



**Fall 2015 Syllabus**  
**Course Code: BI-215-03-1**

**I. Instructor Information**

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

**II. Course Information**

MWF  
 10:30AM - 11:20AM,  
 Henry Hall, Room 223.

**III. Text:** ISBN-10: 0133447006, ISBN-13: 9780133447002

Reece, Jane and Lisa Urry, Michael Cain, Steven Wasserman, Peter Minorsky & Robert Jackson. Campbell Biology, 10 edition. Boston: Benjamin Cummings, 2013. **Mastering Biology is required**  
 The title and access of the website will be given in class after week one.

**IV. Course Title:** Cellular & Organismal Bio I      BI-215-03-1

**V. Course Description: Introduction to animal and plant diversity, with emphasis on form and function, mechanisms of regulation in biological systems, and how organisms exchange materials and energy with their environment.**

**VI. Learning Outcomes.**

Student Learning Outcomes	Linkage to Biology Program Learning Outcomes
Use proper anatomy and physiology terminology	#2) ability to visualize and interpret scientific data, and to communicate science effectively both orally and in writing. #4) 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.
Describe plant anatomy, organ systems and physiological processes	
Identify animals biological structures and body systems, describe how those body systems relate to each other and be able to explain their general anatomy and physiology	
Gain an appreciation of the diversity of organisms, their evolution, and phylogeny.	

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

Week	Date	Topic	Chapter
1	Aug 24 Aug 26 Aug 28	Introduction Introduction to Science and What is life? History of Life	25
2	Aug 31 Sep 02 Sep 04	History of Life Phylogeny Phylogeny	26
3	Sep 07 Sep 09 Sep 11	Labor day (no class) Protist/Plant diversity I Plant diversity I	28-29
4	Sep 14 Sep 16 Sep 18	Plant diversity II Plant diversity II Plant Structure, Growth & Develop.	30 35
5	Sep 21 Sep 23 Sep 25	Plant Structure, Growth & Develop. Angiosperm Reproduction & Biotechnology (overview) Plant Response to Internal & External Signals	38 39
6	Sep 28 Sep 30 Oct 02	Overview of Animal diversity Invertebrates Invertebrates	32 33
7	Oct 05 Oct 07 Oct 09	— <b>Exam 1</b> Vertebrates Vertebrates	34
8	Oct 12 Oct 14 Oct 16	Discoverers' Day (no class) Basic Principles of Animal Form & Function Animal Nutrition	40 41
9	Oct 19 Oct 21 Oct 23	Animal Nutrition Circulation & Gas Exchange Circulation & Gas Exchange	42
10	Oct 26 Oct 28 Oct 30	Immune system Immune system Immune system	43
11	Nov 02 Nov 04 Nov 06	Osmoregulation & Excretion Osmoregulation & Excretion Hormones & Endocrine System	44 45
12	Nov 09 Nov 11 Nov 13	Hormones & Endocrine System — Veterans' Day (no class) Hormones & Endocrine System	
13	Nov 16 Nov 18 Nov 20	Animal Reproduction & Development Animal Reproduction & Development Animal Reproduction & Development	46
14	Nov 23 Nov 25 Nov 27	Nervous System — <b>Exam 2</b> — Thanksgiving (no class)	47
15	Nov 30 Dec 02 Dec 04	Nervous System Nervous System Nervous System	
16	<b>Final Exam</b>	<b>Thursday, December 10, 2015</b> <b>Time: 11am to 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	11/25/15
Final (comprehensive)	100	25	12/10/15

## 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.**