



BIOL1610 (4 sem. hrs.) & BIOL 1615 (1 sem hr) A. P. Biology (1 year upper level science credit)

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COURSE DESCRIPTION

This is a Concurrent Enrollment Course, offering both high school credit through Timpview High School and college credit through Utah Valley University. Those who enroll in the concurrent enrollment program through UVU, receive 5 semester hours of credit from UVU that is transferable to all Utah state colleges and universities as well as BYU. This course is also designed as an introductory college biology course covering the necessary material to pass the AP Biology Exam given in May. Those who receive a score of 3, 4, or 5 on the AP Biology exam, may receive up to 8 semester hours of credit or advanced standing from over 3,500 colleges and universities. BYU gives 3 semester hours credit for Bio 100. UVU gives 5 semester hours of credit for BIOL1610 & BIOL1615.

COURSE PREREQUISITES & CO REQUISITES

Required Prerequisites: High School Biology
High School Chemistry

Recommended: Previously enrolled or concurrently enrolled in Physiology

COURSE OBJECTIVES & LEARNING OUTCOMES

This course is designed around four "Big Ideas" and seven basic "Science Practices" list below.

Big Ideas

Big Idea 1: The process of evolution drives the diversity and unity of life.

Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis.

Big Idea 3: Living systems store, retrieve, transmit and respond to information essential to life processes.

Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties.

Science Practices

1. The student can use representations and models to communicate scientific phenomena and solve scientific problems.
 2. The student can use mathematics appropriately.
 3. The student can engage in scientific questioning to extend thinking or to guide investigations within the context of the AP course.
 4. The student can plan and implement data collection strategies appropriate to a particular scientific question.
 5. The student can perform data analysis and evaluation of evidence.
 6. The student can work with scientific explanations and theories.
 7. The student is able to connect and relate knowledge across various scales, concepts and representations in and across domains.
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TEXTBOOKS AND INSTRUCTIONAL MATERIALS

Textbooks: Campbell, Neil A.; Biology and Jane B. Reece, 11th Edition. San Francisco, Pearson / Benjamin Cummings 2018
Lab Manual: AP Biology Investigative Labs: An Inquiry-Based Approach. The College Board, 2nd Edition, New York 2013
Lab Manual: AP Biology Lab Manual. The College Board, 2001 Revised Edition

COURSE TOPICS/ CHAPTERS/ UNITS/ TENTATIVE SCHEDULE

Students can go to “AP Central” online to the AP Biology home page and download the “AP Biology Course and Exam Description” at <https://apstudent.collegeboard.org/apcourse/ap-biology> or visit the Timpview Website for Alan Myrup and click on AP Bio Course Framework.

ASSIGNMENTS

1. Students typically receive one to two homework assignments per week. Most involve reading and writing.
 2. Complete all required work to the best of your ability and with the goal to learn. Don't do it just to "get it over with." Take pride in your work and do your best.
 3. Do your own work. You may get help from others. However, any copying, trading of answers or any other form of cheating will result in an automatic zero for those students involved. (Student Handbook)
 4. Due dates will be given and posted. Assignments will be due at the beginning of class unless otherwise stated.
 5. Late Assignments - Late work is not accepted for full credit. Only two late assignments are allowed per term for 1/2 credit and will only be accepted up until that particular unit's test. Missing assignments, even if they are never turned in, count as late assignments. **No other late work will be accepted.**
 6. If absent, please request makeup work/homework through a friend in the class or ask the teacher upon returning to class. It is your responsibility to find out what you missed and complete it within the time allowed.
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EXAMS & QUIZZES

1. Test dates will be posted at least two days in advance.
 2. All tests are required and will be scored toward your grade.
 3. If absent, a fair time will be given for you to make up the test, usually two days. Make-up tests will **NOT** be given during class time or during any other period. Arrange a time with the teacher to make up the test after school.
 4. If you are truant on test day, you will receive a zero for the test and will not be allowed to make it up.
 5. Cheating on a test will result in an automatic zero for that test with no makeup allowed.
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A.P. BIOLOGY EXAM

Exam Content and Format

The AP Biology Exam is approximately 3 hours in length. There are two sections.

- Section I is 90 minutes and consists of 63 multiple-choice questions and 6 grid-in questions (math related) accounting for 50 percent of the final score.
- Section II is 90 minutes and consists of 2 long free-response questions and 6 short free-response questions accounting for 50 percent of the final score.

It begins with a 10-minute reading period to read the questions and plan your answers. The remaining 1 hour and 20 minutes is for writing. The 2 long free-response questions should require about 20 minutes each to answer.

Questions 3 through 8 are short free-response questions and should require about 6 minutes each to answer.

Test Scores

The extensive work done by college faculty and AP teachers in the development of the course and the exam and throughout the scoring process ensures that AP Exam scores accurately represent students' achievement in the equivalent college course. Scores on the free-response questions are weighted and combined with the results of the computer-scored multiple-choice questions, and this raw score is summed to give a composite AP score of 5, 4, 3, 2, or 1. In general, the AP composite score points are set so that the lowest raw score needed to earn an AP score of 5 is equivalent to the average score among college students earning grades of A in the college course. Similarly, AP Exam scores of 4 are equivalent to college grades of A-, B+, and B. AP Exam scores of 3 are equivalent to college grades of B-, C+, and C.

GRADES

Your grade concurrent enrollment grade will be determined by averaging your high school grades for all four terms. A = 4.0, A- = 3.7, B+ = 3.4, B = 3.0, B- = 2.7, C+ = 2.4, C = 2.0, C- = 1.7, F (E) = 0.0

Your grade will be based on total points - tests, quizzes, labs, assignments, etc.

Grading Scale				
A 93%	B+ 87%	C+ 77%	D+ 67%	F below 60%
A- 90%	B 83%	C 73%	D 63%	
	B- 80%	C- 70%	D 60%	

NOTICE: Your grade for this class will become part of your permanent college transcript and will affect your GPA. A low grade in this course can affect college acceptance and scholarship eligibility

DROPPING THE CLASS

_____ is the last day to drop the course without it showing on your transcript. .

_____ is the last day to withdraw from the class

If you drop the high school class, you must also withdraw from the UVU class to avoid receiving an E or UW (unofficial withdrawal).

INSTRUCTOR POLICIES

Class Procedures

1. Be present and on time - in your seat ready to begin at the bell.
2. Do not disrupt the class - the learning. No phones, ipods, or other electronic devices please. Please turn them off and put away. They hinder your ability to be attentive and learn.
3. Respect others - their property and space. Courtesy always wins respect and leaves a lasting impression.
4. Be attentive and do what is expected - Listen to learn. Participate in the activities of the class.
5. Be Prepared - You should bring your textbook, notebook, and writing instrument every day as well as any assignment that is due completed and ready to hand in on time.
6. Behavior and Dress - See Student Handbook
7. Seating - teacher's option
8. I excuse you - not the bell.
9. Please, no food, candy, or drinks of any kind in the classroom.

Attendance Procedures

1. Timpview High School encourages students to maintain an attendance rate of better than 90%. Class time is valuable learning time and your attendance is directly related to your success in school.
2. Absences must be cleared by a parent or guardian by a written note within 48 hours of the absence by note, email or phone call.
3. If absent from class, please contact the teacher upon your return to hand in any assignments due and to pick up any makeup work that resulted from your absence.
4. A student is tardy when they are not in their seat with the appropriate materials ready to begin at the bell. Students who are tardy to class, must sign the tardy log. This will be used to verify that you were present in class rather than absent.
5. Only two tardies are allowed per class per term. Additional tardies will lead to a 15-minute lunch detention.
6. If a student is more than 10 minutes late, it will be recorded as an absence.

Classroom Safety

1. Specific instructions will be given prior to each laboratory exercise. Make sure you understand and follow them.
2. Use common sense. BE CAREFUL!
3. No Horseplay - This may result in the loss of laboratory privileges.
4. No food or drink is allowed in the lab.

ACADEMIC STANDARDS

Each student is expected to maintain academic ethics and honesty in all its forms, including but not limited to cheating and plagiarism. See section on "Assignments (# 3)" and "Exams and Quizzes (#5)" for details.

ATTENTION STUDENTS WITH DISABILITIES: If you have any disability, which may impair your ability to successfully, complete this course, please contact the Accessibility Services office, 801-863-8747, BU 146. Academic accommodations are granted for all students who have qualified documented disabilities. All services are coordinated with the Accessibility Services office.

I understand and agree to abide by the classroom policies as stated in this document.

Student Signature _____ Date _____ E-mail _____

Parent Signature _____ Date _____ E-mail _____

(Please update your address with the school if it has changed)

Phone _____