

FE 79

Pny

CHAMINADE UNIVERSITY of HONOLULU FALL 1999 EVENING PROGRAM
October 4, 1999 - December 16 • SCHOFIELD BARRACKS EDUCATION CENTER

Course: **BI 102: General Biology II** - LECTURE (3.0 cr) + LAB (1.0 cr)
 Time: **Mon/Wed within 5:30 - 7:55 p.m. time frame**
 Instructor: **Shirley Black Gerum, B.A., Botany, MPH, Environmental Health**
 e-mail: **gerum@hawaii.edu** **Snail Mail: P.O. Box 18: Haleiwa, HI 96712**
 Office Hours: **Immediately after each lab class; other times by appointment (Tel: 624-2515, SB CUH ofc.)**
 Text: **Biology: Life on Earth (4th or 5th ed.) by Teresa and Gerald Audesirk**

I. COURSE DESCRIPTION: **BIOLOGY 102** satisfies a portion of the core requirements for natural sciences at Chaminade University of Honolulu. The course provides an overview of the basic principles of biology/biological systems and explores life forms from the bottom of the food chain to the top. We will look at the elegant systems that work to support life in the human body as a way to examine concepts common to the biological sciences, the study of all living things.

II. CLASS OBJECTIVE: This field will be changing daily—and with each advance, so will everything in our society, for there is no way to separate biology from the chain of events that led to and govern our life on earth. To provide students a basis for applying a basic understanding of biology to everyday situations—beyond the scope of this class; goals will be:

- To understand and appreciate fundamental properties and processes shared by most living organisms on our planet: **to appreciate how we're fundamentally alike and uniquely different**
- To recognize biological principles in everyday life and current events and to use the scientific approach to analyze such research to make informed administrative decisions
- To develop a fundamental vocabulary necessary for discussing, writing about biological events and to recognize the great names in the history of biology
- To learn to discern what constitutes bad science, fraud, and deception
- To learn the five kingdoms of life on earth to understand necessity of diversity,
- To learn from the living laboratory that surrounds us and to understand why biologists from all over the world come to Hawaii's mountains, streams, oceans, volcanoes to discover life forms that can be found nowhere else; to learn why Hawaii has more endangered native flora/fauna than any other state, what we can do to preserve them.

III. METHODOLOGY:

- Reading assignments from text, handouts, news media; Independent research, documentation.
- Class Lectures will be structured to provide students with the basis for further application in the biological sciences. They are designed to highlight and supplement—not to replace the text. Students should come to class prepared to participate, discuss the material covered in text.

IV. GRADING: 5 assignments and/or exams at 50 pts. each 250 points possible
 Three applicable biological articles in the news (5 pts. ea.) 15 points possible
 Attendance, Participation, Sportsmanship (APS) 15 points possible
280 points possible

A . 90-100% (252-280); B 80-89% 224-251.99; C = 70-79% (196-223.99); D - 60-69% (168-195.99); F = Below 60% (0-168)

V. STUDENT RESPONSIBILITIES:

1. **Attendance/Participation Sportsmanship (APS):** Attendance, participation and sportsmanship are vital to maintaining interactive excellence. **Attendance:** Students with the highest grades are usually those who have participated in hands-on activities, materials, are present for demonstrations, special speakers, discussions and videos that cannot be repeated. The pace of an accelerated class does not allow the time to respond to individual reiterations due to absence or late arrival. Students are responsible for obtaining information missed from other students. **Participation:** The input of class members is one of the most valuable components of a university-level class. To emphasize the importance of participation, support for those presenting ideas to the class and to underscore zero tolerance for unwelcome remarks, 15 points of the total grade will be based on APS. Good **Sportsmanship** goes a long way in any field: yielding to those who are speaking, withholding negative comments and judgments.

2. Academia Honesty: CUH policies regarding academic honesty are clear. Plagiarism is the deliberate use or reproduction of ideas, words, statements of another as one's own without proper acknowledgment or citation. Papers with plagiarized information will be returned without credit. **Cheating:** No student may give or receive help from another during examinations. No student may hand in or cause to be handed in another student's work as one's own. The copying of another's assignments(s) (complete or partial) and/or submitting as one's own original work (however freely given or purchased) the original exam, research paper, manuscript, report, computer file, or other assignment that has been prepared by another individual, website, publisher is also forbidden and will result in a ZERO for the assignment. Minor changes in wording or syntax--without acknowledgment of original work is NOT sufficient to avoid plagiarism charges. According to CUH regulations, the usual penalty for academic dishonesty is failure in the course for the 1st offense and disciplinary action, not to exclude suspension/expulsion from CUH for 2nd offense!

3. Missed Quizzes/Exams: Out of respect to students who come prepared to take quizzes/exams in spite of obstacle/illnesses, students who miss a quiz or exam will not be given the opportunity for makeup exam. Exceptions will be made for students with documented duty or medical absences who report the anticipated absence to instructor before class via e-mail or to CUH SB office.. It is the student's responsibility to keep informed of assignments, quizzes. Please check with other students if you miss class. "Not knowing" of an announced quiz will not excuse any student from taking a scheduled exam or quiz.

4. Written or Typed? Written work will be cheerfully accepted as long as it can be clearly read. If the writing is too small (or the type font used is below 13 point for typed material), you will be asked to enlarge the paper at the Library xerox below. (Note: This sentence uses TIMES 13 point type font. This sentence: HELVETICA 13 point. This sentence too small: Times 12 point.)

Course: 131 102 L- General Biology II Lab (1.0 cr)

Days/Time: Mondays & Wednesdays (3 hrs/wk within timeframe allotted per published CUH class schedule)

Three hours each week will be devoted to lab activities (fieldwork, campus walks, microscopy, field trips, observing, learning from A/V and hands-on material.). A variety of assignments, demonstrations, hands-on, field assignments, will be used to reinforce biological concepts discussed in the course. Life experiences will be incorporated whenever applicable to provide students with the vocabulary and skills needed for competency in the biological sciences. We are fortunate to have a "living laboratory" to learn from around Schofield-around our Island.

Since we will have enough daylight, at the beginning of class to fieldtrip and walk around campus to observe examples from the five kingdoms of life on earth, we will often begin the class with lab activities. Many of the learning opportunities afforded us from our environment will apply to the lab and lecture portions of this course. You will also be carrying out some of the lab assignments in your neighborhoods, hopefully with your families. Note: Regretfully, it will be impossible to replicate some hands-on lab quizzes, fieldtrips, audio-visual demos, even when missed due to documented work or illness.

The lab portion of our class will consist of 10 assignments/quizzes worth 15 points each—from the mundane to the bizarre—for a total of 150 points possible. In-Class and Take-Home Assignments:

90-100% (135-150) = A; 80-89% (120-134.99) = B; 70-79% (105-119.99) = C; 60-69% (90-104.99) = D; F = Below

"In the end, we will conserve only what we love, we will love only what we understand and we will understand only what we are taught." Baba Dioum, Senegal