Instructor: Carla Ebeling  
Email: cebeling@angelo.edu  
Phone: (325) 486-6701  
Office: Cavness Science Building 002A  
Office Hours: MWF 9:00-11:00 AM (and other times by appointment)

Course Information

Class Meeting Dates and times
Fall 2019 Semester: Monday 26 August-Friday 13 December
1307.010  MWF 8:00-8:50 AM  Cavness 023  
1307.040  MWF 11:00-11:50 AM Cavness 023  
1307.090  TR 9:30-10:45 AM Cavness 023

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 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 learning resources and supplemental materials posted in Blackboard.

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
- Students need access to Blackboard and to purchase access to TopHat™ classroom response system. More information regarding TopHat will be given the first week of class. TopHat requires a subscription and is available as an app for smartphones and tablets and a website on laptop computers.
- Laboratory quizzes require the use of Respondus LockDown Browser.
- A Digital device with wireless capability (cell phone, tablet, laptop).
  - If you do not have a device with wireless capability, please contact Dr. Connie Heimann (cheimann@angelo.edu) so that she can assist you.

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 evening.

Written communication via email: All private 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
Course grades will be determined based on a combined total of 1000 points from lecture and lab as indicated in the following table.
<table>
<thead>
<tr>
<th>Assessment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activities (CONNECT, TopHat, homework)</td>
<td>200</td>
</tr>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
</tr>
<tr>
<td>Exam 3</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam* (comprehensive)</td>
<td>200</td>
</tr>
<tr>
<td>Laboratory</td>
<td>300</td>
</tr>
<tr>
<td>Course total points</td>
<td>1000</td>
</tr>
</tbody>
</table>

Total course points: 700 lecture points; 300 lab points

**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 = 900-1000 points
- B = 800-899.9 points
- C = 700-799.9 points
- D = 600-699.9 points
- F = 0-599.9 points (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. Activities will be a mix of various assignment formats including; TopHat questions during lecture, CONNECT assignments, Blackboard quizzes, worksheets, and other assessment formats. There will be no makeup activity if you are absent or late.

**Make-up Exams**
Make-up exams will be given only in emergency situations which preclude class attendance or pre-arranged, approved university absence. Opportunity to take a make-up exam is based on University policy and instructor discretion. Arrangements for excused make-up exams 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 before the first class following the absence.
Laboratory Grades
Success in the laboratory involves 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% of the lab points (180 out of 300) 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 of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering 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.

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.

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.

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>
<th>Topic Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Origin and History of Life</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Diversity of Life; Biological Classification Systems</td>
<td>Labor Day Holiday: Monday 2 September</td>
</tr>
<tr>
<td>3</td>
<td>Biological Classification Systems</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Review and EXAM 1</td>
<td>Section 010 MWF 8 am EXAM #1 - Friday 20 September</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 040 MWF 11 am EXAM #1 – Friday 20 September</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 090 TR 9:30 am EXAM #1 – Thursday 19 September</td>
</tr>
<tr>
<td>5</td>
<td>Prokaryote Diversity: Bacteria and Archaea</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Eukaryote Diversity</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Eukaryote Diversity</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Review and EXAM 2</td>
<td>Section 010 MWF 8 am - Friday 18 October</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 040 MWF 11 am – Friday 18 October</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 090 TR 9:30 am – Thursday 17 October</td>
</tr>
<tr>
<td>9</td>
<td>Mechanisms of Genetic Change</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Mechanisms of Genetic Change</td>
<td>Drop Date: Thursday 31 October</td>
</tr>
<tr>
<td>11</td>
<td>Mechanisms of Genetic Change</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Review and EXAM 3</td>
<td>Section 010 MWF 8 am - Friday 15 November</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 040 MWF 11 am – Friday 15 November</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 090 TR 9:30 am – Thursday 14 November</td>
</tr>
<tr>
<td>13</td>
<td>Communities and Ecosystems</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Communities and Ecosystems</td>
<td>Thanksgiving Break: 27-29 November</td>
</tr>
<tr>
<td>15</td>
<td>Communities and Ecosystems and Review</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>FINAL EXAM</td>
<td>Section 010 Monday 9 December – 8:00-10:00am</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 040 Wednesday 11 December – 10:30am-12:30pm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Section 090 Thursday 12 December – 8:00-10:00am</td>
</tr>
</tbody>
</table>