

Summer II, 2013

## **BIOLOGY 206: CELLULAR & ORGANISMIC BIOLOGY II**

Mondays, Wednesdays, and Fridays 9:40 am - 12:50 pm

Clarence T.C. Ching Hall, Room 253

Professors: Richard Alvey, Chrystie Naeole, Lisa Duich Perry (2 weeks for each)

### **1<sup>st</sup> Two weeks:**

Richard Alvey

E-mail: [richard.alvey@chaminade.edu](mailto:richard.alvey@chaminade.edu) (Best way to reach me)

Personal Number 814-42-ALVEY (Personal number, 2<sup>nd</sup> best way to reach me)

Office Number: 808-739-8373 (Shared office number)

Office: Henry Hall, Room 123C

Office Hours: Monday, Wednesday, Friday 2:00pm to 3:00pm or by appointment

### **2<sup>nd</sup> Two weeks:**

Chrystie Naeole

E-mail: [chrystie.naeole@chaminade.edu](mailto:chrystie.naeole@chaminade.edu)

Office: Wesselkamper 105

Office Hours: By appointment

### **3<sup>rd</sup> Two weeks:**

Lisa Duich Perry

E-mail: [lperry2@chaminade.edu](mailto:lperry2@chaminade.edu)

Office Number: 808-440-4286

Office: Wesselkamper 106

Office Hours: By appointment

Textbook: *Biology: A Custom Edition for Chaminade University*, based on: Campbell Biology, 9e Reece et al. Menlo Park: Benjamin Cummings.

### **Course Overview:**

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

### **Course Goals:**

1. To present basic concepts and principles of biology for use in present and future courses.
2. To prepare the student to continue into advanced biology or related fields, such as biochemistry.
3. To help the student on their road to becoming a competent and educated professional.
4. To examine and analyze specific content areas, such as evolution, genetics, and physiology.
5. 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.
- ✓ Use anatomy and physiology terminology.
- ✓ Identify representative flora and fauna, especially of Hawaii.
- ✓ Understand the diversity of organisms, their evolution, and phylogeny.
- ✓ Understand how organism systems are related to each other and cellular level processes.
- ✓ Understand ecological relationships between organisms and environments.

**Lectures:**

1. Class time is 3hrs and 10 minutes in duration, three times weekly for 6 weeks.
2. Lecture topics are listed in the course outline. Consult the outline for exam dates and holidays.
3. Adjustments may be made to the lecture outline, such as changes in exam dates, or assignments.

**Grade Determination:**

- Separate grades will be given for lecture and laboratory.
- The course will be divided into 3 sections with an exam every 2 weeks.
- Quizzes may be given.
- Your final grade will consist of an average of your grade from each professor for each 2 week session.
- The lecture grade will be determined in the following manner:

1 <sup>st</sup> 2 weeks Alvey	100 points	A $\geq 90\%$
2 <sup>nd</sup> 2 weeks Naeole	100 points	B = 80-89%
3 <sup>rd</sup> 2 weeks Perry	100 points	C = 70-79%
		D = 60-69%
		F $\leq 59.9\%$
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Total Possible	300 points	

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. Attendance for laboratory is especially important and unexcused absences for both lecture and laboratory will result in grade penalties to be determined by the instructor.

- 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. Supporting 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](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.
- 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.

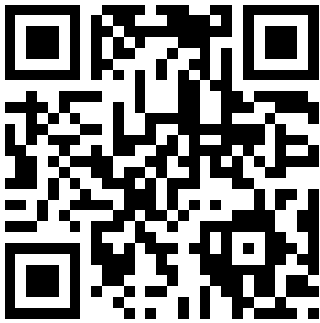
**BIOLOGY 206 CELLULAR & ORGANISMIC BIOLOGY II**  
**Summer II, 2013 Course Outline**

<b>Week</b>	<b>Class</b>	<b>Date</b>	<b>Lecture topic</b>	<b>Chapter</b>
1	1	7/1/13	Introduction: Syllabus and course outline, History of Life on Earth, Phylogeny	1,2
	2	7/3/13	Tree of life, Protists, Fungi	2,3,6
	3	7/5/13	Plant Diversity I: How Plants Colonized Land	4
2	4	7/8/13	Plant Diversity II: The Evolution of Seed Plants	5
	5	7/10/13	Plant Structure, Growth, and Development	10
	6	7/12/13	<b>Review, Exam #1, Lab Exam #1</b>	
3	7	7/15/13	An Overview of Animal Diversity, Animal Diversity I: Invertebrates	7, 8
	8	7/17/13	Invertebrates cont'd	8
	9	7/19/13	Animal Diversity II: Vertebrates	9
4	10	7/22/13	Vertebrates	9
	11	7/24/13	Basic Principles of Animal Form and Function	15
	12	7/26/13	<b>Exam #2, Lab Exam #2</b>	
5	13	7/29/13	Nutrition and Digestion	16
	14	7/31/13	Circulation/Respiration	17
	15	8/2/13	Defense against disease	18
6	16	8/5/13	Osmoregulation,	19
	17	8/7/13	Animal Reproduction, Sensory and Motor Mechanisms	21,25
	18	8/9/13	<b>Final Exam, Lab Exam #3</b>	

**Supplemental information just for Alvey's section:**

- All notes presented in class will be available for you to review at the following website:

<http://goo.gl/N9Nu9> (Capitalization is important with this address)



- In order to encourage you to keep up with the large amount of material and to give you an idea of the type of material and information your exam will cover, we will have a 10 question quiz every time we meet for lecture at the end of class.
- Your final grade from me will be calculated by taking your quiz average and averaging it with your exam 1:1. (50% of your grade will come from the exam and 50% will come from the quizzes).
- If your quiz grade is lower than your exam I will just use your exam average as your grade. This makes it so that your quizzes can only bring your score up and not down.
- Missed quizzes cannot be made up but I will not count the missed quiz against you if you provide me with a valid excuse note.