your dissertation chair to check on your progress.

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Artificial Intelligence (AI) Use:

- AI can support clarity, organization, and motivation
- Do not prompt AI to create content
- It should not replace your original analysis, voice, or thinking
- If AI shaped your ideas or phrasing, revise in your voice and cite responsibly
- YOU are responsible for all the work you submit

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

Assessments

10 Points Total - 2 CITI Training Certificates – 5 Points Each: Responsible Conduct of Research and Social & Behavioral Research – 10 %

30 Points Total – 5 Points Each

- Workshop #1 Instructor Conference Reflection
- Workshop #1 Peer Conference Survey
- Workshop #2 Instructor Conference Reflection
- Workshop #3 Peer Conference Survey
- Workshop #3 Instructor Conference Reflection
- Workshop #3 Peer Conference Survey

20 Points

Written Methodology Draft – 15–25 pages that includes a well-supported research design, a data collection plan, a plan for data analysis, an address of ethics and limitations in the study.

50 Points Total

- Individual Pilot Study Activity – 10 Points
- Respecting the Educational Context Revisited – Reflection – 5 Points

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- Empirical Materials Presentation – 10 Points
- Coding Method Profile Presentation – 10 Points
- Final: Socratic Seminar: “In the AI era, are researchers and research techniques such as data collection and analysis still relevant or even necessary?” – 15 Points

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

Zoom Video Conferencing Tool

https://inside.etamu.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@etamu.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a campus open computer lab, etc.

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COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](http://www.etamu.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx).

<http://www.etamu.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

ETAMU Attendance

For more information about the attendance policy please visit the [Attendance](http://www.etamu.edu/admissions/registrar/generalInformation/attendance.aspx) webpage and [Procedure 13.99.99.R0.01](http://www.etamu.edu/admissions/registrar/generalInformation/attendance.aspx).

<http://www.etamu.edu/admissions/registrar/generalInformation/attendance.aspx>

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<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)
[Undergraduate Student Academic Dishonesty Form](#)

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](#)

<http://www.etamu.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

Artificial Intelligence Use

This course follows the guidelines set forth in the C&I doctoral handbook. When questions about AI come up, please reach out to Dr. Revelle or your dissertation chair to discuss appropriate use as needed. The general rule is that all content is created by students. AI use is delegated to improved organization and editing of this student content.

But remember, we do not know the future and the guidelines that will be established regarding the use of AI in academia. At this point, it seems safer to minimize AI use until clearer standards in the field have been developed.

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

East Texas A&M University
Velma K. Waters Library Rm 162

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Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@etamu.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.etamu.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

East Texas A&M University will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and East Texas A&M University Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M University campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

East Texas A&M University Supports Students' Mental Health

The Counseling Center at East Texas A&M University, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.etamu.edu/counseling-center

Mental Health and Well-Being

The syllabus/schedule are subject to change.

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.



Department or Accrediting Agency Required Content

COURSE OUTLINE / CALENDAR

Coming Soon

The syllabus/schedule are subject to change.