



**Fall 2015 Syllabus**  
**Course Code: BI-101**

**I. Instructor Information**

Dr. Kandel  
 Adjunct faculty  
 Office: Henry 123B  
 Office hours: by appointment  
 Frederique.kandel@adjunct.chaminade.edu

**II. Course Information**

MWF  
 09:30AM - 10:20AM,  
 Henry Hall, Room L4

**III. Text:** Biology: Life on Earth, 10e Audesirk/Audesirk/Byers,  
**The textbook is not mandatory but access to the corresponding Mastering Biology is required**

**IV. Course Title:** General Biology BI-101-01-1 (also the course title in Mastering Biology). The course ID in Mastering is: BI101FALL15KANDEL

**V. Course Description:** This course introduces basic biological principles: heredity, biotechnology, evolution, life diversity.

**VI. Learning Outcomes.**

Student Learning Outcomes	Linkage to Biology Program Learning Outcomes
1) Understand the process of science.	<p>Ability to visualize and interpret scientific data, and to communicate science effectively both orally and in writing.</p> <p>An understanding of the chemical and physical principles that unite all life forms, and of biological organization at the molecular, cellular, tissue, organ, organism and systems level.</p>
2) Understand the basis of heredity.	
3) Understand the principles various techniques in modern biotechnology and be able to discuss the pros and con of applications such as genetic engineering.	
4) Understand what Evolution is (and as importantly, what it is not) and be familiar with our current understanding of the history of life on earth.	
5) Obtain an appreciation for life diversity.	
6) Be familiar with taxonomy and be capable of identifying some representative flora and fauna, especially of Hawaii.	

**VII. Course Elements/schedule (instructor may modify the schedule as needed).**

Week	Topic
1	Aug 24—Introduction Aug 26— What is life? Aug 28— Elements and molecules of life.
2	Aug 31— Elements and molecules of life Sep 02— Cellular reproduction Sep 04— Cellular reproduction
3	<b>Sep 07— Labor day (no class)</b> Sep 09— Cellular reproduction Sep 11— Pattern of inheritance: elements of Mendelian genetic.
4	Sep 14— Pattern of inheritance: elements of Mendelian genetic. Sep 16— Pattern of inheritance: elements of Mendelian genetic. Sep 18— DNA the molecule of heredity
5	Sep 21— Gene expression and regulation Sep 23— Gene expression and regulation Sep 25— Gene expression and regulation
6	Sep 28— Biotechnology Sep 30— Biotechnology Oct 02— Biotechnology
7	<b>Oct 05— Exam 1</b> Oct 07— Origin of species/Principle of evolution Oct 09— Origin of species/Principle of evolution
8	<b>Oct 12— Discoverers' Day (no class)</b> Oct 14— History of Life Oct 16— History of Life
9	Oct 19— History of Life Oct 21— Systematics, Seeking Order Amidst Diversity Oct 23— Diversity of Prokaryotes and viruses
10	Oct 26— Diversity of Prokaryotes and viruses Oct 28— Diversity of Protists Oct 30— Diversity of Protists
11	Nov 02—Diversity of Fungi (if time permits) Nov 04— Diversity of Animals (invertebrates) Nov 06— Diversity of Animals (invertebrates)
12	Nov 09— Diversity of Animals (invertebrates) <b>Nov 11— Veterans' Day (no class)</b> Nov 13— Diversity of Animals (vertebrates)
13	Nov 16— Diversity of Animals (vertebrates) Nov 18— Diversity of Animals (vertebrates) Nov 20— Diversity of Animals (vertebrates)
14	Nov 23—Diversity of plants Nov 25— Diversity of plants <b>Nov 27—Thanksgiving (no class)</b>
15	<b>Nov 30—Exam 2</b> Dec 02— Diversity of plants Dec 04— Diversity of plants/ Q & A session.
16	<b>Final Exam—December 07(?) Time: 11am -1pm</b>

## VIII. Grading Scale

A	Excellent	>90%
B	Good	>80%
C	Average	>70%
D	Below Average	>60%
F	Failure	<60%

## IX. Assignments and Grading

<u>Specific Assignment</u>	<u>Points</u>	<u>% Of Grade</u>	<u>Due Date</u>
Homework	100	25	As assigned in Mastering
Exam 1	100	25	10/5/15
Exam 2	100	25	11/30/15
Final (comprehensive)	100	25	12/07/15

## XI. Additional Departmental and University Policies

### 1. Electronic Devices

Use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes at Chaminade, unless specifically permitted by your instructor. Use of cellphones and music devices in laboratories is a safety issue. In addition, use of cellphones and music devices in any class is discourteous and may lead to suspicion of academic misconduct. Students who cannot comply with this rule will be asked to leave class and may be subject to laboratory safety violation fines. You will be asked to leave class and marked absent if you do not comply. This will negatively affect your grade. Please refer any questions to the Dean of Natural Sciences and Mathematics.

### 2. ADA Statement

2.1 Pursuant to several federal and state laws, including the Americans with Disabilities Act of 1990, as amended by the ADA Amendments Act of 2008, and Section 504 of the Rehabilitation Act of 1973, all qualified students with disabilities are protected from discrimination on basis of disability and are eligible for reasonable accommodations or modifications in the academic environment to enable them to enjoy equal access to academic programs, services, or activities. If a student would like to determine if they meet the criteria for accommodations, they should contact the Counseling Center at 808-735-4845 for further information.

### 3. Attendance

3.1 Students are expected to attend regularly all courses for which they are registered. Students should notify their instructors when illness or other extenuating circumstances prevents them from attending class and make arrangements to complete missed assignments. Notification may be done by emailing the instructor's Chaminade email address, calling the instructor's campus extension or by leaving a message with the instructor's division office (Natural Science and Math 1 (808) 440-4204). It is the instructor's prerogative to modify deadlines of course requirements accordingly. Any student who stops attending a course without officially **withdrawing** may receive a failing grade.

3.2 Unexcused absences equivalent to more than a week of classes may lead to a grade reduction for the course. Any unexcused absence of two consecutive weeks or more may result in being **withdrawn** from the course by the instructor, although the instructor is not required to **withdraw** students in that scenario. Repeated absences put students at risk of failing grades.

#### 4. Policy on Make-Up Tests

Make-Up test will be granted only in case of excused absence.

#### 5. Policy on Communication

5.1 The University provides a Chaminade email address for all students. Official Chaminade communications will be sent to the students' Chaminade email address and instructors will use only this email to communicate with students. It is the responsibility of the student to check their email frequently. Report email-related problems to the Helpdesk at 808-735-4855 or helpdesk@chaminade.edu.

#### 6. Laboratory Safety Information

The following guidelines are established to provide instructions in maintaining safety for students, staff, and faculty while using any of the science laboratories at Chaminade University. The Division of Natural Sciences and Mathematics (NSM), along with the University Environmental Safety Office are responsible for enforcing the regulations set forth in the current Student Handbook. Queries should be addressed to: Dean of Natural Sciences and Mathematics (808) 440-4204; Environmental Safety Officer (808) 739-4811

#### 7. Title IX Declaration

Chaminade University of Honolulu recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. Should you want to speak to a confidential source you may contact the following:

- Chaminade Counseling Center| 808 735-4845.
- Any priest serving as a sacramental confessor or any ordained religious leader serving in the sacred confidence role.

#### 8. Academic Honesty

Students are expected to have read and to abide by the "Student Rules of Conduct" which are available in your copy of Chaminade University's Student Handbook. Cheating in the form of plagiarism, collusion, deception and will not be tolerated and will negatively affect your grade.

#### **9. The instructor may modify elements of this syllabus according to the operational needs of the class.**