



## **EDCI 698, 41E, Research: Design & Replication**

COURSE SYLLABUS: Spring 2023

### **INSTRUCTOR INFORMATION**

**Instructor:** Dr. Karyn Miller, Assistant Professor

**University Email Address:** karyn.miller@tamuc.edu

**Preferred Form of Communication:** Email

**Communication Response Time:** 48 hours maximum (M-F)

### **COURSE INFORMATION**

Materials – Textbooks, Readings, Supplementary Readings

Textbook(s) Required

Creswell, J. W., & Creswell, J. D. (2023). *Research design: Qualitative, quantitative, and mixed methods approaches (6<sup>th</sup> Ed)*. Sage publications.

Software Required

Optional Texts and/or Materials

### **Course Description**

Examination of research designs related to curriculum and instruction including: survey research, quantitative content analysis, correlational research, true experimental research, quasi- experimental research, pre-experimental research, single-subject research/behavior analysis, causal-comparative research, program evaluation, qualitative research, combined qualitative/quantitative research, and meta-analysis. Coursework includes creation of a sophisticated research design appropriate for a doctoral dissertation.

Prerequisites: Doctoral level standing and **completion** of all Tools courses (1-4).

*The syllabus/schedule are subject to change.*

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

1. Students will identify, analyze, and critique the designs and methods used in previous research studies. Further, students will explain how multiple research designs can be used to study their own topic.
2. Students will become experts in a specific aspect of research design/methods and serve as a reading and discussion facilitator for that aspect.
3. Students will become familiar with the dissertation process and complete a mock dissertation defense.
4. Students will design, review, and document progress in the development of an informal research proposal (matrix), a formal research proposal (dissertation), and an Institutional Review Board (IRB) protocol.
5. Students will continue to read research journals in order to grow the reference section. Student will create a bibliography and a short reflective summary of the article in folder.
6. Students will continue to work on residency requirements, document progress and share that progress with the class.
7. Students will self-evaluate knowledge gained in the course and personal/professional growth from a metacognitive perspective.

## **COURSE REQUIREMENTS**

### **Minimal Technical Skills Needed**

Doctoral level standing and **completion** of all Tools courses (1-4).

### **Instructional Methods**

Multiple methods of instruction will be used. They include in-person lecture/discussions, cooperative groups, and web-assisted instruction. Additionally, students will take an active role as peer instructors in the class.

### **Student Responsibilities or Tips for Success in the Course**

- **Preparation, Participation, Knowledge, and Professionalism:** Check your Leo email (or other listed email) at least twice a week for updates, assignments, and notifications.
- Bring a copy (hard or electronic) of the readings to each face-to-face class session.
- Complete assignments prior to class as all work is due at the beginning of class. Note that most assignments will require out-of-class work prior to in-class discussion.

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- Be prepared to discuss, question, analyze, critique, and debate readings, research, and other class assignments.
  - Participate regularly in class and follow the conduct rules.
  - Demonstrate the attainment of a depth of knowledge commensurate with doctoral studies and professional behavior in all you do.
  - Lack of preparation, participation, and/or professionalism (please see the Code of Student Conduct in the Texas A&M University-Commerce Student Guidebook) may result in removal from class or lowering of your final grade. Plagiarism may result in dismissal from the doctoral program.
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1. **(100 pts.) Chapter Presentations:** Each student will select chapters from the textbook and create a PowerPoint presentation. The student will provide copies to each class member during the presentation. The presentation should include appropriate visuals to enhance our understanding of the key ideas and should engage the audience in their understanding of the implications for classroom practice. All information may come from the chapters and may be obtained from other sources as well. The presentation should be approximately 30 minutes.
  2. **(100 pts.) Doctoral Dissertation Matrix:** Students will complete the Doctoral Dissertation Matrix that will be provided by the instructor and share with other students in class. The final matrix will be submitted to the instructor.
  3. **(100 pts.) Draft of Dissertation Proposal:** Students will complete a draft of the dissertation proposal using the doctoral dissertation template. The template can be found on the Graduate School website.
  4. **(75 pts.) PowerPoint Presentation of Proposal:** Students will conduct a PowerPoint presentation of their dissertation proposal in class. The PowerPoint will discuss background of study, review of the literature, research questions, research design, methodology, findings, and conclusions.

EDCI 698 - Page 3 of 9

6. **(25 pts.) Final Written Self-Evaluation:** Prepare a final written evaluation that addresses each student learning outcome, evaluates each requirement, and suggests a final grade for the course. Students will reflect on several questions regarding their experiences in the course and the impact of course assignments on their understanding of the fundamentals of conducting educational research.

## 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

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Weights of the assessments in the calculation of the final letter grade.

Doctoral Dissertation Matrix	20%
Discussions	20%
Dissertation Proposal	30%
Final Presentation	20%
Final self-evaluation	10%

TOTAL            100%

### **Assessments**

**Class Discussion:** Every in-person session will include vigorous class discussion of the assigned readings and opportunities to apply key concepts.

**Doctoral Dissertation Matrix:** Students will complete the Doctoral Dissertation Matrix that will be provided by the instructor and share with other students in class. The final matrix will be submitted to the instructor.

**Draft of Dissertation Proposal:** Students will complete a draft of the dissertation proposal using the doctoral dissertation template. The template can be found on the Graduate School website.

**PowerPoint Presentation of Proposal:** Students will conduct a PowerPoint presentation of their dissertation proposal in class. The PowerPoint will discuss background of study, review of the literature, research questions, research design, methodology, findings, and conclusions.

**Final Written Self-Evaluation:** Prepare a final written evaluation that addresses each student learning outcome, evaluates each requirement, and suggests a final grade for the course. Students will reflect on several questions regarding their experiences in the course and the impact of course assignments on their understanding of the fundamentals of conducting educational research.

## **TECHNOLOGY REQUIREMENTS**

### **LMS**

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

LMS Requirements:

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

LMS Browser Support:

[https://documentation.brightspace.com/EN/brightspace/requirements/all/browser\\_support.htm](https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm)

Zoom Video Conferencing Tool

[https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom\\_Account.aspx?source=universalmenu](https://inside.tamuc.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@tamuc.edu](mailto:helpdesk@tamuc.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 TAMUC campus open computer lab, etc.

## 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

*Participation & Communication:* Each of you is expected to participate fully in assigned readings related to course topics, chapter presentations, and discussions of current articles. Your active and thoughtful participation is expected in course assignments. Regular attendance is necessary and will be expected of all students.

In regards to communication, please use my email ([karyn.miller@tamuc.edu](mailto:karyn.miller@tamuc.edu)) to correspond with me regarding class matters. Also, I will be happy to schedule individual appointments with you, if needed. Also, I will post readings and assignment information in the D2L course shell.

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# **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.tamuc.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>

### **TAMUC Attendance**

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

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

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

### **Academic Integrity**

Students at Texas A&M University-Commerce 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.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](#)

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

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

## **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**

Texas A&M University-Commerce

Velma K. Waters Library Rm 162

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

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

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

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

## **Nondiscrimination Notice**

Texas A&M University-Commerce 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 Texas A&M University-Commerce 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 A&M-Commerce 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.

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Web url:

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

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

### **A&M-Commerce Supports Students' Mental Health**

The Counseling Center at A&M-Commerce, 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.tamuc.edu/counsel](http://www.tamuc.edu/counsel)

### **Department or Accrediting Agency Required Content**

### **COURSE OUTLINE / CALENDAR**

The course calendar is available in D2L.

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