

BIOLOGY 2010H
GENERAL BIOLOGY I HONORS
FALL, 2014

Sect. 001(0203): MWF 8:30 - 9:20 Lect (BA1 #0205), R 8:30 – 11:20 Lab (BIO #414)
Sect. 002(0204): MWF 11:30 - 12:20 Lect (BA1 #0209), T 10:30 – 1:20 Lab (BIO #414)
Sect. 003(0205): MWF 1:30 - 2:20 Lect (BA1 #0214), R 12:30 – 3:20 Lab (BIO #414)

Lecture Instructor: Dr. Elizabeth Harris

Office: BIO 301C

Phone: 407 823-1538

Email: elizabeth.harris@ucf.edu, emharris@mail.ucf.edu

Office Hours: MW: 10-11, T: 12-2 *or by appointment*

Lab Instructor: Dr. Cynthia Bayer

Office: BIO 439

Phone: 407 823-1460

Email: cynthia.bayer@ucf.edu

Office Hours: WF: 1-3

Required materials:

--*Campbell Biology, 10th Edition* with Interactive CD-ROM. Reece, Jane B., Lisa A. Urey, Michael L. Cain, Steve A. Wasserman, Peter V. Minorsky and Robert B. Jackson. 2014. Benjamin/Cummings Publishing Company, Inc.

-- *Campbell: Mastering Biology*: This is an incredible resource of material from our textbook publisher. You can take practice quizzes, download MP3 lectures and much more. 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>.

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

Recommended:

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

-- **--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)

As of Fall 2014, all faculty members are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes, or as soon as possible after adding the course, but no later than August 27. Failure to do so will result in a delay in the disbursement of your financial aid. Your online assignment is: the **Syllabus Quiz**.

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 after class. 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 homework assignments) 100 points
- Required cumulative final exam 100 points
- Laboratory Grade 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 21. If you decide to withdraw from the course, please remember to **officially** do so by Monday, October 27 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.

Lecture Exams: All exams will be based on BOTH lecture material and assigned readings. There will be five 50 minute, 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 get an individual test report sheet with all correct and incorrect responses marked on it. 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 Dr. Bayer 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	10
Oral presentation	10
Quizzes & Participation	40
<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). 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 18: Course introduction	1. Scientific method/ <i>Daphnia</i>
August 20: Chapters 1, 2	
August 22: Chapters 2, 3	
August 25: Chapters 3, 4	2. Solutions/Dilutions/Spectrophotometry
August 27: Chapters 4, 5	
August 29: Chapter 5	
September 1: No class, UCF Holiday--Labor Day	3. Standard Curve Hemoglobin
September 3: <i>Current events discussion</i>	
September 5: Exam 1 (Chapters 1 – 5)	
September 8: Chapter 6	4. Enzyme Activity experiment
September 10: Chapter 7	
September 12: Chapters 7, 8	
September 15: Chapter 8	5. Student PowerPoint Presentations
September 17: <i>Current events discussion</i>	
September 19: Exam 2 (Chapters 6 – 8)	
September 22: Chapter 9	6. Electrophoresis I/Lab report draft due
September 24: Chapter 9	
September 26: Chapter 10	
September 29: Chapter 10	7. Electrophoresis II
October 1: Chapter 12	
October 3: Chapter 12	
October 6: <i>Current events discussion</i>	8. Mitosis/Lab Draft returned
October 8: Exam 3 (Chapters 9, 10, 12)	
October 10: Chapter 13	
October 13: Chapter 13/ Chapter 14	9. Mendelian Genetics in <i>Drosophila</i>
October 15: Chapter 14	
October 17: Chapter 14/Genetics problems	
October 20: Chapter 15	10. Human Phenotypes/ Final Lab Report due
October 22: Chapter 15	
October 24: <i>Current events discussion</i>	

October 27: **Exam 4 (Chapters 13 - 15)**

October 29: Chapter 16

October 31: Chapter 16

November 3: Chapter 17

November 5: Chapter 17

November 7: Chapter 19

November 10: Chapter 19

November 12: *Current events discussion*

November 14: Chapter 22

November 17: Chapter 22

November 19: Chapter 23

November 21: Chapter 23

November 24: **Exam 5 (Chapters 16, 17, 19 & 22)**

November 26: Class cancelled

November 28: **No Class, UCF Holiday--Thanksgiving Holiday**

December 1: *Current events discussion*

Final Exam:

Section 1: Wednesday, 12/3 7:00 am - 9:50 am

Section 2: Monday, 12/3 10:00 am - 12:50 pm

Section 3: Monday, 12/8 1:00 pm - 3:50 pm

11. *Drosophila* Polytene chromosomes

12. DNA Replication

No labs, UCF Holiday--Veteran's Day/

Lab Notebooks due

13. Lab Survey & Notebooks returned