Instructor: Dr. Crystal M. Kreitler  

Email: crystal.kreitler@angelo.edu  
Phone: 325-486-6122  
Office: Academic Building, 204f  
Office Hours: Virtual or in person on M/W: 9:30a-12:00p; Tues/Thurs: 11:00a-1:00p

Course Description

This is an advanced course involving research design and the use of statistical methods to interpret and summarize data.

Student Learning Outcomes

Upon completion of this course, students will be able to: 1) Demonstrate knowledge of the strengths and limitations of statistical reasoning. 2) Understand how statistical results may be misused, misrepresented, and misinterpreted. 3) Critically analyze and recognize confounds in research designs and the various means to control for confounds. 4) Interpret the results of statistical analyses. 5) Construct their own statistical design and conceptualize experimental research.

Course Delivery

This is a hybrid course with learning resources and supplemental materials posted in Blackboard.

Required Text and Materials

Required: Current APA manual  
Students will also be required to utilize the ASU library and internet to include various sources for the weekly discussions.
Course Requirements

Exams: There will be 2 exams. The exams will generally be composed of multiple choice, true/false, and short answer items. Exams will include information from handouts, discussions, lectures, homework assignments, and class activities.

Quizzes: Each quiz will be composed of true/false, short answer or fill-in-the-blank questions. Quizzes cannot be made-up.

Research Report: Students will be required to write and submit a 6-page APA style research report that will highlight a statistical design in future career field.

Assignments: Activities (e.g., short presentations, Blackboard discussions) to highlight certain topics will be assigned (may be in or outside of class). You will be asked to search for peer-reviewed journal articles for journal club discussion.

Attendance/Make-Up Policy: Attendance is required for this course. There will be No makeup exams except in cases of serious illness or some other extreme event such as a death in the family. In these instances, you must obtain a note from your physician or Dean, and present it to the instructor. The instructor will determine if a student will be allowed to make-up the assignment. You will have 5 days after the missed exam to make it up and failure to do so will result in a zero.

Conduct: Professional behavior during class is expected, which includes (a) participating in class discussions and group activities, as well as listening attentively when fellow students are contributing to class discussion, (b) reading the assigned material prior to each class and coming to class with questions to clarify any ideas in the readings that are unclear and (c) arriving to class on time and not leaving early. Points will be deducted for tardiness to class. No electronic devices (ipods, recorders, etc.) should be used during class without instructor permission. Cell phone usage during class is prohibited.

Grades:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>2 Exams</td>
<td>40%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>30%</td>
</tr>
<tr>
<td>Assignments/participation</td>
<td>30%</td>
</tr>
</tbody>
</table>

Grading Scale

A = (90%-100%)
B = (80%-89%)
C = (70%-79%)
D = (60%-69%)
E = (below 60%)

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instructor will determine if a student will be allowed to make-up the assignment. You will have **5 days** after the missed exam to make it up and failure to do so will result in a zero.

**Communication**

Students are encouraged to email the instructor if they have any questions or concerns. When emailing the instructor, please include your class name and time in the subject line. Please be respectful in your emails. This includes addressing the professor properly and signing your full name. If you would like to meet with instructor, please approach it this way: send an email that gives *three* options, in terms of days *and* time slots that work for you.

**General Policies Related to This Course**

All students are required to follow the policies and procedures presented in these documents:

- Angelo State University Student Handbook
- Angelo State University Catalog

**Academic Integrity**

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Health and Human Services adheres to the university’s Statement of Academic Integrity.

**Accommodations for Students with Disabilities**

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
Incomplete Grade Policy
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.

Plagiarism
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the ASU Writing Center.

Student Absence for Observance of Religious Holy Days
A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day for more information.

Copyright Policy
Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

Syllabus Changes
The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student’s responsibility to look for such communications about the course on a daily basis.

Title IX at Angelo State University
Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination
and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

Online: www.angelo.edu/incident-form
Face to face: Mayer Administration Building, Room 210
Phone: 325-942-2022
Email: michelle.boone@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State’s policy please visit: www.angelo.edu/title-ix.

Required Facial Coverings by Students in Class at Angelo State University

As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Course Schedule (subject to change by Dr. Kreitler)
<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
<th>Date</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 17</td>
<td>Intro</td>
<td>Oct 5</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>Aug 19</td>
<td>Chapter 1</td>
<td>Oct 7</td>
<td>Quiz 3</td>
</tr>
<tr>
<td>Aug 24</td>
<td>Chapter 2</td>
<td>Oct 12</td>
<td>Ch. 8</td>
</tr>
<tr>
<td>Aug 26</td>
<td>Chapter 3 assignment due by 11pm</td>
<td>Oct 14</td>
<td>Midterm</td>
</tr>
<tr>
<td>Aug 31</td>
<td>Article/SPSS</td>
<td>Oct 19</td>
<td>Ch 9/Review</td>
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<tr>
<td>Sep 2</td>
<td>Assignment due/Quiz 1</td>
<td>Oct 21</td>
<td>Discussion due</td>
</tr>
<tr>
<td>Sep 7</td>
<td>Chapter 4/SPSS Student presents article</td>
<td>Oct 26</td>
<td>Chapter 10</td>
</tr>
<tr>
<td>Sep 9</td>
<td>Discussion due</td>
<td>Oct 28</td>
<td>Assignment due</td>
</tr>
<tr>
<td>Sep 14</td>
<td>Assignment due in class -Student presents article</td>
<td>Nov 2</td>
<td>Chapter 10/Report Draft Due</td>
</tr>
<tr>
<td>Sep 16</td>
<td>Quiz 2</td>
<td>Nov 4</td>
<td>Quiz 4</td>
</tr>
<tr>
<td>Sep 21</td>
<td>Chapter 5</td>
<td>Nov 9</td>
<td>Chapter 11</td>
</tr>
<tr>
<td>Sep 23</td>
<td>Chapter 6</td>
<td>Nov 11</td>
<td>Final Report Due</td>
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<tr>
<td>Sep 28</td>
<td>Chapter 7 -Student presents article</td>
<td>Nov 16</td>
<td>Presentations</td>
</tr>
<tr>
<td>Sep 30</td>
<td>Assignment due in blackboard</td>
<td>Nov 18</td>
<td>Presentations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nov 23</td>
<td>Final exam due by 1pm</td>
</tr>
</tbody>
</table>

**End of Syllabus**

i [https://www.angelo.edu/student-handbook/](https://www.angelo.edu/student-handbook/)
ii [https://www.angelo.edu/catalogs/](https://www.angelo.edu/catalogs/)
iii [https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php](https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php)
iv [https://www.angelo.edu/services/disability-services/](https://www.angelo.edu/services/disability-services/)
v [https://www.angelo.edu/content/files/14197-op-1011-grading-procedures](https://www.angelo.edu/content/files/14197-op-1011-grading-procedures)
vii [https://www.angelo.edu/dept/writing_center/academic_honesty.php](https://www.angelo.edu/dept/writing_center/academic_honesty.php)
viii [https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of](https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of)