

BIOLOGY 101 General Biology I
Mondays, Wednesdays, and Fridays 8:30 pm - 9:20 am
Henry, Room 107

Professor: Dr. Elena P. Gold

E-mail: elena.gold@adjunct.chaminade.edu (Best way to reach me)

Personal Number: khs.drgold@gmail.com (email linked to my phone for emergencies)

Office Number: 808-739-8373 (Shared office number, do not leave messages)

Office: Henry Hall, Room 123C

Office Hours: Wednesdays 10:30 pm to 12:30 pm or by appointment

As mentioned above, e-mail is the best way to reach me. Please be sure to use your **chaminade.edu** account for all messages you send to me. I am unable to verify the identity of persons using other email accounts.

Textbook:

Biology: Life on Earth, 10th/E (ISBN-10: 0321729714)

Gerald Audesirk, *University of Colorado, Denver*

Teresa Audesirk, *University of Colorado, Denver*

Bruce E. Byers, *University of Massachusetts, Amherst*

The textbook is available in the bookstore or you can order it online (you can check amazon, textbook.com, etc. for copies)

Course Overview:

Covers basic biological principles, anatomy and physiology of bacteria, plants and animals, human ecological concerns and genetic engineering.

Course Goals:

To present basic concepts and principles of biology.

To help the student on their road to becoming a competent and educated professional.

To study the organisms included in the botanical and zoological fields emphasizing Hawaiian flora and fauna.

Objectives for Students: At the completion of the course you, the student, will be able to do the following:

Identify biological structures, such as organs, and understand their anatomy and physiology.

Identify representative flora and fauna, especially of Hawaii.

Understand how organ systems are related to each other and cellular-level processes.

Understand ecological relationships between organisms and environments.

Understand the scientific method of investigation.

Lectures:

Class time is 50 minutes in duration, three times weekly for 16 weeks. Lectures are accompanied by one laboratory period of 2 hours and 50 minutes per week.

Lecture topics are listed in the course outline (see the end of the syllabus). Consult the outline for exam dates and holidays. Adjustments may be made to the lecture outline including but not limited to topics covered, exam days or assignments.

Quizzes:

Daily, 5-question quizzes will be given during the semester. Your quiz scores will be averaged together and will be equivalent to one exam.

Make-up quizzes will not be given. If you provide me with a paper-based, self-written excuse note (see policy below) I will not count missed quizzes in your quiz average, otherwise you will receive a zero for the missed quiz.

Grade Determination:

Separate grades will be given for lecture and laboratory.

The lecture grade will be determined as follows:

1 st Exam	100 points	Grading system
2 nd Exam	100 points	A= 90%-100%
3 rd Exam	100 points	B= 80%-89%
Cumulative Final Exam	100 points	C= 70%-79%
Quizzes/Class participation	100 points	D= 60%-69%
Total points possible	500 points	F= <59%

Note: Any exam that the student fails to complete at the expected time can be made up only with a valid reason to be determined by the instructor. The exam may be different from the exam taken by the other students.

Class Policies:

Attendance is **mandatory** for each lecture and laboratory. Attendance will be monitored.

Missed quizzes cannot be made up.

All excused absences will **require a paper-based** (either typed or hand-written, NOT email) request for excused absence. The note must include an explanation of the reason for not being in class, the date or dates of the absences, an **acknowledgment of the material missed**, and a signature by the student.

Materials such as a doctor's note may be included as supporting evidence, but the personal note acknowledging the missed material is still required. Excused absences will be noted in the grade book and quizzes given that day will not be counted for or against the student. Missed exams will have to be made up.

Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the CUH Counseling Center (Dr. June Yasuhara; phone 735-4845) by the end of week three of the class, in order for the instructor to plan accordingly. Failure to provide written documentation will prevent your instructor from making

the necessary accommodations. Please refer any questions to the Dean of Students and review the procedures at: http://www.chaminade.edu/student_life/sss/counseling_services.php.

Academic dishonesty including cheating, plagiarism, and other serious offenses will not be tolerated. Appropriate action will be taken according to the University policies.

Electronic devices: The use of cellular phones/text messaging is **prohibited** while in class. Laptops may be used to take notes but are not to be used for other purposes such as web browsing, text messaging, or working on anything else not related to class. This is a university-wide policy and the use of such devices during lecture time is disrespectful to the lecturer and neighboring students.

Course Outline:

DAY	DATE	TOPIC
Monday	01/13/14	Introduction
Wednesday	01/15/14	Atoms, Molecules and Life
Friday	01/17/14	Biological Molecules
Monday	01/20/14	No Class: Martin Luther King Day
Wednesday	01/22/14	Cellular reproduction
Friday	01/24/14	Cellular reproduction
Monday	01/27/14	Pattern of inheritance
Wednesday	01/29/14	Pattern of inheritance
Friday	01/31/14	DNA the molecule of heredity
Monday	02/03/14	Gene expression and regulation
Wednesday	02/05/14	Biotechnology
Friday	02/07/14	Review
Monday	02/10/14	EXAM 1
Wednesday	02/12/14	Principle of evolution
Friday	02/14/14	Principle of evolution
Monday	02/17/14	No class: President Day
Wednesday	02/19/14	How populations evolve
Friday	02/21/14	The Origin of Species
Monday	02/24/14	The History of Life
Wednesday	02/26/14	The History of Life
Friday	02/28/14	Systematics, Seeking Order Amidst Diversity
Monday	03/03/14	Diversity of Prokaryotes and viruses
Wednesday	03/05/14	Diversity of Prokaryotes and viruses
Friday	03/07/14	Diversity of Protists
Monday	03/10/14	Diversity of Plants
Wednesday	03/12/14	Diversity of Plant/Plant Anatomy and Physiology
Friday	03/14/14	Diversity of Funqi
Monday	03/17/14	TBD

DAY	DATE	TOPIC
Wednesday	03/19/14	Review
Friday	03/21/14	EXAM 2
SPRING RECESS		03/24-03/28/14 NO CLASS
Monday	03/31/14	Animal Diversity (invertebrate)
Wednesday	04/02/14	Animal Diversity (invertebrate)
Friday	04/04/14	Animal Diversity (vertebrate)
Monday	04/04/14	Animal Diversity (vertebrate)
Wednesday	04/09/14	Animal behavior
Friday	04/11/14	Animal Anatomy
Monday	04/14/14	Circulation/Respiration
Wednesday	04/16/14	Nutrition and Digestion
Friday	04/18/14	Defense against Disease
Monday	04/21/14	Nervous System
Wednesday	04/23/14	Muscles and Skeleton
Friday	04/25/14	Reproduction and Development
Monday	04/28/14	TBD
Wednesday	04/30/14	Review
Friday	05/02/14	EXAM 3