



2019--2020 COURSE SYLLABUS

AP Biology Syllabus and Norms

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Classroom expectations are set to create a nurturing environment where we may learn about life on our planet! During the first week of school, students will decide which expectations are most important for a productive classroom environment.

Course Materials:

- Composition Notebook
- Folder or Binder to collect handouts
- Writing Utensil (pen or pencil)
- Calculator

Behavior Consequences*:

1st Offense - **Warning** - your name will be written on my clipboard and you will receive a warning note

2nd Offense - **Phone Call Home** - you will receive a second warning note and I will call home

3rd Offense - Sent out of class to discipline office*₂

*1: Warnings reset at the start of each day except for extenuating circumstances

*2: Extreme sudden misbehavior may warrant a fast track to discipline office without 1st and 2nd warning

Late Work and Make-Up Work Policy

Late work and make-up work will be accepted on a case to case policy. If you need to turn in an assignment late, please *communicate with me first*. Late work will not be accepted without prior notification.

Class website: <https://sites.google.com/site/mrsfuginasclasswebsite/>

Hall Passes

Each student will receive 3 passes a quarter to use the restroom, get water or go to your locker. It will be your responsibility to keep the passes in a safe place. Lost passes will not be replaced. Passes unused at the end of the quarter will be worth extra credit points.

Tardy Policy

Students will be expected to be in their seat with their course materials out WHEN the bell rings. Students who are not in their seat when the bell rings will have their names referred to the discipline office for lunch detention. *Warnings are not given for tardies.*

Course Description

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by science majors in their first year. Students are expected to learn not by memorization of facts, but through content and concept application via the AP Biology science practices. Inquiry laboratory experiences are a substantial component of this course requiring students to apply their content knowledge to novel scientific questions.

Grading Policy

A	89.50 – 100%
B	79.50 – 88.49%
C	69.50 – 78.49%
D	59.50 – 68.49%
F	0 – 59.49%

1st Semester Grade Percentage Breakdown

Lab Handouts, Warm-Ups, Notes & Homework:	10%
Laboratory Reports:	20%
Class Participation:	20%
Quizzes:	20%
Unit Exams:	20%
Final Exam:	10%

I have read the syllabus and understand the classroom norms and expectations of me in this class.

Printed Student Name:

Student Signature:



AP Biology Fall 2019 *SUBJECT TO CHANGE*

Unit	# of Days	Class Activities	Homework (Due on LAST day of unit)	Quizzes/ Exams Dates
1 - Lab Safety, Metrics and Science	7	Norms & Agreements Activity Lab Safety Scavenger Hunt Statistics Lab Experimental Design Activity	<ul style="list-style-type: none"> Chapter 1 Notes (Cornell Method) Signed Lab Safety and Syllabus Metrics Problems Statistics GROUP Lab Report Experimental Design Group Work 	Summer Assignment Quiz August 29 Quiz 1 September 9
2 - Chemistry/ Biochemistry Review	10	Water Properties Lab pH Lab Macromolecule Lab	<ul style="list-style-type: none"> Chapters 2-5 Notes (2 using Cornell Method / 2 using Outlining Method) Water Properties Lab Handout pH Lab Handout Macromolecule Lab Handout 	Quiz 2 September 23
3 - Cell Structure	5	Cell Lab	<ul style="list-style-type: none"> Chapter 6 Notes (Charting Method) Cell Lab Handout 	Quiz 3 September 30
4 - Cell Membranes, Osmosis, Diffusion	10	Potato Core Lab Dialysis Bag Lab Transpiration/ Stomata Peel Lab Water Potential FRQ Practice and Grading	<ul style="list-style-type: none"> Chapter 7 & 11 Notes (Mapping Method) Potato Core/ Dialysis Lab Handouts Water Potential FRQ Practice Problem Transpiration Group Lab Report 	Unit Exam 1-4 October 14
5 - Enzymes	8	Enzyme Lab (pH, temp, concentration) Enzyme FRQ Practice and Grading	<ul style="list-style-type: none"> Chapter 8 Notes Enzyme Group Lab Report 	Quiz 5 October 24
6 - Cellular Respiration	8	Cellular Respiration Lab	<ul style="list-style-type: none"> Chapter 9 Notes Cell Respiration Group Lab Report 	Quiz 6 November 5
7 - Photosynthesis	9	Photosynthesis/ Stomata Peel Lab	<ul style="list-style-type: none"> Chapter 10, 35-36 Photosynthesis Group Lab Report 	Quiz 7 November 19
8 - Mitosis and Meiosis	5	Mitosis Lab	<ul style="list-style-type: none"> Chapter 12-13 Notes Mitosis Activity 	Unit Exam 5-8 December 3
9 - Mendelian Genetics	8	Mendelian Genetics Problems Genetic Corn Lab Chi Squared Analysis	<ul style="list-style-type: none"> Chapter 14-15 Notes Mendelian Genetics Problems Chi Square Analysis M&M and Genetic Corn Lab Handout 	Quiz 9 December 13
10 - DNA	5	DNA Extraction Lab	<ul style="list-style-type: none"> Chapter 16 Notes DNA Extraction Lab Handout 	Quiz 10 December 20



11 - Protein Synthesis	5	BLAST Lab Protein Synthesis Problems	<ul style="list-style-type: none">• Chapter 17-18 Notes	Quiz 11 January 10
12- Molecular Biology, Genetic Engineering	n/a	Gel Electrophoresis Lab Report	<ul style="list-style-type: none">• Chapter 20 (due Jan 25)• Gel Electrophoresis Group Lab Report (due Jan 28)*will count towards 2nd semester*	Fall Semester Final (Units 1-12) January 15-16

1 - After Unit 4, you may decide which note taking method you prefer.