SE '02

Bio 1012 - General Biology I
Chaminade University of Honolulu

ACCELERATED
Nora L. Chee

COURSE OUTLINE ..AND SYLLABUS
Lecture

TEXT: Audesirk, G., T. Audesirk, & B.E. Byers. 6th ed. BIOLOGY: Life on Earth, Prentice-Hall, NJ

GOALS OF COURSE:

(1) To focus on key concepts of biology, relevant to this beginning course and to other biology courses to follow.

(2) To teach about scientific

To present the biological bases for sound environmental decisions.

(4) To present a beginning survey of earth's plant/animal life.

OBJECTIVES OF COURSE:

(1) To enable a student to apply the principles of scientific inquiry to lecture/lab. exercises.

(2) To encourage a student to achieve a familiarity of scientific terms.

(3) To encourage an understanding of the interdependency of all of earth's inhabitants.

LECTURES:

(1) The student is expected to follow text assignments and topics, as given in the course outline.

(2) Exam dates will be followed unless otherwise advised.

(3) The instructor may add/omit material, if he so wishes.

GRADE DETERMINATION:

(1) Separate grades will be given for lecture and for laboratory.
(2) The final lecture exam is a comprehensive examination
(3) Grades will be tentatively computed according to the following:

1st lec. exam = 100 pts	SCALE:
2nd lec. exam = 100 pts	A = 88%
Quizzes = 50 pts	B = 78%
Final Lec.Exam= 120 pts	C = 64%
	D = 50%

GRADES(cont.)

(4) The lowest grade from the first or second exam will be dropped. Your final lecture grade will be based on the remaining lec exam plus quizzes and Final Exam.

(5) If Instructor is given a timely, legitimate excuse, a makeup exam is possible. No make-ups for quizzes missed.

(6) There will be periodic quizzes on latest material covered.

Bio 10120L - General Biology I Lab
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LABORATORY COURSE SYLLABUS

Text: Laboratory Handouts will be provided for all exercises ahead of time.

AIMS OF LABORATORY:

(1) Selected exercises to demonstrate certain key principles/ concepts, such as osmosis, genetics, etc.

(2) Use of appropriate investigative lab tools and techniques.

(3) Applications of the basics of scientific inquiry in problem solving exercises.

STUDENT OBJECTIVES:

(1) Gain an understanding of basic principles and concepts of biology.

(2) Be able todemonstrate with confidence the proper use of basic laboratory tools and techniques.

LAB PREPARATION:

Students are expected to have read and prepared ahead of time for lab assignments. Handouts will be given ahead of time.

GRADE DETERMINATION:

(1) There is a separate lab grade earned.

(2) The scale used to determine your final lab score is the same as that.given for the lecture.

(3) See Lecture Syllabus for policy on missed quizzes, exams.

(4) The final lab grade is determined as follows:

Lab Reports	100 pts.ea.	GRADING SCALE:
Quizzes	30 pts.	A = 88%
Lab Final	120 pts.	B = 78%
		C = 64%
		D = 50%

Chaminade University
Schofield
Instructor N. Chee

SPRING EVENING 2002
(Apr 1 - June 10)

M	4/1	Ch. 1 - Introduction Ch. 2 - Atoms	1-16 21-32
W	4/3	Ch. 3 - Biol. Molecules Ch. 4 - Cell I QUIZ #1	37-53 57-72
	4/8	Ch. 5 - Cell 11 Ch. 6 - Energy Flow	75-94 99-104
	4/10	Ch. 7 - Photosynthesis QUIZ #2	115-126
3 M	4/15	Ch. 8 - Glycolysis, Respiration	131-144
W	4/17	OFF - It I	
Sat	(4/20)	SATURDAY LAB on Biological Molecules Handouts	Meet at CUH Henry Hall Rm.8 9:30 - 12 noon
M	4/22	Ch. 9 - DNA & Beg. Chap. 10 QUIZ #3	149-159
W	4/24	LECTURE EXAM #1 - Ch. 1 thru 9	
M	4/29	Ch. 10 - Gene Expression	163-181
W	5/1	Ch. 11 - Cell Reproduction QUIZ #4	185-205
6 M	5/6	Ch. 12 - Patterns of Inheritance	211-235
W	(5/8)	WEDNESDAY LAB #2 in Patterns of Inheritance Handouts Report due Monday	At Schofield 5:30 -
	5/13	Ch. 13 - Biotechnology	243-264
W	5/15	OFF	
Sat	(5/18)	SATURDAY LAB #3 - Osmosis Handouts Report due Monday	Meet at CUH Henry Hall Rm.8 9:30 - 12 noon

S	M	5/20	Ch. 14 - Evolution	269-283
	W	5/22	LECTURE EXAM #2 - Ch. 9-14	
	M	5/27	HOLIDAY - no class	
	W	5/29	LAB EXAM - everything covered in labs so far	
10	M	6/3	Ch. 15 - How Organisms Evolved	287-302
			Ch. 16 - Origin of Species	307-318
	W	6/5	Ch. 17 - History of Life on Earth	323-346
	M	6/10	FINAL EXAM - Everything covered in lecture	