

EDCI 698.410
Research: Design and Replication
COURSE SYLLABUS: SPRING 2020

INSTRUCTOR INFORMATION

Instructor: David L. Brown, PhD
Office Location: Education South, 229
Office Hours: By Appointment
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Preferred Form of Communication: Email
Communication Response Time: 24 - 48 Hours (Monday thru Friday)

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Class Meeting Information (exact dates available on Page 13):

Every other Wednesday – **First class meets February 12, 2019**
4:30 pm to 10:00 pm

Textbook(s) Required

Creswell, John W. & Creswell, J. David (2018) “Research Design: Qualitative, Quantitative, and Mixed Methods Approaches” (5th Edition). SAGE Publications, ISBN # 978-1506386706

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.

Prerequisite:

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

Student Learning Outcomes

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

This is not an Online Course but some technological resources will be required.

Access to a Computer with

- Internet Access
- Microsoft Word Processing Software
- Microsoft Power Point Software
- Adobe or Foxit Reader to open PDF File

Instructional Methods

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

Course Requirements:

1. **Preparation, Participation, Knowledge, and Professionalism:** Check your Leo email (or other listed email) at least twice a week for updates, assignments, and notifications.
 - a) Bring a copy (hard or electronic) of the readings to each face-to-face class session.
 - b) 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.
 - c) Be prepared to discuss, question, analyze, critique, and debate readings, research, and other class assignments.
 - d) Participate regularly in class and follow the conduct rules.
 - e) Demonstrate the attainment of a depth of knowledge commensurate with doctoral studies and professional behavior in all you do.
 - f) 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.

2. **(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.
3. **(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.
4. **(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.
5. **(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.
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.

Student Responsibilities or Tips for Success in the Course

Each of you are expected to participate fully in assigned readings related to course topics, chapter presentations, discussions of current articles, and presentations of math science lessons. Your active and thoughtful participation is expected in course assignments. Regular attendance is necessary and will be expected of all students.

GRADING

Grading	Point Value
<u>Assignments</u>	
Chapter Presentations	100
Doctoral Dissertation Matrix	100
Draft of Dissertation Proposal	100
PowerPoint Presentation of Proposal	75
Final Written Self-Evaluation	25
Total Points	400

Assessments

Information on how assignments are related to the course outcomes and how they are assessed can be found in the course assignment section.

TECHNOLOGY REQUIREMENTS

Browser support

D2L is committed to performing key application testing when new browser versions are released. New and updated functionality is also tested against the latest version of supported browsers. However, due to the frequency of some browser releases, D2L cannot guarantee that each browser version will perform as expected. If you encounter any issues with any of the browser versions listed in the tables below, contact D2L Support, who will determine the best course of action for resolution. Reported issues are prioritized by supported browsers and then maintenance browsers.

Supported browsers are the latest or most recent browser versions that are tested against new versions of D2L products. Customers can report problems and receive support for issues. For an optimal experience, D2L recommends using supported browsers with D2L products.

Maintenance browsers are older browser versions that are not tested extensively against new versions of D2L products. Customers can still report problems and receive support for critical issues; however, D2L does not guarantee all issues will be addressed. A maintenance browser becomes officially unsupported after one year.

Note the following:

- Ensure that your browser has JavaScript and Cookies enabled.
- For desktop systems, you must have Adobe Flash Player 10.1 or greater.
- The Brightspace Support features are now optimized for production environments when using the Google Chrome browser, Apple Safari browser, Microsoft Edge browser, Microsoft Internet Explorer browser, and Mozilla Firefox browsers.

Desktop Support

Browser	Supported Browser Version(s)	Maintenance Browser Version(s)
Microsoft® Edge	Latest	N/A
Microsoft® Internet Explorer®	N/A	11
Mozilla® Firefox®	Latest, ESR	N/A
Google® Chrome™	Latest	N/A
Apple® Safari®	Latest	N/A

Tablet and Mobile Support

Device	Operating System	Browser	Supported Browser Version(s)
Android™	Android 4.4+	Chrome	Latest
Apple	iOS®	Safari, Chrome	The current major version of iOS (the latest minor or point release of that major version) and the previous major version of iOS (the latest minor or point release of that major version). For example, as of June 7, 2017, D2L supports iOS 10.3.2 and iOS 9.3.5, but not iOS 10.2.1, 9.0.2, or any other version.

Device	Operating System	Browser	Supported Browser Version(s)
			Chrome: Latest version for the iOS browser.
Windows	Windows 10	Edge, Chrome, Firefox	Latest of all browsers, and Firefox ESR.

- You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are:
 - 512 MB of RAM, 1 GB or more preferred
 - Broadband connection required courses are heavily video intensive
 - Video display capable of high-color 16-bit display 1024 x 768 or higher resolution
- You must have a:
 - Sound card, which is usually integrated into your desktop or laptop computer
 - Speakers or headphones.
 - *For courses utilizing video-conferencing tools and/or an online proctoring solution, a webcam and microphone are required.
- Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. At a minimum Java 7, update 51, is required to support the learning management system. The most current version of Java can be downloaded at: [JAVA web site http://www.java.com/en/download/manual.jsp](http://www.java.com/en/download/manual.jsp)
- Current anti-virus software must be installed and kept up to date.

Running the browser check will ensure your internet browser is supported.

Pop-ups are allowed.

JavaScript is enabled.

Cookies are enabled.

- You will need some additional free software (plug-ins) for enhanced web browsing. Ensure that you download the free versions of the following software:
 - [Adobe Reader https://get.adobe.com/reader/](https://get.adobe.com/reader/)
 - [Adobe Flash Player \(version 17 or later\) https://get.adobe.com/flashplayer/](https://get.adobe.com/flashplayer/)
 - [Adobe Shockwave Player https://get.adobe.com/shockwave/](https://get.adobe.com/shockwave/)
 - [Apple Quick Time http://www.apple.com/quicktime/download/](http://www.apple.com/quicktime/download/)

- At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies.

ACCESS AND NAVIGATION

Dr. Brown will send email attachments of all readings relating to course topics. We will not use D2L in this course.

COMMUNICATION AND SUPPORT

Need Help? Student Support

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

Interaction with Instructor Statement

Please use my email (David.Brown@tamuc.edu) to correspond with me regarding class matters. Also, I will be happy to schedule individual appointments with you, if needed.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Lecture and readings: Material from course lectures will not always be found in your text. Use of class discussions and class activities will be included in most class sessions. Please note that all questions on the examinations will be taken from the text, as well as the classroom lectures, videos, and discussions. Typically, you will be expected to read 1 to 2 chapters per week. It is advised that you do not wait until the night before to start the reading material. It is recommended that you stay current with chapter readings, and read the assigned chapter/s before each class.

If you would like to review an assignment, come by my office during office hours or set up an appointment. If you are having problems in class, please come and talk to me immediately. I am better able to help you if you come to me early. Please understand that you should not come to me at the end of the semester, unhappy with your grade, asking for a way to change it. Grades will not be changed.

Citizenship: All Students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Student 92s Guide Handbook, Policies and Procedures, Conduct).

Student Conduct: All students are expected to conduct themselves in a professional manner at all times. You are adults and will be treated as such. Discriminatory, rude, and inappropriate language will not be tolerated in this class and students will be asked to leave or drop the class. If a student continues to act in the same manner during future classes, the instructor reserves the right to drop the student from the course.

Late Work: Assignments are due on specific dates, as assigned. Assignments will be accepted after the due date with the exception of major projects. However, a 10-point deduction will be applied to assignments that are 1 day late, and an additional 5 points for each day thereafter.

Plagiarism: Plagiarism **WILL NOT** be tolerated and will result in an automatic **F** in the course. Various versions of your work and final papers will be run through Turnitin software – this is not meant to “catch” you in the act, but rather assist you in seeing possible areas that may be unintentionally plagiarized and allow for editing your work.

Academic integrity is the pursuit of scholarly work free from fraud and deception and is an educational objective of this institution.

Texas A&M University-Commerce has explicit rules and regulations governing academic dishonesty and academic misconduct. As the University states, “All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” These policies are stated in detail in the Student’s Guide Handbook. Each student is expected to read this document and abide by the contained policies. These university policies will be followed in this class. The minimum penalty for an act of academic dishonesty will be the assignment grade of 0 or F on the assignment. The maximum penalty is expulsion from the University.

Texas A&M University-Commerce further does not tolerate **plagiarism** and other forms of academic **dishonesty**. Conduct that violates generally accepted standards of academic honesty is defined as academic dishonesty. "Academic dishonesty" includes, but is not limited to, plagiarism (the appropriation or stealing of the ideas or words of another and passing them off as one's own), cheating on exams or other course assignments, collusion (the unauthorized collaboration with others in preparing course assignments), and abuse (destruction, defacing, or removal) of resource material.

If you are unsure what constitutes plagiarism and how to avoid it. Visit the following websites:

<http://www.plagiarism.org/>

<http://writingcenter.unc.edu>

<http://www.indiana.edu/~wts/pamphlets/plagiarism.shtml>

Attendance: Attend all classes. Arrive on time and remain until class is dismissed. Class meets from 4:30 PM until 10:00 PM every other Wednesday unless noted otherwise by the instructor. If you must miss a class due to a professional responsibility and know ahead of time, discuss this with the instructor on the first night of class to create a make-up plan. If you must miss a class due to an unforeseen excused absence or professional responsibility, email or leave a telephone message for the instructor before class, then give the instructor a written plan for make-up work at the beginning of the next class session. You must discuss this plan with the instructor and gain his approval to receive make-up credit. Each unexcused absence will lower your final average score by 10 points. For a definition of an excused absence, please see the Texas A&M University-Commerce Catalog or Student's Guidebook.

Cell Phones/Computers: Please respect the instructor and your peers by turning off your cell phones and other technical devices during chapter presentations, unless you have notified me at the beginning of class that you have a critical family situation about which you must be notified. This should constitute only emergencies.

Scholarly Expectations: All works submitted for credit must be original works created by the scholar uniquely for the class. It is considered inappropriate and unethical, particularly at the graduate level, to make duplicate submissions of a single work for credit in multiple classes, unless specifically requested by the instructor. Work submitted at the graduate level is expected to demonstrate higher-order thinking skills and be of significantly higher quality than work produced at the undergraduate level.

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: [Netiquette](#)

<http://www.albion.com/netiquette/corerules.html>

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](#)

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

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

ADA Statement

Students with Disabilities

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

Gee Library- Room 162

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

Fax (903) 468-8148

Email: 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.

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.

COURSE OUTLINE / CALENDAR

The only official list of assignments and due dates will be found on the *Topical Schedule* that will be completed during the first class meeting. The instructor may update or revise the *Topical Schedule* as needed.

Class Meetings:

Feb 12	Wednesday	4:30 PM – 10:00 PM
Feb 26	Wednesday	4:30 PM – 10:00 PM
Mar 18	Wednesday	4:30 PM – 10:00 PM
Apr 01	Wednesday	4:30 PM – 10:00 PM
Apr 15	Wednesday	4:30 PM – 10:00 PM
Apr 29	Wednesday	4:30 PM – 10:00 PM

References

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- Denzin, N., & Lincoln, Y. (2007). *Collecting and interpreting qualitative materials (3rd ed.)*. Los Angeles: Sage.
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- Patten, M. L. (2009). *Understanding research methods: An overview of the essentials* (7th ed.). Glendale, CA: Pyrczak.
- Plano Clark, V. L., & Creswell, J. W. (2007). *Designing and conducting mixed methods research*. Thousand Oaks, CA: Sage.
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- Plano Clark, V. L., & Creswell, J. W. (2010). *Understanding research: A consumer's guide*. Boston: Merrill.
- Pyrczak, F. (2006). *Making sense of statistics: A conceptual overview* (4th ed.). Glendale, CA: Pyrczak.
- Pyrczak, F. (2005). *Evaluating research in academic journals* (3rd ed.). Glendale, CA: Pyrczak.