Course Description
This course explores applied psychological science as it relates to human and non-human laboratory research. You will be challenged to think critically about laboratory research and apply those skills through hands-on training and data collection.

Student Learning Outcomes
1) Understand research ethics in a lab setting 2) Be able to think critically about lab safety relevant to human and non-human subjects 3) Be able to identify linkages between neuroscience and federal regulations in a laboratory setting 4) Be able to design a conceptualize a psychology experiment and complete its data collection.

Course Delivery
This is a face-to-face course with learning resources and supplemental materials posted in Blackboard.

Required Texts and Materials
Current APA manual

Course Requirements

Research topic selection: Students will be placed into groups by instructor based on similar research interests and/or research experience to construct a short experiment and analyze
data. Students will work together on the same research project throughout the entire semester in a collective effort; however, each student must write his/her own abstract.

**Laboratory Training:** In addition to lecture meeting, students will be required to be in neuroscience laboratory 4 hours a week. During those hours, students are required to assist current research projects or work on their research projects. Once data collection begins, students may be required to participate in lab outside of business hours due to rodent schedule. Absences will result in points deducted from final grade.

**Ethical Training:** Students will be required to complete online ethical training ([http://phrp.nihtraining.com/users/login.php](http://phrp.nihtraining.com/users/login.php)) and provide the certificate of completion before data collection.

**IRB/IACUC approval:** Students will be required to request and gain IACUC approval before data collection.

**Research Report:** Students will be required to write and submit a 1-page APA style abstract (similar to SWPA proposal).

**Research Poster:** Students will be required to submit an APA research poster template.

**Protocols:** Students are required to draft two protocols for laboratory equipment, rodent model or standard of procedure.

**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 research 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 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. **Cell phone usage during class is prohibited and points will be deducted if guideline is disregarded.**

**Grades**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Attendance and participation</td>
<td>20%</td>
</tr>
<tr>
<td>IACUC proposal</td>
<td>20%</td>
</tr>
<tr>
<td>Poster</td>
<td>20%</td>
</tr>
<tr>
<td>Two protocols</td>
<td>20%</td>
</tr>
<tr>
<td>Abstract</td>
<td>20%</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. 7

**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 Day8 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](http://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>Week/Date</th>
<th>Topic/Assignments/Assessments DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/14</td>
<td>Introduction and discussion of syllabus</td>
</tr>
<tr>
<td>1/21</td>
<td>Laboratory ethics and federal regulations</td>
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<tr>
<td>1/28</td>
<td>IACUC ethics and ASU policy</td>
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<tr>
<td>2/4</td>
<td>Biosafety Training</td>
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<tr>
<td>2/11</td>
<td>Mouse model and training/discussion of group or individual research projects</td>
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<tr>
<td>2/18</td>
<td>Mouse model</td>
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<tr>
<td>2/25</td>
<td>Present project ideas</td>
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<tr>
<td>3/3</td>
<td>Data collection begins</td>
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<tr>
<td>3/17</td>
<td>Work on protocol proposals</td>
</tr>
<tr>
<td>Week/Date</td>
<td>Topic/Assignments/Assessments DUE</td>
</tr>
<tr>
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</tbody>
</table>
| Week of 3/23 | Rat model readings/continue work on protocols  
Online assignment due Thursday at 11pm |
| Week of 4/30 | Rodent model readings  
Online assignment due Thursday at 11pm |
| Week of 4/6 | Comparison readings (discussions via discussion board must begin by 4/8 and due by 4/10 at 11pm) |
| Week of 4/13 | Group work on proposed project |
| Week of 4/20 | Presentation (personal recording of it) with slides due |
| Week of 4/27 | Importance of protocol readings  
Protocols due |
| 5/5 | Abstract and poster due |

**End of Syllabus**

1. [https://www.angelo.edu/student-handbook/](https://www.angelo.edu/student-handbook/)
2. [https://www.angelo.edu/catalogs/](https://www.angelo.edu/catalogs/)
4. [https://www.angelo.edu/services/disability-services/](https://www.angelo.edu/services/disability-services/)
5. [https://www.angelo.edu/content/files/14197-op-1011-grading-procedures](https://www.angelo.edu/content/files/14197-op-1011-grading-procedures)
7. [https://www.angelo.edu/dept/writing_center/academic_honesty.php](https://www.angelo.edu/dept/writing_center/academic_honesty.php)
8. [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)