Chaminade University
Spring 1999

BIOLOGY 102 LECTURE AND LAB SYLLABUS

Instruct : John Schmerfeld (Phone - *377-9200;* email - john_schmerfeld@fws.gov)

Meeting Dates/Times: April *5* - June *14,1999; T,Th 1645 - 2115*

Course Description: Introduction to Organismal Biology is a 3-credit course which surveys the major areas of biological science emphasizing the structure and function of living things, how they interact with their environments, and how life evolved into its present form. The topics include: taxonomy, biodiversity, plant and animal anatomy and physiology, and ecology. The 1-credit Biology *102 lab must* be taken concurrently with lecture.

Course Objectives: At the end of these courses, the student will have: (1) an enhanced appreciation of Earth's complex biodiversity, (2) *an* understanding of plant and animal anatomy and physiology, and (3) general knowledge the field of ecology.

Required Text: *Biology: Life on Earth,* (4th/5th Edition), by Teresa and Gerald Audesirk, Prentice Hall Publishing Co., 1996/1998. Lab handouts will be provided.

Students are expected to attend all classes and may receive grade level penalties for excessive absences. Students who are absent from class for any reason are still responsible for exams, labs, and assignments. Historically, there has been a strong correlation between attendance and final grades in my classes.

Grading: The grade in Biology 102 lecture will be based on your performance in three examinations, quizzes, assignments and overall class participation and attendance. The Biology 102 lab grade will be based on your performance in at least eight labs and two

S. The gr system for both lecture and lab follows:

LECTURE		LAB	GRADE DETER
Exams 1-3	*75%*	Exams *1&2 40%*	*A = 90-100% D = 60-69%*
Assignments/Quizzes	*20%*	*Lab* Reports *60%*	*B = 80-89% F = <60%*
Participation & Attendance	5%		C = 70-79%

Academic Honesty: All students are expected to comply with the rules governing academic honesty as published by Chaminade University. Students involved with cheating or plagiarism will be issued failing grades for the exam/assignment in question. Severe cases of dishonesty will be formally submitted to the Academic Dean for disciplinary review.

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TENTATIVE **COURSE** SCHEDULE

Apr.	6	T	**Course Introduction**		
	8	Th	History of Life	Film	Chapter 19
	13	T	Taxonomy	Lab #1	Chapter 20
	15	Th	Microbe **Diversity**	**Lab** #2	**Chapter** 21
	20	T	Fungal Diversity	Lab #3	Chapter 22
	22	Th	Plant Diversity	Lab #4	Chapter 23
	27	T	EXAM 1 (Chapters 19-23)		
May 1		S	Animal Diversity, Saturday Field Trip to Waikiki Aquarium*		
	4	T	Animal Diversity		Chapter 24
	6	Th	Plant Anatomy/Physiology	Lab #5	Chapter 25
	11	T	Plant Anatomy/Physiology	Lab #6	Chapter 27
	13	Th	Animal Anatomy/Physiology LAB EXAM		Chapter 29
	18	T	Circulation/Respiration* *	Lab #7	Chapter 30
	20	Th	Digestion/Urinary	Lab #8	Chapter 32-33
	25	T	Nerves/Sensory	Lab #9	Chapter 36
	27	Th	**EXAM 2 (Chapters 24-36, noninclusive)**		
June	1	T	Muscle/Skeleton	Lab #10	Chapter 38
	3	Th	Ecology		Chapter 43/44
	8	T	Ecosystems/Earth's Diversity LAB EXAM		Chapter 45/46
	12	S	Reef **Ecosystem** Assessment*		
	15	T	EXAM 3 (Chapter 38-46, noninclusive)		

* Saturday field trips require a signed waiver.

* * Lecture and lab are tentatively scheduled to be taught at Chaminade campus.