



**Biology 1406:**

**Principles of Biology Syllabus**

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### **Course Description**

An introduction to the unifying principles of biology with emphasis on biological diversity, evolution, and ecology. Laboratory is designed to reinforce lecture topics and develop analytical skills essential to the practice of biology. Recommended as a first semester course of a two-course sequence for students

majoring in biological sciences or related disciplines. Not intended for non-majors.

As an advanced course, Dual Credit Biology has Biology I and Chemistry I as a prerequisite.

### **Grading**

- Six weeks grades will be determined as follows:

10% Daily Work: class assignments and homework.

25% Drawings and Labs.

65% Test: major test and projects

- The semester exam will count as  $\frac{1}{4}$  of the semester grade.

### **Make-up Work:**

If you have been absent, you are responsible for getting missed assignments. Normally, one day will be granted for each day absent to complete and turn in make up work.

**Late Work: Late work will not be accepted.**

### **Tutoring:**

Tutoring is available before school from 7:15 to 7:50 and any other time with prior notice. I encourage you to come and get help, ask questions, make up work, or clarify instructions if needed.



### **Your Final Angelo State University Grade:**

The three six weeks grades along with the semester final averaged together create your final semester average for the course.

### **Timeline:**

#### **4th Six Weeks:**

Unit 8: Photosynthesis

Unit 9: Cell Cycle

#### **5th Six Weeks:**

Unit 10: Meiosis

Unit 11: Genetics

#### **6th Six Weeks:**

Unit 12: Molecular Basis of Inheritance

Unit 13: The Central Dogma

### **Instructor's responsibilities:**

- Provide a high quality vigorous course and maintain the highest standards of academic integrity
- Challenge students' thinking skills and independent problem solving skills on an ongoing basis
- Let students work out challenging exercises in class in a team setting
- Assist students with problem solving by providing fundamental problem solving strategies
- Be available for students
- Be patient
- Communicate effectively
- Monitor and evaluate students' progress



-Uphold safety standards

**Students' responsibilities:**

-Be grown professionals

-Be proactive

-Be significantly interested in scientific subjects (be engaged).

-Review and catch up with knowledge that is expected for this class

-Refrain from disruptive and/or disrespectful behavior

-Read chapters in the textbook before they are covered in class

-Do the homework by the due date

-Make use of various resources

-Show academic integrity

-Seek the instructor's assistance and advice

-Communicate with the instructor on an ongoing basis

-Obey safety protocols at all times

-be present on time

**Attendance**

You are expected to attend all class meetings. You are expected to arrive on time and to stay until the end of the lecture. In-classroom activities such as worksheets and quizzes cannot be made up. You will not be automatically dropped if you stop attending class.

If you have the flu, please stay home. Do not help spread the flu to everyone else. Keep your professor informed as to your status by email (preferred) or telephone (if necessary). Your faculty will work with you to keep up to date in the class.



### **Last Day to Drop**

The last day to drop a class or withdraw from the University for the Regular Spring 2022 Semester is **April 28, 2022**.

### **Honor Code /Academic Dishonesty**

Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code, which is to be found in the Student Handbook ([www.angelo.edu/cstudent/](http://www.angelo.edu/cstudent/)). The penalty for ANY sort of dishonesty, cheating or plagiarism can range from a grade of zero on the assignment to a F in the course and disciplinary action as warranted in accordance with university guidelines.

Don't even consider it.

### **Forging signatures**

The instructor is required to keep track of the students' class attendance for administrative reasons. Therefore, in each class a sign in sheet will be handed out, which each student will sign with their signature. For the instructor it is of no significance if you miss class. Your grade will be based on your performance considering the course material. Excused and unexcused absences will have no impact on your grade (other than that a large number of absences will most likely naturally diminish your chances of succeeding in this course). Any reproduction of someone else's signature is considered forgery. Forgery is a criminal offense and is punishable by up to a \$500 fine and possible jail time. It is also a violation of the ASU Code of Student Conduct and could result in dismissal, suspension, or expulsion from the University. If one of your fellow students is absent for legitimate reasons do not sign with his or her signature.



That is considered forgery and is punishable. You can let the instructor know about that student's absence to be excused. You can also vouch for that student by writing a comment into the sign in sheet that this student's absence is excused, or the student is going to be late, or the student had to leave etc., then sign with your own initials.

### **Disabilities**

Persons with disabilities which may warrant academic accommodations must contact the Student Life Office, Room 112 University Center, in order to request and to implement academic accommodations.

### **Lab Course**

The Biology 1407 Principles of Biology laboratory class accompanies this lecture class. The lab is designed to illustrate some of the principles. In some cases, the experiments in the lab will introduce you to concepts *before* you cover them in the lecture course, and in some cases, the experiments will reinforce concepts already covered in the lecture course.

**This syllabus is subject to change.**



I \_\_\_\_\_ have read and understand the requirements for this

Dual Credit Principles of Biology course and agree to follow the above classroom procedures.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent or Student Comments: *(If you think there is anything that I need to know to make this a successful school year, please comment below, leave me an e-mail message, or call and schedule a conference.)*