Summer II, 2012

BIOLOGY 206: CELLULAR & ORGANISMIC BIOLOGY II

Mondays, Wednesdays, and Fridays 9:40 am-12:50 pm
Wesselkamper Science Ctr, Room 120

Professor: Dr. Richard Alvey
E-mail: richard.alvey@chaminade.edu (Best way to reach me)
Personal Number 814-422-5839 (Personal number, 2nd best way to reach me)
Office Number: 808-739-8373 (Shared office number, do not leave messages)
Office: Henry Hall, Room 123C
Office Hours: Thursdays 1:30pm to 2:30pm or by appointment

As mentioned above, e-mail is the best way to reach me. I prefer to get e-mails from your chaminade.edu account. E-mail messages from other accounts regarding things like "What was the answer to number 7?" are OK, but I will not provide any personal grade information to any non-chaminade.edu e-mail accounts as I am unable to verify the identity of persons using other e-mail accounts.

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

Course Website: http://goo.gl/MYKBP

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 environment.

Lectures:
1. Class time is 3 hours and 10 minutes in duration, three times weekly for 7 weeks. Class will likely be broken up into 2 segments of 1 hour and 25 minutes with a 20 minute break in between. Lectures are accompanied by two laboratory periods of 3 hours and 10 minutes per week.
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.

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

- The lecture grade will be determined in the following manner:

1st lecture exam	100 points	A ≥90%
2nd lecture exam	100 points	B = 80-89%
3rd lecture exam	100 points	C = 70-79%
Daily Quizzes	100 points	D = 60-69%
		F ≤59.9%
Total Possible	400 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.

The quizzes that are given for each class period are intended to motivate you to keep up with the material. We will be covering a lot of material at a somewhat accelerated pace. The quizzes will also give you a sense of the types of questions I will be asking on the exams and provide me with a simple way to keep track of attendance and allow me to reward those who make it to class everyday. I encourage you to review the material from the previous lecture before class and come prepared with questions you may have on what was covered. Additionally, I am going to try out a "Second chance policy." If there are questions on the quiz that you feel you were not able to answer correctly, you can e-mail me your corrected answers before midnight the same day and receive half credit for what you missed. For instance if you correctly answered 8 out of 10 questions on the quiz but did not have a clue for two of the questions, you can look up the answers and email them to me later that day and, if your new answers are correct, I would give you an additional 0.5 points for each of the two missed questions which would result in you getting a 9 out of 10 instead of 8 out of 10. Keeping up with this for every quiz should help you to keep a high quiz average which may be particularly helpful if you find you are not the best test taker.

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**.

- 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, 2012 **Course Outline**

Week	Class	Date	Lecture topic	Chapter
1	1	7/2/12	Introduction: Syllabus and course outline, History of Life on Earth	1
	********** 7/4/12 No Class **********			
	2	7/6/12	Phylogeny and the Origins of Life on Earth, Protists	2,3
2	3		Plant Diversity I: How Plants Colonized Land	4
	4	7/11/12	Plant Diversity II: The Evolution of Seed Plants	5
	5	7/13/12	Plant Structure, Growth, and Development	10
4	6	7/16/12	**Review, Exam #1**	
	7	7/18/12	Fungi, Animal Diversity I: Invertebrates	7, 8
	8	7/20/12	Animal Diversity II: Vertebrates	9
5	9	7/20/12	Anatomy/Physiology: Organization of the body	15
	10	7/25/12	Nutrition and Digestion	16
	11	7/27/12	Circulation/Respiration	17
6	12	7/30/12	**Review, Exam #2**	
	13	8/1/12	Defense against disease	18
	14	8/3/12	Osmoregulation, Endocrine system, Nervous system, Senses	19,20
7	15	8/6/12	Animal Reproduction	21
	16	8/8/12	Animal Development	22
	17	8/10/12	**Review, Final Exam**	