Instructor: Carla Ebeling
Email: cebeling@angelo.edu
Phone: (325) 486-6701
GroupMe: Biology 1307/1107 Fall 2020¹ (virtual high-five if you say “hi” before the first class day 😊)
Office: Cavness Science Building 002A
Virtual Meeting Space: Blackboard² Collaborate
Office Hours: MWF 10:00-11:00 AM, TR 11:00 AM-12:00 PM and other times by appointment. In-person office hours may be moved to outdoor spaces (weather permitting) or to a virtual meeting. Look for Blackboard and email announcements.

Course Information

Class Meeting Dates and Times
BIOL 1307.040  MWF 11:00-11:50 AM Cavness 023
BIOL 1307.070  TR 8:00-9:15 AM Cavness 200
BIOL 1307.090  TR 9:30-10:45 AM Cavness 200

Course Description
An introduction to the unifying principles of biology with emphasis on biological diversity, evolution, and ecology. Recommended for students majoring in biological sciences or related disciplines. Not intended for non-majors.

Prerequisite and Co-requisite Courses
Students must register for Biology 1307 lecture and 1107 laboratory concurrently.

Student Learning Outcomes
This course introduces the integration between structure and function of biological organization. You will be asked to use processes of science to apply principles of evolution,
genetics, diversity, and ecology to living systems. Observation, experimentation, and investigation are emphasized. Biology 1307 requires a conceptual understanding of the material rather than the simple memorization and regurgitation of facts. This course will challenge you to analyze and apply information, solve problems, and make connections different from the context in which they were learned. These are critical skills in biology. More detailed learning objectives are provided in the Blackboard course page.

**Course Delivery**

This is a face-to-face course with a component of activities and exams online. Learning resources, supplemental materials, activities, and exams are posted and available or linked in Blackboard. Course delivery is subject to change to a fully online environment.

To maintain academic quality while accommodating social distancing needs this semester, this course will use a split delivery model that combines face-to-face teaching with remote online instruction. The goal is to provide face-to-face instruction to students who can return to campus, while also allowing students who may need to learn remotely to participate via virtual class sessions.

**How Does It Work?**

Your class will be a group of students small enough to maintain physical distancing requirements in our assigned classroom space. When you are not in the physical class, you will be responsible for material covered and for completing assigned coursework in Blackboard. This work can be completed any time before the posted deadline.

Please refer to this Health and Safety web page for updated information about campus guidelines as they relate to the COVID-19 pandemic.

**Required Texts and Materials**

  - Option 1 eBook with CONNECT™– ISBN: 9781260933437
  - Option 2 Loose leaf Book AND CONNECT™ ISBN: 9781260933437
- **TopHat™** classroom response technology (see below for more info)

**Technology Requirements**

- ASU email account and access to Blackboard course site
- Exams will be delivered via Blackboard.
• TopHat™ classroom response system subscription. TopHat™ is available as an app on smartphones and tablets, and via a website on computers. Additional information will be given the first week of class.

• Computer with reliable internet access. Certain assignments require a computer with a mouse or touchpad. Certain assignments are not compatible with Chromebooks and mobile devices.

• Digital camera/scanner app. Must have the ability to take a photo/scan of written work and submit PDF electronic copy. (There are many free options!)

• Web cameras are not required but highly recommended in case you have to attend class remotely at some point.

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

Written communication via email: All email communication will be done exclusively through your ASU email address. Check your ASU email 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 and/or Blackboard Collaborate.

Grading
Evaluation and Grades
The student learning outcomes will be assessed by exams, tutorials, lecture activities, and the laboratory. Even though BIOL 1307 and 1107 are different courses, you receive one grade for the combined grades for each course (see table below). Your course grade in 1307 will be the letter grade reported for both 1307 and 1107 on your transcript.

Course grades will be determined based on combined scores from lecture and lab as indicated in the following table.
## 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 = 90-100%
- B = 80.0-89.9%
- C = 70.0-79.9%
- D = 60.0-69.9 %
- F = 0-59.9% (Grades are NOT rounded up)

*The Comprehensive Final Exam (percentage grade) can also replace a lower grade on one of the first three semester lecture exams.

## Assignment and Activity Descriptions

Knowledge of Student Learning Outcomes will be assessed as multiple choice, matching, true/false questions on examinations. Exams will be taken online via Blackboard. Activities will be a mix of various assignment formats including; TopHat questions, CONNECT assignments, Blackboard quizzes, worksheets, and other assessment formats. There will be no makeup activity if you miss a deadline.

## Examinations

You will only be allowed to “make-up” one exam during the semester by substituting it with an adjusted percentage from your final exam. If you miss more than one exam, for any reason, you will not pass this course.

**Everyone MUST take the final exam. You WILL NOT pass this course if you miss the final exam.**
All exams are comprehensive. For example, this means that Exam 3 will cover all material from exam 1, exam 2, as well as new material since those exams were given. *The Comprehensive Final Exam (percentage grade) can also replace a lower grade on one of the first three semester lecture exams.

Exam questions typically require interpretation of data and application of concepts rather than rote memory. While emphasis will be placed on material specifically discussed in lectures, exams also include questions covered in other assigned materials, readings, and lab. Exam questions will be all objective questions (multiple choice, matching, true/false) and will be given on-line on Blackboard.

Make-up exams or exam extensions will be given only in extreme emergency situations. Opportunity to take a make-up exam is based on University policy and instructor discretion. Arrangements for excused make-up exams or time extensions should be made prior to the scheduled date of the exam, unless it is a health emergency, in which case you should contact the instructor as soon as possible.

**Laboratory Grades**
Success in the laboratory involves communication and teamwork in designing and conducting experiments, performing pre-lab and lab activities and report writing. In addition, you will conduct activities designed to develop and improve critical thinking and problem-solving skills related to the topics discussed in lectures. You must earn a minimum of 60% lab score to pass the course. ***You WILL NOT pass the course if you fail the lab!!

**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 to disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university's [Statement of Academic Integrity](#).
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.

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

IMPORTANT: I am happy to make accommodations for you based on the recommendations from the Student Life Office. Please make an appointment and meet with me during the first
two weeks of class so that we have sufficient time to plan for it. One to two days prior to the exam/quiz is not acceptable. Failure to contact me in advance or adequately plan may result in a less than ideal situation or in the worst case, no accommodation at all.

**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.

**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 [Observance of Religious Holy Day](#) for more information.

**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 Use of Masks/Facial Coverings by Students**

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.

**Modifications to the Syllabus**

This syllabus, including grade evaluation and course schedule, is subject to modification. In particular, the COVID-19 pandemic may require significant changes in course delivery and content on potentially short notice.

**Course Schedule**

Tentative schedule of dates, topics, and exams. Order and dates are subject to change.
<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Week 1-4</td>
<td>Course Tutorial</td>
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<tr>
<td></td>
<td>Unit 1:</td>
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<tr>
<td></td>
<td>• Scientific Thinking (Chapter 1)</td>
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<td></td>
<td>• Lab: Intro to Lab and Scientific Method</td>
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<td></td>
<td>• Origins of Life (Chapter 4.1; Chapter 26.1-2)</td>
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<td></td>
<td>• What is a species? (Chapter 24.1-2)</td>
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<td>• Biological classification systems (Chapter 25.1-3)</td>
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<td></td>
<td>• Lab: Classification</td>
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<td><strong>EXAM #1 - Deadline Friday 11 September</strong></td>
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<td></td>
<td><strong>EXAM #1 available 12:01 AM Thursday-11:59 PM Friday</strong></td>
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<tr>
<td>Week 5-8</td>
<td>Unit 2:</td>
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<tr>
<td></td>
<td>• Diversity of Life – Eukaryotes (Chapters 4.3; 4.6; 4.8; 27-29; 31.1; 33.1-2; )</td>
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<td>• Lab Surface Area to Volume Ratio</td>
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<td>• Lab: Size and scale of life</td>
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<td></td>
<td>• Diversity of Life – Prokaryotes (Chapters 4.2; 19.1-2)</td>
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<td>• Lab: Microbes and Microscopes</td>
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<td><strong>EXAM #2 - Deadline Friday 9 October</strong></td>
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<td><strong>EXAM #2 available 12:01 AM Thursday-11:59 PM Friday</strong></td>
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<td>Week 9-12</td>
<td>Unit 3:</td>
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<td>• Mechanisms of Change -Mitosis and Meiosis Review (Chapter 16)</td>
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<td>• Intro to Evolution (Chapter 22.1-3)</td>
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<td>• Lab: Processes of Genetic Change</td>
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<td></td>
<td>• Evolution and Population Genetics (Chapter 23.1-5)</td>
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<td>• Lab: Hardy-Weinberg Equations</td>
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<td><strong>EXAM #3 Deadline Friday 6 November</strong></td>
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<td><strong>EXAM #3 available 12:01 AM Thursday-11:59 PM Friday</strong></td>
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<td>Week 13-14</td>
<td>Drop Date – Tuesday 10 November 2020</td>
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<td>Unit 4:</td>
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<td>• Ecology and Animal Behavior (Chapter 54.1-2; 55)</td>
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<td>• Population Ecology (Chapter 56)</td>
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<td>• Species Interactions (Chapter 57)</td>
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<td>• Communities and Ecosystems (Chapter 58)</td>
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<td>• Lab: Measuring Species Diversity</td>
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<td>• Lab: Ecosystems and Species Interactions</td>
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<td>• Review</td>
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</tbody>
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EXAM #4 (Comprehensive Final Exam) Deadline Tuesday 24 November
EXAM #4 availability TBA with University Final Exam Schedule

2. https://blackboard.angelo.edu
6. https://www.angelo.edu/catalogs/
10. https://www.angelo.edu/services/disability-services/
11. https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
12. https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of