

BIOLOGY 2010H  
GENERAL BIOLOGY I HONORS  
FALL, 2013

Sect. 001: MWF 8:30 - 9:20 Lect (BHC #128), T 10:30 – 1:20 Lab (BIO #414)

Sect. 002: MWF 10:30 - 11:20 Lect (BA1 #205), R 9:30 – 12:20 Lab (BIO #414)

Sect. 003: MWF 1:30 - 2:20 Lect (BHC #128), R 1:30 – 4:20 Lab (BIO #414)

**Instructor:** Dr. Elizabeth Harris

**Office:** BIO 202B

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**Office Hours:** MWF: 9:30-10:15 & 12:30-1:15 *or by appointment*

**Required books:**

--*Campbell Biology, 9<sup>th</sup> Edition* with Interactive CD-ROM. Reece, Jane B., Lisa A. Urey, Michael L. Cain, Steve A. Wasserman, Peter V. Minorsky and Robert B. Jackson. 2010. Benjamin/Cummings Publishing Company, Inc. (full edition hardcover OR custom published UCF 2010 only text softcover)

--Lab notebook: 3 ring binder with dividers (2 inch size preferred)

**Recommended:**

--*How to Study Science, 4<sup>th</sup> Edition*. Drewes, F., and K. Milligan. 2003.

--**Publisher's web site:** This is an incredible resource of material from our textbook publisher. You can take practice quizzes, download MP3 lectures and much more on this incredible site. You will need to enter your supplied access code that came with your new text to register. If you have a used book and have no access code, you may purchase one on-line as well at the same website:

<http://www.masteringbio.com/site>.

--**iTunes:** There are many free biology lecture podcasts available on iTunes for your iPod or iPhone. Go to the iTunes store, in the menu in the upper left box click on iTunes U. In the categories box click on Science and hold down to get the pull down menu and click on Biology and browse for an appropriate lecture. More are added all the time so keep checking!

--**iPhone apps:** Biology I Lite (free), STUDYBLUE Flashcards (free)

**Classroom Conduct:** By enrolling at UCF, all students have agreed to abide by the Golden Rule. Please become familiar with this document at: <http://www.goldenrule.sdes.ucf.edu/> Please also use common courtesy in class by arriving and departing on time, refraining from talking during class or texting. Audio recording of lectures is permitted. Taking pictures of the Powerpoint images on the projection screen with digital cameras or cell phones is not permitted. Students taking notes on laptops will be required to sit in one of the first three rows of the classroom and demonstrate their notes for their first 3 classes of laptop use. Students are responsible for all material and announcements presented in class (lecture and lab), whether they are present or not (so show up and be on time!).

**Grading:** students will receive one grade for BSC 2010H that combines the lecture and laboratory point totals. There will be 400 points available:

- best 4 out of 5 lecture exams (50 points/exam X 4 exams)                      200 points

- Lecture participation (includes presentations, quizzes and outside assignments) 100 points
- required cumulative final exam 100 points
- laboratory 100 points

The laboratory component will be based on participation, assignments/lab notebook, and a laboratory report. At the end of the semester, your score for each of the above components will be added together and converted to a percentage by dividing by the total number of points available (500).

Grades for the semester will be awarded using the following scale:

89.5-100% = A, 79.5-89.4% = B, 69.5-79.4% = C; 59.5-69.4% = D; 0-59.4% = F.

Drop/Swap deadline is Thursday, August 22. If you decide to withdraw from the course, please remember to officially do so by Monday, October 29 at 11:59 pm. No grades will be given over the phone or by email by anyone (FERPA regulations). The instructor reserves the right to hold pop quizzes or exercises in class at the time and form of her choosing. Grades from the quizzes will count as extra credit towards the final semester grade (10 point quiz maximum- added to total points, not to final percentage).

**Lecture Exams:** All exams will be based on BOTH lecture material and assigned readings. There will be five 50 minute, 40 question, multiple choice, lecture exams during the semester. There will also be a COMPREHENSIVE 3-hour, 100 question, multiple choice final exam. Please note that exams are not simply cut-and-paste from the book or other exams.

Your lecture exam point total will be based on the **best four out of five** lecture exam scores. If the student misses an exam for an excused event, that will be the dropped grade. If the student misses a second exam due to an excused event, make-up exams will be given en masse immediately following the final exam during the scheduled final exam period or at a mutually convenient time to be arranged. Everyone must take the final exam and the final exam grade will not be dropped. For all excused events, a student must present an excuse from an appropriate authority (doctor, police, judge, official UCF event such as a soccer game, etc.) within 24 hours of the start of the exam that was missed.

**Taking Exams:** You must take each exam in the section for which you are registered for the course. All exams will use machine-scored answer sheets that will be provided to each student. It is your responsibility to bubble in the scantron answers completely and erase clearly. You will need to bring a #2 pencil and your valid UCF Student ID card. Your name and PID number must be printed on the answer sheet and will be checked as you leave the exam. Language translators or dictionaries are not permitted.

Any person caught plagiarizing, using unauthorized materials in a test, copying off another paper or signing in for someone else on an exam or in any way misrepresenting their work will receive 0 points for the course and the matter will immediately be referred to the UCF disciplinary action committee.

**Reviewing Lecture Exams, Final Exam and Grades:** Scantrons will not be returned to students. However, they can be examined in the instructor's office during regularly scheduled office hours.

Each person will, however, get an individual test report sheet with all correct and incorrect responses marked on it. Test reports will be returned during your laboratory section. The final exam may be reviewed for a period of one month following the date grades are posted online. After that, no additional review will be allowed.

**Disability Access Statement:** The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate formats upon request. Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations. No accommodations will be provided until the student has met with the professor to request accommodations. Students who need accommodations must be registered with Student Disability Services, Student Resource Center Room 132, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.

**Laboratories:** The labs are an integral part of this course and students are required to attend ALL laboratory sessions in the Biology Building. More than one unexcused laboratory absence will result in 0/100 points for the laboratory portion of your grade for BSC 2010. (i.e. you are allowed **one and only one** unexcused absence **and** you will receive a "0" for that lab). For the most part, laboratory sessions cannot be made up. If you have a valid, documented reason for missing a laboratory session (from doctor, police, judge, official UCF event, etc.), you must contact me within 24 hours of the start of the lab. Attendance will be taken at the beginning of each lab. If you leave during a lab without permission, it will be considered an unexcused absence. It is advisable to wear old clothes to lab. Closed-toe shoes are required by OSHA regulations. All long hair must be pulled back and secured. After the first week, if you are not wearing closed toed shoes you will be asked to leave and an unexcused absence will be recorded. There will be no smoking, eating or drinking in the laboratory.

The 100 lab points will be distributed in the following manner:

Lab report draft	10
Lab report final version	20
Oral presentation	15
5 Quizzes @ 5 pts each	25
<u>Notebook</u>	<u>30</u>
Total	100

**Help & SARC:** Please ask for help if you need it! The professor is here to answer your questions. Additionally, there is help available through SARC (Student Academic Resource Center, Howard Phillips Hall, Room 113: 407-823-5130; [www.sarc.sdes.ucf.edu](http://www.sarc.sdes.ucf.edu)). SARC provides students with free individual and small-group tutoring for Biology 2010 and Supplemental Instruction (SI). SARC can also help with study skills workshops.

**Please read the assigned chapters listed below **before** coming to the lecture.**

**Disclaimer:** *The instructor reserves the right to make changes to the syllabus or other aspects of the course at anytime. These changes will be announced in class.*

**Tentative Schedule** (subject to change):

Please read the assigned chapters listed below **before** coming to the lecture!

<u>Lecture</u>	<u>Lab</u>
August 19: Course introduction	1. Scientific method/ <i>Daphnia</i>
August 21: Chapters 1, 2	
August 23: Chapters 2, 3	
August 26: Chapters 3, 4	<b>Labs cancelled/Football</b>
August 28: Chapters 4, 5	
September 1: Chapter 5	
September 2: <b>No class, UCF Holiday--Labor Day</b>	2. Absorption Spectrum/Solutions
September 4: <i>Current events discussion/movie</i>	
September 6: <b>Exam 1 (Chapters 1 – 5)</b>	
September 9: Chapter 6	3. Spectrophotometry
September 11: Chapter 7	
September 13: Chapters 7, 8	
September 16: Chapter 8	4. Enzyme Activity experiment
September 18: <i>Current events discussion/movie</i>	
September 20: <b>Exam 2 (Chapters 6 – 8)</b>	
September 23: Chapter 9	5. Student Powerpoint Presentations
September 25: Chapter 9	
September 27: Chapter 10	
September 30: Chapter 10	6. Electrophoresis I/Lab report draft due
October 2: Chapter 12	
October 4: Chapter 12	
October 7: <i>Current events discussion/movie</i>	7. Electrophoresis II
October 9: <b>Exam 3 (Chapters 9, 10, 12)</b>	
October 11: Chapter 13	
October 14: Chapter 13/ Chapter 14	8. Electro Interpret/ Fly set-up/Lab Draft returned
October 16: Chapter 14	
October 18: Chapter 14/Genetics problems	
October 21: Chapter 15	9. Mitosis
October 23: Chapter 15	
October 25: <i>Current events discussion/movie</i>	

October 28: **Exam 4 (Chapters 13 - 15)**  
October 30: Chapter 16  
November 1: Chapter 16

10. Fly offspring & fly chromosome squashes /  
Final Lab Report due

November 4: Chapter 17  
November 6: Chapter 17  
November 8: Chapter 22

11. Human Phenotypes

November 11: **No Class, UCF Holiday--Veteran's Day** 12. DNA Replication  
November 13: Chapter 22  
November 15: *Current events discussion/movie*

November 18: Chapter 23  
November 20: Chapter 23  
November 22: *Current events discussion/movie*

**Labs cancelled/Football**

November 25: **Exam 5 (Chapters 16, 17 & 22)**  
November 27: *Class canceled*  
November 29: **No Class, UCF Holiday--Thanksgiving Holiday**

**Labs cancelled/ Turn in Lab notebook  
to Dr. Harris' office BIO 202B**

December 2: *Current events discussion/movie*

**Final Exam:**

Section 1: Wednesday, 12/4 7:00 am - 9:50 am  
Section 2: Monday, 12/9 10:00 am - 12:50 pm  
Section 3: Monday, 12/9 1:00 pm - 3:50 pm