

May 4, 2008

AP Biology Syllabus
Mr. Feyder
feyderm@gmail.com

Introduction

Welcome to Advanced Placement Biology for the 2008/2009 academic year. As described within its title, the course is designed for the advanced study of biology and is equivalent in material and difficulty to an introductory undergraduate biology course. Therefore, if this is one of your first AP courses undertaken, a few aspects of this class will differ from your previous studies. First of which is the amount of material covered. Because of the large degree of material on the AP test, it will be essential that we move efficiently through the textbook so that you are exposed to all the topics to be tested. Thus, the amount of reading and homework each night may be more than previous classes. Secondly, advanced courses demand greater scholarship. You are responsible for keeping up with the material presented in class and submitting work in a timely manner. These points are not to scare you away from what will be a challenging and exciting class, but you give you an honest and fair assessment of how the class will be conducted and to give you the best chance of success on the AP test. And, of course, a good score on the AP test will mean college credit in introductory biology!

Books and Materials

Campbell et al. Biology AP Edition, 7th. Pearson Benjamin Cummings. 2005.
ISBN# 0805367772

Taylor. Study Guide for Biology 7th Edition. Pearson Benjamin Cummings. 2005.
ISBN# 0805371559.

Pack, Phillip. AP Biology Cliff Notes 3rd Ed. Cliff Notes. ISBN# 047009764

Summer Assignment

Summer reading will consist of selected chapters (50, 52, 53 and 54) within the Ecology unit. Please read the material closely and complete the study guide as there will be a test of the material shortly after school starts. We will review the chapters briefly beforehand, but it is your responsibility to have a strong understanding of the unit before school starts. Having this material completed early within the school year will give us more time to devote to the more conceptually difficult material.

Preliminary Course Outline

Fall Semester		
Campbell Chapters	Days of Material	Lab
50/52/53/54 (summer reading)	4 days	
1/2	10 days	
3/4	8 days	Diffusion and Osmosis
5/6	9 days	Enzyme Catalysis
7	8 days	
8/9	11 days	Cell Respiration
10/11	9 days	Plant Pigments and Photosynthesis
12/13	10 days	Mitosis and Meiosis
48	9 days	Physiology of the Circulatory system

Spring Semester		
Campbell Chapters	Days of Material	Lab
14/15	11 days	Molecular Biology (6a?)
16/17	8 days	Genetics of Organisms
18/19/20	9 days	Electrophoresis (6b?)
21/22/23/24	8 days	Population Genetics and Evolution
32/33/34	9 days	Animal Behavior
29/30/35/38	9 days	Transpiration
40/42/43/44	8 days	Dissolved Oxygen
41/45/46	9 days	

May 11, 2009; 8 am – AP Biology Exam