PSY 4313 – D10
Behavioral Neuroscience (Online)
Spring 2020

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Email: stephen.lippi@angelo.edu
Phone: (325) 486-6923
Office: Academic 104C
Office Hours: TR 11 am – 4 pm; online via email

Course Information

Course Description
This course builds upon knowledge students gained through introductory Psychology courses regarding the brain and behavior. In this course, students will begin by learning the cellular bases of the nervous system and the ways that scientists study the nervous system. Then, brain development, sensory system functions and structures will be reviewed, followed by in-depth explorations of particular behaviors, including: hunger, sleep, learning and memory, emotions, and abnormal behaviors.

Course Credits
3 credits

Prerequisite and Co-requisite Courses
Prerequisite: PSY 2301

Prerequisite Skills
Accessing internet web sites (including MindTap websites through Blackboard), use of ASU Library resources, and proficiency with Microsoft Word and PowerPoint. Tutorials for ASU Library and for Blackboard are available through RamPort. The ASU Undergraduate/Graduate student handbook should be reviewed before taking this class.
Student Learning Outcomes

<table>
<thead>
<tr>
<th>Student Learning Outcome</th>
<th>Assignment(s) or activity(ies) validating outcome achievement:</th>
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</thead>
<tbody>
<tr>
<td>By completing all course requirements, students will be able to:</td>
<td>Exams (completed throughout the semester)</td>
</tr>
<tr>
<td>Gain a basic understanding of the subject (e.g., factual knowledge, methods, principles,</td>
<td>MindTap Mastery Trainings &amp; Chapter Tests (due throughout the semester)</td>
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<td>generalizations, theories)</td>
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<tr>
<td>Learn to apply course material (to improve thinking, problem solving, and decisions)</td>
<td>MindTap Laboratory assignments/quizzes due throughout the semester</td>
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Course Delivery
This is an online course offering. The course will be delivered via the Blackboard Learning Management System. The course site can be accessed at ASU's Blackboard Learning Management System

Required Texts and Materials

Or
1 term (Cengage unlimited) ISBN: 9780357700006

***For this course, you need to obtain access to MindTap to complete online assignments.

Technology Requirements
To successfully complete this course, students need to purchase access to MindTap (Cengage) – see above. This online companion site includes videos, review material, quizzes, and lab assignments that you must complete as part of your course grade.

Browser Compatibility Check
It is the student’s responsibility to ensure that the browser used to access course material on his/her computer is compatible with ASU’s Blackboard Learning System. The faculty reserve the right to deny
additional access to course assignments lost due to compatibility issues. Students are responsible for reviewing the guidelines posted in this course regarding accessing Blackboard assignments. Problems in this area need to be discussed with faculty at the time of occurrence, either via a phone call during posted acceptable hours for calling, or via email notification (preferred) during times outside those posted for calls.

**To participate in one of ASU’s distance education programs, you need this technology:**

- A computer capable of running Windows 7 or later, or Mac OSX 10.8 or later
- The latest version of one of these web browsers: Internet Explorer, Firefox, or Safari
- Microsoft Office Suite or a compatible Open Office Suite
- Adobe Acrobat Reader
- High Speed Internet Access
- Ethernet adapter cable required (wireless connections can drop during tests and Collaborate sessions)
- Webcam

Refer to Angelo State University’s Distance Education website for further technology requirements: [Angelo State University's Distance Education Website](#)

**Topic Outline (Subject to change at the Professor’s discretion)**

*Module 1 (Exam 1 material: Ch. 1-4) will open January 12
*Module 2 (Exam 2 material: Ch. 5-8) will open February 10
*Module 3 (Exam 3 material: Ch. 9, 11, and 12) will open March 9
*Module 4 (Exam 4 material: Ch. 14-16) will open April 6

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Exam</th>
<th>MindTap Master Training (Due by Saturday)</th>
<th>MindTap Chapter Quizzes (Due by Sunday)</th>
<th>MindTap Biopsychology Labs</th>
<th>Video Quizzes</th>
<th>Cengage MindTap Animations</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Chapter 1: What is Behavioral Neuroscience?</td>
<td>Jan 18</td>
<td>Jan 19</td>
<td>Jan 20</td>
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<td></td>
<td>1.2 Electroencephalography (EEG)</td>
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<tr>
<td>January 13-19</td>
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<td>Week 2</td>
<td>Chapter 2: Functional Neuroanatomy and the Evolution of the Nervous System</td>
<td>Jan 25</td>
<td>Jan 26</td>
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<td>2.2 Major Structures of the Brain</td>
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<tr>
<td>January 20-26</td>
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<tr>
<td>Week</td>
<td>Date</td>
<td>Chapter</td>
<td>Sections</td>
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<tr>
<td>3</td>
<td>Jan 27-Feb 2</td>
<td>3: Neurophysiology: The Structure and Functions of the Cells of the Nervous System</td>
<td>3.1 Axon Growth, 3.2 The Axon Potential</td>
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<td>4</td>
<td>Feb 3-9</td>
<td>4: Psychopharmacology</td>
<td>4.2 Agonist and Antagonists</td>
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<td>5</td>
<td>Feb 10-16</td>
<td>5: Genetics and the Development of the Human Brain</td>
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<td>6</td>
<td>Feb 17-23</td>
<td>6: Vision</td>
<td>6.2 Visual Transduction, 6.2 Retinal Ganglion Cell Receptive Fields</td>
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<td>7</td>
<td>Feb 24-Mar 1</td>
<td>7: Nonvisual Sensation and Perception</td>
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<td>8</td>
<td>Mar 2-8</td>
<td>8: Movement</td>
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<td>9</td>
<td>Mar 9-15</td>
<td>Spring Break</td>
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<td>10</td>
<td>Mar 16-22</td>
<td>9: Homeostasis, Motivation, and Reward</td>
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<td>11</td>
<td>Mar 23-29</td>
<td>11: Sleep and Waking</td>
<td>11.1 Cellular Clock</td>
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<td>12</td>
<td>Mar 30-Apr 5</td>
<td>12: Learning and Memory</td>
<td>12.1 The Neural Basis of Habituation, Sensitization, and Classical Conditioning</td>
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<td>13</td>
<td>Apr 1-13</td>
<td>14: Emotion</td>
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<tr>
<td>Week</td>
<td>Chapter</td>
<td>Exam Dates</td>
<td>Notes</td>
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<td>April 6-12</td>
<td>Aggression, and Stress</td>
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<td>April 13-19</td>
<td>Chapter 15: Neuropsychology</td>
<td>April 18, April 19</td>
<td>15.1 Prions</td>
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<td>April 20-26</td>
<td>Chapter 16: Psychopathology</td>
<td>Exam 4 April 24-27</td>
<td>April 27</td>
<td>16.2 The Genetics of Schizophrenia</td>
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<td>May 2 - May 5</td>
<td>Final Exam Cumulative</td>
<td>Final May 2-5</td>
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**Exams**

There will be 4 non-cumulative exams throughout the course of the semester and a cumulative final exam. These exams may consist of multiple choice, true/false, short answer, fill-in-the-blank or other types of questions. These exams will open on Friday and will be closed on Monday at 11:59PM. For instance, exam 1 is due February 10 by 11:59PM; the link to Exam 1 will be available on Friday February 7. Students will have 2 hours to complete each exam. Once an exam is started, it must be completed in that sitting; in addition, once 2 hours has elapsed, the exam will be automatically submitted. **Only one attempt is allowed per exam, so please be sure you are completely ready to take the exam when you start it** (e.g. don’t start it unless you can truly allocate the required amount of time to finish it). Once 11:59:59PM occurs, the link will disappear and students will be unable to submit the exam. Each noncumulative exam (Exams 1-4) will count as 100 points; **Exam 5 (Final exam) will count for 150 points. A total of 550 points will be earned from exams.**

Access to exams will be through **Respondus Lockdown Browser** and will be video recorded via Respondus. [See other required materials for a list of needed equipment]. Use of another electronic device is prohibited.

- **There is one practice quiz:** a short 10 question practice quiz over ASU trivia that is not graded. These tools will be available to the student to assure accessibility. Students are highly encouraged to go through this practice quiz in advance of taking a graded assessment (e.g. exam). This process will allow you to become familiar with the technology associated with testing and improve the testing environment. Instructional videos and more information regarding Respondus Monitor can be found under the Respondus Monitor Help tab in your Blackboard course.

**MindTap Review “Mastery” Trainings**

At the end of each chapter covered, students will be responsible for the completion of Mastery training. These trainings are meant to allow students to remain engaged in course material and to help them learn/review vocabulary and terms useful for those respective chapters. In order to gain full credit, students will have to complete the mastery trainings several times. These are not assignments that you can do once and then call it a day. **MindTap Mastery Trainings are due at the end of the day each Saturday** (see dates above).
So how do they work? These assignments allow students to select a varied amount of “memories” that they wish to learn. (e.g. 10 or 20) This will be the amount of terms students will be reviewing in that “session”. At the conclusion of that session, students will earn progress towards that chapters’ mastery training. You need to get the progress circle to 100% for that chapter. Once you do, you will get 20 points (this is synced with Blackboard). Once you complete the progress bar for that chapter, you do not have to keep doing them. Please allow 24 hours for grades to sync from MindTap to Blackboard. All MindTap mastery trainings for that particular module/unit will be available at the beginning of that module (for example, Chapters 1-4 and all of their assignments are open for students to do starting on January 12; however, each has a particular due date, as seen above). Each Review assignment (Mastery Training) is worth 20 points and you can drop the lowest two (or choose not to do two). So, that is 12 trainings at 20 points each for a total grade contribution of 240 points.

MindTap Chapter Tests

Throughout each unit, students will be responsible for completing chapter tests. These tests consist of 20 questions and you will get 2 attempts, each lasting 60 minutes. When completing each test, once you select an answer for a question, you can save your responses and then manually click another question on the left hand side. Once completed, select “Submit Assignment for Grading”. All due dates for MindTap chapter tests can be found in the schedule above. Your best out of the 2 attempts will be used for scoring. All MindTap chapter tests for that particular module/unit will be available at the beginning of that module (for example, Chapters 1-4 and all of their assignments are open for students to do starting on January 12; however, each has a particular due date, as seen above). Each chapter quiz is worth 25 points and you can drop the lowest two (or choose not to do two). So, that is 12 chapter quizzes at 25 points each for a total MindTap chapter test grade contribution of 300 points.

MindTap Laboratory Experiments

Throughout each unit, students will be responsible for completing certain Virtual Biological Psychology Labs. Each lab involves an instructional set of slides/point-and-click experiences and concludes with a quiz covering that lab. These experiments are meant to engage students with the course material they are learning. All due dates for MindTap Virtual biological psychology labs can be found in the schedule above. You have 2 attempts at each lab with an unlimited amount of time devoted to them; each lab is worth 25 points. Each student will have 4 days to complete each laboratory experiment assignment (see dates above). You can drop the lowest one (or choose not to do one). So, that is 4 virtual biological psychology labs at 25 points each for a total grade contribution of 100 points.

MindTap Video Quizzes

Chapters 1, 12, 14, and 16 include a video quiz. These are videos surrounding a particular topic that ask students questions throughout; this is to ensure students are paying attention to the video. Students can drop their lowest two video quizzes (or choose not to do). Each video quiz counts for 30 points; so, that is 2 video quizzes at 30 points each for a total grade contribution of 60 points.

Communication
Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

**Written communication via email:** All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to faculty, include the course name and section number in your subject line.

**Virtual communication:** Office hours and/or advising may be done with the assistance of the telephone, Collaborate, Skype, etc.

## Grading

### Evaluation and Grades

Course grades will be determined as indicated in the table below.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percent/Points of Total Grade</th>
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</thead>
<tbody>
<tr>
<td>Exams (4 noncumulative &amp; 1 cumulative final)</td>
<td>550</td>
</tr>
<tr>
<td>MindTap Mastery (Review) Trainings (12)</td>
<td>240</td>
</tr>
<tr>
<td>MindTap Chapter quizzes (12)</td>
<td>300</td>
</tr>
<tr>
<td>MindTap laboratory experiments (4)</td>
<td>100</td>
</tr>
<tr>
<td>MindTap Video quizzes (2)</td>
<td>60</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>1,250 points (100%)</strong></td>
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### Grading System

Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

A = 1125-1250 points (90% - 100%)
B = 1000 – 1124 points (80% - 89.92%)
C = 875 – 999 points (70% - 79.92%)
D = 750 – 874 points (60% - 69.92%)
F = 0 – 749 points (0% - 59.92%)

***Important:** At the end of the semester, you may be tempted to email me a variant of *any* of the following:
• “Dr. Lippi, I’m SO CLOSE to a passing grade!”
• “Dr. Lippi, What extra credit is there that I can do to boost my grade?”
• “Dr. Lippi, I have to graduate!”
• “Dr. Lippi, can you please curve my grade?”

Please do not email me at the end of the semester asking to boost your grade, change your grade, or curve your grade. This is not ethical to do. Grades are earned by each and every student and it is not fair to adjust your grade or assign you extra credit without doing the same for everyone. Also, there is no extra credit. So we’ll get that out of the way now.

**Teaching Strategies**

Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (beyond the materials and lectures presented in the course) discovering, processing, and applying the course information using peer-review journal articles, researching additional information and examples on the Internet, and discussing course material and clinical experiences with their peers.

**Assignment and Activity Descriptions**

All course material for each given module will be uploaded by the dates given above. Students can work at their own pace on all assignments; however, assignments do have particular due dates so please keep them in mind.

Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (beyond the textbook and videos presented in the course) discovering, processing, and applying the course information using Youtube videos, researching additional information and examples on the Internet, and discussing course material and applied experiences with peers. For each unit, material on MindTap for that unit will be available starting at the beginning of the unit (Unit 1: January 12, Unit 2: February 10, Unit 3: March 9, and Unite 4: April 6).

**Self-introduction video**

Since we will not meet in person this semester, please upload a self-introduction video (there will be a discussion board thread available for this). These videos are meant to be an introduction to yourself and I can get to know you all since I won’t be physically seeing many of you this semester. In your video, please say your name, your year at ASU, what you are studying, and tell me a little bit about yourself. This assignment is worth 5 points of extra credit and will be added to your final grade total. This self-introduction video is due by 11:59PM Sunday January 19, 2020.

**Assignment Submission**

All exams will be done through the course Blackboard site. All MindTap assignments will be submitted through that platform; please allow some time to pass after you submit assignments for grades to sync with Blackboard. If you’re having issues with grades not syncing, please be sure to attach a copy of the issue so that I can make sure points are awarded appropriately. If a technology issue arises with an exam, please email me with screenshots of the issue or let me
know what is happening. I have attached links for Cengage Technical support to assist with any technical issues that may arise with MindTap.

**Additionally, please contact the IT Service Center at (325) 942-2911 or go to your Technology Support tab to report any technological issue you may be having with Blackboard.**

**Late Work or Missed Assignments Policy**

**POLICY ON LATE OR MISSED ASSIGNMENTS**
Due dates and times for all assignments are posted. Each module will open up at a particular time and students have from **that date** until the due dates to complete each assignment. MindTap assignments will not be given extensions if you fail to submit them on time. If a student does not complete an exam, a 0 will be given.

**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](https://www.angelo.edu/student-handbook/)
- [Angelo State University Catalog](https://www.angelo.edu/catalogs/)

**Student Responsibility and Attendance**
**Online:** This class is asynchronous, meaning you do not have to be on-line at a certain time. There are readings which you will have to complete to be able to adequately participate in individual and group assignments. In order to complete this course successfully, you do have to participate in all course activities i.e. MindTap assignments (Mastery trainings, quizzes, and labs) and exams. Students are expected to engage in course activities and submit work by the due dates and times. The hope is that students will make substantive contributions which reflect integration of assigned materials as well as any outside readings as appropriate. Scholarly contribution is an expectation. For planning purposes, this class will probably require a minimum of 6-9 study hours per week on average.

**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.

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1. [https://www.angelo.edu/student-handbook/](https://www.angelo.edu/student-handbook/)
2. [https://www.angelo.edu/catalogs/](https://www.angelo.edu/catalogs/)
The College of Health and Human Services adheres to the university’s Statement of Academic Integrity.¹

**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.⁴ 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 Procedures⁵ for more information.

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¹ [https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php](https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php)  
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)
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 any assignment requiring gathering outside material, 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.

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, I 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

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6 https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
7 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
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](http://www.angelo.edu/title-ix).

**Student Evaluation of Faculty and Course**

Students in all programs are given the opportunity to evaluate their courses and the faculty who teach them. Evaluations are most helpful when they are honest, fair, constructive, and pertinent to the class, clinical experience, or course. Faculty value student evaluations, and use student suggestions in making modifications in courses, labs and clinical experiences. Angelo State University uses the IDEA (Individual Development and Educational Assessment) system administered through Kansas State University for all course evaluations. The Office of Institutional Research and Assessment administers IDEA for the entire university, online and has established a policy whereby students can complete course evaluations free from coercion.