

Texas A&M University - Central Texas / Fall 2021
PSYC 5301-110 Research Methods

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Webex/in-person office hours: By appointment; contact me through my faculty email above

Mode of instruction and course access:

This course is a 100% online course and uses the A&M Central Texas Canvas Learning Management System (LMS), available at <https://tamuct.instructure.com>. Students will use their university email username and password to logon to this system.

Student-instructor interaction:

I will check the course's Canvas page on most days and my email daily during the week and periodically on weekends and will usually reply to email within two business days. We can meet in person or via Webex's appointment system. Contact me by sending an email from your A&M Central Texas student email to my faculty email to set up an appointment; in our Canvas class page, there is an Appointment Booking tab you can access by clicking Webex Meetings on the lefthand menu to log into the meeting at your scheduled appointment time. I would recommend setting the Canvas notifications to inform you about anything made available or changed for the course or else checking the course in Canvas frequently (at least 3 times during the week). On Sundays nights before 6:00 pm I'll post or update any relevant information for the upcoming week such as announcements, assignments, discussion forums, or other course information, so checking after that time is a good idea.

To contact me, use my tamuct.edu email address; **emails sent through Canvas's message system will be deleted.** To contact your classmates, use the email addresses given in the Introduction discussion forum (Discussion forum 1) or ask general questions to the class using the Classmate Questions discussion forum (Discussion forum 0).

WARRIOR SHIELD Emergency Warning System for A&M Central Texas:

To enhance personal safety on the A&M Central Texas campus, the A&M Central Texas Police Department uses Warrior Shield by 911Cellular. Warrior Shield is an emergency notification service that gives A&M Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in Warrior Shield through their myCT email account. You can also download the Warrior Shield app from Google Play or the Apple App Store to install on your mobile device. Connect to Warrior Shield [<https://portal.publicsafetycloud.net/Account/Login>] to change where you receive your alerts or to opt out. Your staying enrolled in Warrior Shield helps university officials quickly pass on safety-related information to you, regardless of your location.

Updated university response to COVID-19: For the most recent campus information regarding COVID-19 preparedness, see this link: <https://www.tamuct.edu/covid19/>.

COURSE INFORMATION

Course description:

Study scientific methods of research, types of research, and research design. Review, analyze, and interpret research findings in major field and develop a research project with the assistance of the instructor. Prerequisite(s): COUN/PSYC 5300 or equivalent graduate statistics course.

Course reading materials:

Required Reading:

Stangor, C. (2015). *Research methods for the behavioral sciences* (5th ed.). Cengage. (ISBN: 978-1-285-07702-4)

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). (ISBN: 978-1433832178)

Course learning outcomes:

LO 1. *Demonstrate comprehension and application of fundamental principles, generalizations, or theories regarding research methods*

LO 2. *Integrate course material to improve thinking, problem-solving, and decisions*

LO 3. *Analyze and critically evaluate ideas, arguments, and points of view*

LO 4. *Demonstrate skills in expressing oneself in oral presentations or in writing*

Course format/ attendance and late work policies:

This is an asynchronous online course, but it works best for you to keep up with the reading for each week. There are student learning resources for the course text in the Stangor Textbook Materials module. All course materials except the textbook will be available through Canvas, including links for you to upload your coursework, but most work or materials will be made available as needed rather than being available for the whole semester. Students are expected to be able to find all relevant work and materials on the course Canvas pages and to use Canvas to submit all work. Check out the Course Overview page in the General Course Information and Materials module for information about the coursework. Make sure to consult and to review the syllabus periodically and contact me if you have any questions about work or materials. There is no comprehensive final exam for this course. **Late work will not be accepted except in extreme cases, so plan carefully to get all work in on time.** If you miss a deadline, email me right away to let me know why the work is late, but **DO NOT** include any coursework in your email. I'll respond as soon as possible. **WORK SUBMITTED TO ME BY EMAIL WILL NOT BE ACCEPTED UNLESS I HAVE SPECIFICALLY AUTHORIZED THAT BEFOREHAND, so email me to get permission PRIOR to emailing me your work. Any work emailed without permission will be deleted.** You will want to keep up; that is especially

important in case something comes up that makes it difficult to get work done on a specific day. If you want to turn in any coursework early, that's fine, but be aware that it will probably not be graded until after the due date. **ONLY WORK THAT IS SUBMITTED NO LATER than 11:59 pm on December 10 will be counted toward your course grade.**

Academic integrity and classroom conduct policy:

A&M Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. All academic misconduct concerns will be reported to the university's Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. More information can be found at <https://www.tamuct.edu/student-affairs/student-conduct.html>. If you know of potential honor violations by other students, you may submit a report at the address below:

[\[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0\]](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0). When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action. Note that only the discussion forums, the peer reviews, the needs assessment/program evaluation work, and the second part of the research poster work are specifically designed to be done in collaboration with other students. **All other work should be completed individually without help on the content from others except the course instructor.** You are permitted to get help on APA format and editing (but not content) of your coursework from the University Writing Center. For postings on the discussion forums, please be respectful of the ideas and opinions of all class members; inappropriate language and interactions may lead to being blocked for the rest of the semester from the discussion forums and the loss of related points. Since you are graduate students, I hold you to a higher standard for independence and integrity than I do for undergraduates. To get the most out of this class and all your classes, it's best to treat them like a job; keep up with your coursework and take responsibility for your own work. In general, if you respect other class members and your instructor, you should be fine.

COURSE REQUIREMENTS

Coursework grading: *(with related learning outcomes)*

Chapter Quizzes LO1, LO2 (14 @ 2% ea)	28%	(20 pts/ ch.)
APA Quizzes LO1, LO2 (4 @ 4% ea)	16%	(20 pts ea)
Plagiarism Quiz (Ethics Assignment) LO2, LO3	5%	(30 pts)
Article Review/ Critique LO1, LO3, LO4	5%	(50 pts)
Needs Assessment/Program Evaluation LO1, LO3	6%	(24 pts)
Research Proposal LO3, LO4 (1%, 2%, 6%, 7.5%, 4%, 9.5%) (10 pts, 20 pts, 30 pts, 150 pts, 40 pts, 190 pts)	30%	
Group Research Poster (2 parts) LO1, LO4	10%	(3 pts, 7 pts)

A point loss will be applied for lack of class participation, which includes failure to complete discussion forums, continuing issues when working with group members, and missing

required meetings with the instructor or, if relevant, University Writing Center tutors.

Grading scale/Posting of grades: Grades in this course are earned, not given. Students earn grades by actively reading course material, by participating in group work, discussion forums, and in-class work, and by applying subject-matter content in discussion forums and on all assignments. Grades are determined based on the percentage of points earned on each assignment and the assignment's weight toward the overall course grade. Students should regularly monitor their assignment grades in the Gradebook, and should not hesitate to ask the professor about any grade or coursework concern. Students should also review all grade comments in the Gradebook when grades are posted to see what worked well and what more is needed for subsequent coursework. Note that, due to it typically being inaccurate, I disabled student access to view the total course grade info in Canvas; contact me by email to set up a Webex (or in-person) meeting if you have questions about your current course grade. Grades will be posted in Canvas when grading for an assignment is completed (usually within 5-7 days after the due date); some work will take longer to grade. Feel free to ask me about any missing grades, but I cannot email specific grade information due to FERPA (federal education privacy regulations).

<u>Final Course Grade</u>	<u>University Definition</u>	<u>Percentage</u>
A	Excellent	90.00+ total points
B	Good	80.00-89.99 points
C	Fair	70.00-79.99 points
D	Poor	62.00-69.99 points
F	Failing	Below 62.00 points

TECHNOLOGY REQUIREMENTS AND SUPPORT

Technology Requirements: For this course, you need reliable and frequent access to a computer and to the Internet; it is recommended that you use a wired (*not wireless*) connection **to take quizzes and to access and submit coursework. *Technology issues are not an excuse for missing a course requirement or late submission of work; make sure your computer is configured correctly and address issues well in advance of deadlines.*** If you use non-Microsoft Office programs or a non-PC computer for coursework, you'll need to **save your coursework in the comparable Microsoft and PC format** for submission through Canvas (e.g., Word or PowerPoint) so I can open it.

This course uses the A&M Central Texas Instructure Canvas learning management system. Logon to A&M Central Texas's Canvas system using the info below. Note that Canvas can no longer be accessed using the Internet Explorer browser; the university recommends using the latest version of Firefox or Chrome.

Username: Your MyCT username (everything before the "@" in your MyCT e-mail address)
Initial password: Your MyCT password

Check the relevant Canvas guide for information about browser versions supported and computer compatibility in Canvas if you are having issues. If that doesn't help, the information below lets you know whom to contact for help.

a) For technology issues, students should contact Help Desk Central. HDC is available 24 hours a day, 7 days a week. *When calling for support please let your support technician know you are an A&M Central Texas student.*

Email: helpdesk@tamu.edu

Phone: (254) 519-5466

Web Chat: <http://hdc.tamu.edu>

b) For anything inside of Canvas (uploading files, setting up notifications, using the calendar, etc.), students should contact Canvas Support, which is available from inside of Canvas by clicking on the "Help" link on the lefthand menu. You can select "Chat with Canvas Support," call the Canvas Support Hotline: 1-844-757-0953, or submit a support request through "Report a Problem". As noted above, however, do **NOT** use Canvas's *Ask Your Instructor a Question* link.

c) For issues related to specific course content and requirements, contact me by email.

COURSE CALENDAR

WEEK (M-Su)	MODULE	READING Stangor or APA manual chapter or other source	ACTIVITY/VIDEO Coursework learning P: Proposal work Topic video Writing video	WORK DUE (Due dates shown on assignments in Canvas)
WEEK 1 AUG 23	1: Introduction to Research	Ch. 1; APA 1, 2, 12	Learn: Basics of research P: Develop proposal topic ideas Video: Introduction to behavioral science	Quiz: Ch. 1; DF 1
WEEK 2 AUG 30	1: Introduction to Research	Ch. 3; Roig (2015) article	Learn: Research ethics Video: Ethics in research Video: What is plagiarism? Start CITI Training	Quiz: Ch. 3; APA Quiz 1; P1: RESEARCH SUMMARY
WEEK 3 SEPT 6	1: Introduction to Research	Ch. 2; APA 8, 9, 10	Learn: Research hypotheses P: Research hypothesis development Video: Generating a research hypothesis Video: Writing a research proposal	Quiz: Ch. 2; Plagiarism Quiz
WEEK 4 SEPT 13	1: Introduction to Research & 2: Gathering data	Ch. 4; IRB handbook	Learn: Measures Start work on IRB protocol form Video: Measuring behavior	Quiz: Ch. 4; APA Quiz 2; P2: RESEARCH HYPOTHESIS
WEEK 5 SEPT 20	2: Gathering data	Ch. 5; APA 4, 5, 6, 11	Learn: Reliability and validity in research Video: Reliability & validity Writing Video: Writing the Introduction	Quiz: Ch. 5; Article Critique
WEEK 6 SEPT 27	2: Gathering data	Ch. 6	Learn: Surveys; Finding a sample P: Work on Introduction Video: Surveys & sampling;	Quiz: Ch. 6; APA Quiz 3

WEEK 7 OCT 4	2: Gathering data & 3: Designing a study	Ch. 8; APA 3, 7; Qualtrics survey development	Learn: Statistics and inferential analyses; Building a survey Video: Hypothesis testing Writing Video: Writing a Methods section	Quiz: Ch. 8; CITI Certificate; IRB protocol
WEEK 8 OCT 11	3: Designing a study	Ch. 9; SPSS guide	Learn: Correlational research; SPSS usage P: Work on Methods section Video: Correlational research	Quiz: Ch. 9; APA Quiz 4
WEEK 9 OCT 18	3: Designing a study	Ch. 10	Learn: One-way experiments Video: One-way experimental designs; Writing Video: Writing the data analysis plan & Discussion	Quiz: Ch. 10; P3: OUTLINE
WEEK 10 OCT 25	3: Designing a study & 4: Interpreting research	Ch. 11	Learn: Factorial experiments P: Work on Data analysis & discussion sections Video: Factorial designs	Quiz: Ch. 11; Poster choice
WEEK 11 NOV 1	4: Interpreting research	Ch. 12	Learn: Experimental control and planning Video: Internal validity	Quiz: Ch. 12; Poster 1 work (SPSS)
WEEK 12 NOV 8	4: Interpreting research	Ch. 13	Learn: Generalization and external validity; Study evaluation; Start creating the poster Video: External validity	Quiz: Ch. 13; P4: FIRST DRAFT (DF 2, part 1)
WEEK 13 NOV 15	5: Other approaches	Ch. 14; Peer review guidelines	Learn: Quasi-experimental research Video: Quasi-experimental designs	Quiz: Ch. 14; P5: PEER FEEDBACK (DF 2, part 2)
WEEK 14 NOV 22	5: Other approaches	Ch. 7; Needs assessment guidelines	Learn: Naturalistic/Field research; Needs Assessment/Program Evaluation methodology Video: Qualitative designs	Quiz: Ch. 7
WEEK 15 NOV 29	5: Other approaches	Peer review guidelines	Learn: Peer review of research posters	P6: FINAL DRAFT; Poster 2 work (Poster); Needs Assessment/Program Evaluation
WEEK 16 DEC 6	Poster Presentations and Peer Reviews			Poster Peer Review Qs/ Answers

Note that dates and other policies listed may be changed as needed and, if so, changes will be announced in class and/or through the Announcements section of Canvas. **Students are responsible for being aware of ALL changes made.**

APA format: Although some students may not be familiar with APA format, it is critical to know for reading and writing in psychology and counseling, so I want to help you practice using it. This course requires ALL WORK to meet standards of the 7th edition, published in 2020; all relevant grading rubrics include an APA format component.

COURSE AND UNIVERSITY PROCEDURES AND POLICIES

Drop Policy: If you discover that you need to drop this class, you must log into Warrior Web and complete the Drop Request Dynamic Form at <https://dynamicforms.ngwebsolutions.com/casAuthentication.ashx?InstID=eaed95b9-f2be-45f3-a37d-46928168bc10&targetUrl=https%3A%2F%2Fdynamicforms.ngwebsolutions.com%2FSubmit%2FForm%2FStart%2F53b8369e-0502-4f36-be43-f02a4202f612>.

Faculty cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the Academic Calendar for which the form must be completed. Once you submit the completed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

Academic Accommodations: At A&M Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Office of Access and Inclusion is responsible for ensuring that students with a disability receive equal access to the university's programs, services and activities. If you believe you have a disability requiring reasonable accommodations please contact the Office of Access and Inclusion in Warrior Hall, Room 212, or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such. For more information log into our Access & Inclusion Canvas Community page at <https://tamuct.instructure.com/courses/717> or, when logged into Canvas, click on Courses on the blue lefthand menu, then choose Access and Inclusion for Students.

Important information for Pregnant and/or Parenting Students: A&M Central Texas supports students who are pregnant and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit the relevant Student Affairs webpage at <https://www.tamuct.edu/student-affairs/pregnant-and-parenting-students.html>. If you would like to read more about requirements and guidelines online, please visit the relevant government website at <http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf>. Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator in regard to pregnancy and parenting; see more information at <https://www.tamuct.edu/compliance/titleix.html>.

Tutoring: Tutoring is available to all A&M Central Texas students, on a remote online basis.

Visit the Academic Support Community page in Canvas to view schedules and contact information. Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Tutors will return at the Tutoring Center in Warrior Hall, Suite 111 in the Fall 2020. Student success coaching is available online upon request.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, want success coaching, or have any other question, contact Academic Support Programs at (254) 501-5836, visit the Office of Student Success in Warrior Hall, Room 212F, or email studentsuccess@tamuct.edu.

Chat live with a tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas except writing support. Access Tutor.com through the lefthand menu in our Canvas class page.

University Writing Center: Located in Warrior Hall 416, the University Writing Center (UWC) at A&M Central Texas is a free service open to all A&M Central Texas students. For Fall 2021, the hours of operation are from 10:00 a.m.-5:00 p.m. Monday thru Thursday in Warrior Hall 416 (with online tutoring available every hour as well) with satellite hours available online only Monday thru Thursday from 6:00-9:00 p.m. and Saturday from 12:00-3:00 p.m.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or want a quiet place to work, the UWC is here to help!

Students may arrange a one-to-one session with a trained and experienced writing tutor by making an appointment via WOnline at <https://tamuct.mywconline.com/>. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu if you have any questions about the UWC, need any assistance with scheduling, or would like to schedule a recurring appointment with your favorite tutor.

Below are two links to presentations about UWC services:

Shorter presentation: <https://www.youtube.com/watch?v=HrLwJku3d2s>

Full presentation: <https://tamuct.instructuremedia.com/embed/f88aec49-151d-4714-8edb-ac676b371092>

University Library: The University Library provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 400,000 eBooks and 82,000 journals, in addition to the 96,000 items in our print

collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M Central Texas are available through our website to help students navigate these resources. On campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place virtually through WebEx, Microsoft Teams or in-person at the library. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, visit our Library website at <http://tamuct.libguides.com/index> .

A Note about Sexual Violence at A&M Central Texas: Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the Title IX webpage at <https://www.tamuct.edu/compliance/titleix.html> .

Behavioral Intervention: Texas A&M University Central Texas cares about the safety, health, and well-being of its students, faculty, staff, and community. If you are aware of individuals for whom you have a concern, who are exhibiting concerning behaviors, or individuals causing a significant disruption to our community, please make a referral to the Behavioral Intervention Team. Referring your concern shows you care. You can complete the referral online https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2 .

Anonymous referrals are accepted. For more information, please see the Behavioral Intervention Team website at <https://www.tamuct.edu/bit> . If a person's behavior poses an imminent threat to you or another, contact 911 or A&M Central Texas University Police at 254-501-5800.

Copyright notice: Students should assume that all course material is copyrighted by the respective author(s), including textbook and quiz information. Reproduction of course material is

prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and A&M Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

Important university dates for graduate students (Academic Year 2022):

http://catalog.tamuct.edu/graduate_and_professional_catalog/general-information/university-calendars-final-examination-schedules

Standards for Clinical Mental Health Counseling and School Counseling

In accordance with CACREP best practices standards for all counselors-in-training development, the following areas will be promoted in this course:

Table 1 CACREP Standards

CACREP Standard Common Core for All Students	Activity	Assessments	SLOs
1. Importance of research in advancing the counseling profession, including how to critique research to inform counseling practice (IIF8a);	Assigned Readings Video Lectures Research for Proposal Peer Reviews	Article Critique Research Proposal Peer Reviews Research Poster	1, 2, 4, 6
2. Identification of evidence-based counseling practices (IIF8b)	Assigned Readings Video Lectures Research for Proposal	Article Critique Research Proposal	1, 2, 4
3. Needs assessments (IIF8c)	Assigned Readings Video Lectures Needs Assessment/ Program Evaluation	Needs Assessment/ Program Evaluation	5
4. Development of outcome measures for counseling programs (IIF8d)	Assigned Readings Video Lectures Needs Assessment/ Program Evaluation	Needs Assessment/ Program Evaluation	5
5. Evaluation of counseling interventions and programs (IIF8e)	Research for Proposal Needs Assessment/ Program Evaluation	Needs Assessment/ Program Evaluation	1, 5, 6
6. Qualitative, quantitative, and mixed research methods (IIF8f);	Assigned Readings Video Lectures SPSS/Qualitatives	Chapter Quizzes Research Proposal Research Poster	4, 6

CACREP Standard Common Core for All Students	Activity	Assessments	SLOs
7. Designs used in research and program evaluation (IIF8g);	Assigned Readings Video Lectures Qualtrics Survey	Chapter Quizzes Research Proposal Research Poster	4, 6
8. Statistical methods used in conducting research and program evaluation (IIF8h);	Assigned Readings Video Lectures SPSS/Qualitatives	Chapter Quizzes Research Proposal Research Poster	4, 6
9. Basic concepts of analysis and use of data in counseling (IIF8i);	Research for Proposal SPSS/Qualitatives	Research proposal SPSS/Qualitatives	6
10. Ethical and culturally relevant strategies for conducting, interpreting, and reporting the results of research and/or program evaluation (IIF8j)	CITI Training Ethics Work Plagiarism Work	CITI Certificate Ethics Work Plagiarism Work IRB Protocol Form	3, 4
11. Multicultural competencies (IIF2c)	Research for Proposal	Research proposal	3, 6
12. Impact of heritage, attitudes, beliefs, understandings, and acculturative experiences on an individual's views of others (IIF2d).	Research for Proposal	Research proposal	3, 6
13. Basic concepts of standardized and non-standardized testing, norm-referenced and criterion-referenced assessments, and group and individual assessments. (IIF7f)	Assigned Readings Video Lectures	Chapter Quizzes Needs Assessment/ Program Evaluation	1, 5
14. Reliability and validity in the use of assessment (IIF7h).	Assigned Readings SPSS/Qualitatives	Chapter Quizzes Needs Assessment/ Program Evaluation Research Poster	1, 3, 5, 6

Table 2 CACREP Learning Outcomes

Student Learning Outcomes: Students will be able to...	Foundational Knowledge Required (CACREP Standards IIF8)	Assessment
1. Read, interpret, and evaluate empirical writing	a, b	Article Critique Research Proposal Peer Reviews
2. Conduct a focused review of empirical literature	a, b	Article Critique Research Proposal
3. Design an ethically appropriate research project appropriate for the scientific evaluation of human behavior	j	Research Proposal CITI Training Ethics Work IRB Protocol Form
4. Write a research proposal using professional language consistent with the guidelines presented in the <i>Publication Manual of the American Psychological Association</i>	a, b, f, g, h, j	Research Proposal Plagiarism Work Ethics Work APA Quizzes
5. Design tools for conducting needs assessments and program evaluations	c, d, e	Needs Assessment/ Program Evaluation
6. Identify how choices in research design impact the conclusions that can be drawn from the findings in a study	a, e, f, g, h	Research Proposal Research Poster

Clinical Mental Health Counseling Program Student Learning Outcomes Rubrics

Table 6 CMHC Article Summary Rubric

Article Summary (SLO1 Competence)	None	Some	Basic	Above Average	Superior
Importance of research in advancing the counseling profession, including how to critique research to inform counseling practice (IIF8a);					
Identification of evidence-based counseling practices (IIF8b)					

Table 7 CMHC Research Proposal Rubric

Research Proposal (SLOs 2, 3, 4, & 6 Competence)	None	Some	Basic	Above Average	Superior
Importance of research in advancing the counseling profession, including how to critique research to inform counseling practice (IIF8a);					
Identification of evidence-based counseling practices (IIF8b)					
Qualitative, quantitative, and mixed research methods(IIF8f);					
Designs used in research and program evaluation (IIF8g);					
Statistical methods used in conducting research and program evaluation (IIF8h);					
Basic concepts of analysis and use of data in counseling (IIF8i);					
Multicultural competencies (IIF2c)					

Research Proposal (SLOs 2, 3, 4, & 6 Competence)	None	Some	Basic	Above Average	Superior
Impact of heritage, attitudes, beliefs, understandings, and acculturative experiences on an individual's views of others (IIF2d).					

Table 8 CMHC Needs Assessment Rubric

Needs Assessment (SLO5 Competence)	None	Some	Basic	Above Average	Superior
Needs assessments (IIF8c)					
Development of outcome measures for counseling programs (IIF8d)					
Evaluation of counseling interventions and programs (IIF8e)					
Basic concepts of standardized and non-standardized testing, norm-referenced and criterion-referenced assessments, and group and individual assessments. (IIF7f)					
Reliability and validity in the use of assessment (IIF7h).					

CACREP Key Performance Indicator (for CMHC students only)

Students will demonstrate an understanding of the importance of research in advancing the counseling profession, including how to critique research to inform counseling practice, how to conduct a focused review of empirical literature, and how to design an ethically appropriate research project appropriate for the scientific evaluation of human behavior (CACREP Standard IIF8).

1 – No Competence - Candidate has no ability to demonstrate an understanding of the of importance of research in advancing the counseling profession, including how to critique research to inform counseling practice, how to conduct a focused review of empirical literature, and how to design an ethically appropriate research project appropriate for the scientific evaluation of human behavior.

2 – Some Competence - Candidate has limited ability to demonstrate an understanding of the of importance of research in advancing the counseling profession, including how to critique research to inform counseling practice, how to conduct a focused review of empirical literature, and how to design an ethically appropriate research project appropriate for the scientific evaluation of human behavior.

3 – Basic Competence - Candidate has basic ability to demonstrate an understanding of the of importance of research in advancing the counseling profession, including how to critique research to inform counseling practice, how to conduct a focused review of empirical literature, and how to design an ethically appropriate research project appropriate for the scientific evaluation of human behavior.

4 – Above Average Competence - Candidate has above average ability to demonstrate an understanding of the of importance of research in advancing the counseling profession, including how to critique research to inform counseling practice, how to conduct a focused review of empirical literature, and how to design an ethically appropriate research project appropriate for the scientific evaluation of human behavior.

5 – Superior Level Competence - Candidate has superior ability to demonstrate an understanding of the of importance of research in advancing the counseling profession, including how to critique research to inform counseling practice, how to conduct a focused review of empirical literature, and how to design an ethically appropriate research project appropriate for the scientific evaluation of human behavior.

NOTE: Finally, I reserve the right to amend this syllabus as needed at any time, with student input whenever possible, especially in relation to COVID-19 issues. If changes are necessary, I will provide as much advanced notice as possible and will post an announcement in Canvas regarding the changes. Finally, if you have any questions or concerns about the class or problems with the coursework or course materials, please contact me by email or in person for help. The only exception is if you have technology issues. For those, make sure to let me know what's going on, but ask for help from Help Desk Central or the Canvas Help system. Their contact info is given above.