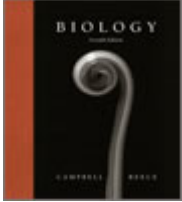


AP Biology



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Text: *Biology*, 7th Edition by Campbell and Reece

Course Description

- This is a project- and laboratory-based course where you will be allowed to generate knowledge about biology (a fancy term for the study of the living world) with your peers and prepare to take the demanding Advanced Placement Biology Exam
- Your teacher will be a guide for the journey, a facilitator, an events planner, and a source of information.
- Other sources of information will be the textbook, charts and diagrams, videos, and many internet sources selected by the guide and by yourselves.
- Always remember, you are the learner here! You are the one who needs to actively acquire knowledge. You are the one preparing for the AP Biology Exam
- Who knows where the journey will lead (actually, the guide does), but by the end of the journey you will be richer in knowledge and experience and will be prepared to take the AP Biology Exam

Semester 1

- Themes in Biology
- Chemistry of Life
- The Cell
- Genetics
- Ecology

Semester 2

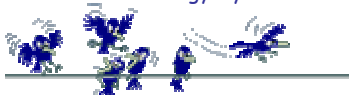
- Mechanisms of Evolution
- Biological Diversity
- Plant Form and Function
- Animal Form and Function
- Human Body Systems

Goals and Objectives

At the completion of AP Biology, the student will be able to organize, discuss, interpret, and integrate topics related to

1. the unifying themes of biology
2. scientific experiments and experimental results.
3. fundamental characteristics of living organisms.
4. chemical processes underlying life processes.
5. the structure and function of cells and cell parts
6. the central role of energy in living systems.
7. factors associated with genetic variation in individuals and in populations.
8. the role of natural selection in evolution and how biodiversity relates to evolutionary relationships.
9. the five-Kingdom and three-Domain classification systems.
10. differences and similarities in major groups of microorganisms, fungi, plants, and animals.
11. the relation of form, function, and regulation of internal environments in representative plants and animals.
12. the historical development of major ideas in biology

Students will also prepare for the AP Biology Exam (May 2006)



Requirements

COME TO CLASS PREPARED:

- Read the text and participate in online activities associated with text readings
- Prepare and study Vocabulary terms
- Prepare study guides for each chapter
- **TURN IN ASSIGNMENTS ON TIME** (This means organize your time!)
- **Late assignments are NOT accepted!**
- **If you are ill, your work is due the DAY you get back!**
- **Students are expected to treat each other with respect in both words and actions. Inappropriate language and behavior is NOT tolerated!**
- **Students may NOT eat in the classroom but may drink WATER.**

Tests

- **100 points each**
- 6 per semester
- Multiple choice, label diagrams, fill in the blanks.....
- Critical Thinking Questions
- Vocabulary Intensive
- Graphing and Data Analysis
- Short paragraphs
- **NO DROPPED TESTS**
- **If you are ill on the day of the test, you must make arrangements to make up the test within 3 days of coming back to school!**

Projects

- **100 points each**
- In Class Preparation
- Group and Individual
- Involve Library and Internet Research
- Turned-in via email
- PowerPoint/Web Pages/Word or other presentation format
- Presented In Class and/or Viewed on the Web

Quizzes

- **5~25 points each**
- Multiple Choice and Essay Format
- **MAY BE UNANNOUNCED!!!!**
- **Quizzes may NOT be made up!**

Labs: (12 required AP Biology Labs +)

- **25~100 points each**
- Observations, Data Gathering, Data Organizing, Graphing,
- Online Simulations Computer~Data Generation
- Write-up in Lab Notebook

Homework

- **20 points per chapter**
- Vocabulary Definitions (5 points)
- Chapter Outlines (5 points)
- Chapter Questions ((5 points self-quiz and 5 points critical thinking essay)

Semester Final: 20 percent of the semester grade

- Multiple Choice Questions (AP Biology Exam Format)
- Essay Questions (AP Biology Exam Format)



Grading Scale: Standard Scale used school-wide: see page 6 of student manual.

- Grades are NOT rounded!

Extra Credit:

- Extra Credit Assignments are offered over Christmas and Easter Break
- THESE ARE THE ONLY EXTRA CREDIT ASSIGNMENTS FOR THE YEAR

All Assignments and Projects are flexible in DESIGN, not in DUE DATE

- Turn in all assignments on time.....
- Have I mentioned this?

Late assignments are NOT accepted!

NO DROPPED TESTS

Quizzes May Be Unannounced...

- Come to Class Prepared....

Extended Time Accommodations:

- It is the responsibility of the student to notify the teacher one day in advance of the need for extended time on a test or quiz, and it is the responsibility of the teacher to arrange for the extended time so that it does not impact other classes during the day.

Protocol for Addressing Student and Parent Concerns:

- Students and parents are requested to speak first to the teacher regarding all issues of concern including grade challenges, and other matters related to classroom conduct, and evaluation, at an appropriate time. If, after addressing the matter directly with the teacher, the student or parent needs further help addressing the issue, he or she should proceed to the grade level academic advisor who will bring the parties together to satisfactorily resolve the issue. Students should be empowered by this process - and know that they are their own best advocates.

Senior Waiver Policy:

- Second semester seniors who have achieved an average of 92.5 may waive their second semester final exams in disciplines that allow such waivers. Not all departments allow waivers; however, decisions must be made with department consensus.

Cell Phone Policy:

- Pagers and cell phones must be turned off when students are in the classroom or any building on campus. If a cell phone or beeper goes off during class, it will be taken from the student and given to the Dean of Students until the end of the day. In addition, the student will serve a detention. A student's continued abuse of her the cell phone may result in more serious consequences.

Absences and Tardies

- You are considered tardy if you are NOT in your seat when the bell rings. You will be marked tardy if you enter class within the 1st 10 minutes of class. If you arrive after the 1st 10 minutes you will be sent to get a READMIT and will be considered ABSENT

Academic Integrity:

- All work (homework, quizzes, tests, papers, projects, labs, etc.) must be your own.
- Cheating includes, but is not limited to
 - submitting work copied from a friend or an outside source (without attribution)
 - giving work to a friend or giving/receiving excessive assistance from someone
 - Accepting or giving help during a test or quiz.
 - Using a calculator or notes without expressed permission of the teacher
 - Using notes stored on a calculator with expressed permission of the teacher
- Plagiarism, a form of cheating, involves presenting someone else's ideas or words, whether deliberate or inadvertent, without giving credit!

