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 illness or death in the family. 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. 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%)
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. 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
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112
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 Miller, 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.
## Course Schedule (subject to change by Dr. Kreitler)

<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
<th>Date</th>
<th>Topics</th>
</tr>
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<tbody>
<tr>
<td>Aug 23</td>
<td>Intro</td>
<td>Oct 11</td>
<td>Chapter 6 in class</td>
</tr>
<tr>
<td>Aug 26</td>
<td>Chapter 1</td>
<td>Oct 14</td>
<td>Quiz 3 due by 11pm in Bb</td>
</tr>
<tr>
<td>Aug 30</td>
<td>No in-person class</td>
<td>Oct 18</td>
<td>Chapter 6 in class</td>
</tr>
<tr>
<td></td>
<td>Read Chapter 2</td>
<td>Oct 21</td>
<td><strong>Midterm due by 11pm in Bb</strong></td>
</tr>
<tr>
<td>Sept 2</td>
<td>Chapter 2 assignment due by 11pm in Bb</td>
<td>Oct 25</td>
<td>Chapter 7 in class</td>
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<tr>
<td></td>
<td></td>
<td>Oct 28</td>
<td>Assignment due by 11pm in Bb</td>
</tr>
<tr>
<td>Sept 6</td>
<td>No class - holiday</td>
<td>Nov 1</td>
<td>Chapter 8/discuss report</td>
</tr>
<tr>
<td>Sep 9</td>
<td>Assignment due/Quiz 1 due by 11pm in Bb</td>
<td>Nov 4</td>
<td>Assignment due by 11pm in Bb</td>
</tr>
<tr>
<td>Sep 13</td>
<td>Chapter 3</td>
<td>Nov 8</td>
<td>Chapter 9/discuss report</td>
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<tr>
<td></td>
<td>And “how to present an article”</td>
<td>Nov 11</td>
<td>Quiz 4 due by 11pm in Bb</td>
</tr>
<tr>
<td>Sep 16</td>
<td>Assignment due by 11pm in Bb</td>
<td>Nov 15</td>
<td>Chapter 10 in class</td>
</tr>
<tr>
<td>Sep 20</td>
<td>Student presents article in class</td>
<td>Nov 18</td>
<td>Report draft due by 11pm in Bb</td>
</tr>
<tr>
<td>Sep 23</td>
<td>Quiz 2 due by 11pm in Bb</td>
<td>Nov 22</td>
<td>Chapter 10/presentation prep</td>
</tr>
<tr>
<td>Sep 27</td>
<td>Read Chapter 4 (in class discussion on chapter)</td>
<td>Nov 23</td>
<td><strong>Final report due by 11pm</strong></td>
</tr>
<tr>
<td>Sep 30</td>
<td>Chapter 4 assignment due by 11pm in Bb</td>
<td>Nov 29</td>
<td>Presentation due in class</td>
</tr>
<tr>
<td>Oct 4</td>
<td>Chapter 5</td>
<td>Dec 2</td>
<td>Assignment due by 11pm in class</td>
</tr>
<tr>
<td></td>
<td>-Student presents article in class</td>
<td>Dec 6</td>
<td>Assignment</td>
</tr>
</tbody>
</table>
End of Syllabus

i https://www.angelo.edu/student-handbook/
ii https://www.angelo.edu/catalogs/
iii https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
iv https://www.angelo.edu/services/disability-services/
v https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
vi https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
vii 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