

BIOLOGY 101 F: GENERAL BIOLOGY COURSE SYLLABUS

Anson Lui, MS
Fall Semester 2009

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Office Hours:	By Appointment Only (Monday or Wednesday)

Course Description: This course includes one lecture and one laboratory meeting each week. This introductory non-majors course will emphasize basic biological principles, structure and function of living organisms and contemporary issues. Students may not receive credit in BIOL 101 F after taking BIOL 100 F, BIOL 101 HF, or BIOL 102 F. **Field trips are required.** 5 units. Transfer: CSU, UC Credit Limitation.

Section		Day(s)	Times	Room	Instructor
10184	Lecture	Monday	5:30 PM – 9:20 PM	715	A. Lui
10184	Laboratory	Tuesday	6:00 PM – 8:50 PM	404-T	M. DeJong
11701	Lecture	Monday	5:30 PM – 9:20 PM	715	A. Lui
11701	Laboratory	Wednesday	6:00 PM – 8:50 PM	404-T	A. Lui
11856	Lecture	Monday	5:30 PM – 9:20 PM	715	A. Lui
11856	Laboratory	Thursday	6:00 PM – 8:50 PM	404-T	M. Dejong

Required Texts:

Lecture: ***Essential Biology with Physiology*** by Campbell, Reece, and Simon
Laboratory: ***Fullerton College Biol 101 General Bio Laboratory Manual*** by Jo Wen Wu, Ph.D.

Tentative Grading Policy:

You will receive one final grade in this course based on the total number of points you earn from both lecture and lab. The sum of all points earned in lecture and lab divided by the total points possible (900) is your grade percentage. (Note: This grading policy is subject to change.)

Lecture:	Lecture Exams	250 points
	Quizzes (10)	50 points
	Lecture Final Exam	150 points
Laboratory:	Quizzes (5)	50 points
	Lab Exercises	140 points
	Field Trips (2)	110 points*
	Lab Practicum Exams (2)	150 points
	Total:	900 points

Note: Failure to pass the laboratory portion of the class will result in failure of the entire course, regardless of the number of points earned in the lecture portion.

***Laboratory field trips are required for passing this course.**

Grading Scale:	806 – 900 points =	90 -100%	A
	716 – 805 points =	80-90%	B
	626 – 715 points =	70-79%	C
	536 – 625 points =	60-69%	D
	535 or lower =	59% or lower	F

Required Materials:

Dedicated Notebook or Binder for Lecture and Lab
SCANTRON form #882 (Total of 4) for Lecture Exams
SCANTRON form #815-E "Quizstrip" (Total of 10) for Lecture Quizzes
#2 pencil and a good eraser!
Scientific Calculator (w/ ability to calculate exponents) – NOT CELL PHONES OR MOBILE DEVICES!

Tardiness and Early Departure:

You are expected to show up to each class meeting on time. If you arrive late, you will not be allowed to take a missed quiz, and points will be deducted from assignments that are due. You should not leave class (lecture or lab) early or you may miss out on point earning opportunities and/or assignments. If you leave early without first notifying your instructor, you may lose points for not participating in that lecture or lab meeting. Excessive absences, early departures, and/or lack of class participation may result in you being dropped from the class.

Policy for Make-up:

Unless there is an extreme emergency (i.e. death in the family or unexpected event of equal severity), **there will be absolutely no makeup assignments, quizzes, or exams.** Official documentation must be provided for consideration of make-up. Work, medical appointments, travel plans, and pre-arranged family obligations should not be scheduled during designated class meeting times and will not be considered as valid reasons for make-up.

Lecture Quizzes:

Lecture quizzes will cover lecture material and reading assignments given prior to each quiz and will be given at the beginning of the lecture period. Lecture quizzes are multiple-choice.

Lecture Exams:

Lecture exams will cover lecture material, reading, and assignments given prior to each exam. Lecture exams are mostly multiple-choice with a few true/false, matching, short answer, and/or essay questions at the end. Three lecture exams will be given, but the lowest **non-zero** score will be dropped. Although only 2 of 3 exams will be counted, it is not an invitation to purposefully miss one lecture exam. Doing so will result in a 25-point penalty deduction from your remaining combined lecture exam scores. The final exam is not an exam that can be dropped and is semi-cumulative. About 30% of the final exam questions will come from major topics covered during lecture and in reading assignments from throughout the semester. A study guide will be provided to help you prepare adequately for each exam.

Note: Regarding quizzes and exams, you are responsible for any marking mistakes and poorly erased changes made on your scantron. Poorly erased changes will result in lost points so be certain of the choices that you mark or use a very good eraser!

Homework:

Homework assignments will be assigned during lecture and will be due at the beginning of lecture the following week. Five points will be automatically deducted from any homework or assignment that is turned in late.

Students with Disabilities:

Fullerton College is committed to providing reasonable accommodations for students with disabilities upon request of the student and upon verification of the disability.

Extra Credit:

A pre-determined amount of extra credit points (50) has been built into this course. To earn these exclusive extra points, you must be present during lecture or lab at the time that I present these rare opportunities. Extra credit points will only be awarded to students that are present when the extra credit is assigned and who turn in properly completed assignments. There will be absolutely no make-up for missed extra credit!

Student Conduct:

- Students have an obligation to become familiar with the College's policies, rules, and regulations as stated in the ***Policies Relating To Students*** (available in all Division offices, Student Affairs Office, and Student Services Area Offices). These are the rules you are obligated to abide by as a student of this campus.
- Always conduct yourself in a responsible, safe, and considerate manner (Lecture and Lab).
- Disruptive behavior and inappropriate comments have no place in the classroom and will not be tolerated. Prompt removal from class and disciplinary action will result.
- **Any form of academic dishonesty (a.k.a. cheating) will absolutely not be tolerated.** This includes plagiarism (using someone else's ideas without giving credit or reference), using "old" exams, quizzes, lab notebooks from previous semesters, looking off someone else's exam/quiz, or allowing someone to look off your exam/quiz, using unauthorized notes during an exam, etc. **Students found cheating will receive an "F" and will face disciplinary action by the College.**

Student Wait Time for late Instructors:

Instructors are to include on their course syllabus and to notify students during the first class meeting that if, due to an unforeseen emergency, the instructor does not arrive at the scheduled time for the start of class, students are to remain in class for fifteen minutes. If students do not receive notification to wait for their instructors to arrive or any other notification by the division, after fifteen minutes the students may leave with no penalty for absences or assigned work due for that class meeting.

Student Success:

This is not an easy course! As my dad told me once, "Things of great value in life are rarely obtained without great effort." In order to earn a good grade in this course, it will require dedication and concentration. The following guidelines are a few suggestions from former students for how to do well in this course:

- **If a term or concept is unclear, be sure to ask questions.**
- **Learn how terms and concepts relate to each other - Do not merely memorize definitions!**
- **Pay attention in Lecture and Lab and take good notes – Go to every class and lab meeting and stay for the entire time!**
- **Study with friends and form study groups – Try to teach what you just learned to others.**
- **Read the assigned chapters before coming to class and/or after class.**
- **Add to your notes using details from the textbook and other resources.**
- **Use the Library, Educational CDROMS, and Internet resources.**
(i.e. Visit the Natural Sciences Division Website: <http://natsci.fullcoll.edu>)
- **Review your notes daily.**
- **Make and use flash cards.**
- **But most importantly...HAVE FUN!**

"If it's not fun, why do it?" - Ben and Jerry

BIOLOGY 101: GENERAL BIOLOGY

Lui - Fall 2009

Tentative Lecture Topic Outline - Revised 10/19/08

Week	Date	Lecture Topic(s)	Chapter(s)
1	Aug 17	Intro: Biology Today Essential Chemistry for Biology	1 2
2	Aug 24 Q#1	The Molecules of Life	3
3	Aug 31 Q#2	A Tour of the Cell The Working Cell	4 5
4	Sep 7	Labor Day Holiday – No Class Today	--
5	Sep 14	Exam #1 The Working Cell (Cont.) Digestion	-- 5 22
6	Sep 21 Q#3	Cellular Respiration Photosynthesis	6 7
7	Sep 28 Q#4	Photosynthesis (Cont.) Cellular Basis of Reproduction	7 8
8	Oct 5 Q#5	Cellular Basis of Reproduction (Cont.) Patterns of Inheritance	8 9
9	Oct 12	Exam #2 Molecular Biology of the Gene	-- 10
10	Oct 19 Q#6	Molecular Biology of the Gene (Cont.) Gene Regulation	10 11
11	Oct 26 Q#7	DNA Technology How Populations Evolve	12 13
12	Nov 2 Q#8	How Biological Diversity Evolves Population Ecology	14 18
13	Nov 9	Veteran's Day Holiday – No Class Today	--
14	Nov 16	Exam #3 Community Ecology	-- 19
15	Nov 23 Q#9	Ecosystem and Conservation Biology The Evolution of Microbial Life	20 15
16	Nov 30 Q#10	Plants, Fungi, and the Move onto Land	16
17	Dec 7	The Evolution of Animals	17
18	Dec 14	LECTURE FINAL EXAM (5:30pm - 7:30pm)	--

Holiday – Labor Day	Sep 7
Holiday – Veteran's Day	Nov 9
Holiday – Thanksgiving Holiday	Nov 26 – Nov 29
Final Exams Week	Dec 9 – Dec 17

Important Dates:

Last day to drop and qualify for refund	Aug 29
Last day to add a class	Sep 5
Last day to drop classes w/o a "W"	Sep 5
Last day to withdraw from classes	Nov 20

COMPLETE THIS PAGE AND HAND IT IN TO YOUR INSTRUCTOR

Please Print Clearly:

Last Name: _____

First Name: _____

Lab Day (Circle One): Tuesday Wednesday Thursday

e-mail Address: _____

Please also respond to the following:

What subject are you majoring in?

Please list any other College Level Science Classes you have taken (or are currently taking) within the last 2 years. Write "None" if you have not recently taken any.

List 3 topics in Biology that you are personally interested in (such as areas of research, current events in the news, diseases, your favorite animal/plant, medical oddities, etc.):

(1) _____

(2) _____

(3) _____

Syllabus Contract

I have read this syllabus in its entirety and I fully understand, and will follow, the policies and regulations mentioned herein. I agree to have my academic performance evaluated according to these grading policies and standards while enrolled in this course.

Student Signature: _____

Date: _____

THIS PAGE IS WORTH 5 POINTS – BUT ONLY IF FILLED OUT COMPLETELY!