

BIOLOGY 2010C-HONORS
GENERAL BIOLOGY I
FALL, 2015

Sect. 001(0203): MWF 8:30 - 9:20 Lect (BHC #128), R 8:30 – 11:20 Lab (BIO #211)
Sect. 002(0204): MWF 11:30 - 12:20 Lect (BIO #0212), T 10:30 – 1:20 Lab (BIO #211)
Sect. 003(0205): MWF 1:30 - 2:20 Lect (BHC #0128), R 12:30 – 3:20 Lab (BIO #211)

Lecture & Lab Instructor: Dr. Elizabeth Harris, elizabeth.harris@ucf.edu
Office: BIO 102A **Phone:** 407 823-1538

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

Lab GTA: Hester Dingle, hester.dingle@knights.edu

Office: BIO 310

Office Hours: *by appointment*

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>. *You will be given the necessary code in lecture to access your specific course site.*

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

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 28. Failure to do so will result in a delay in the disbursement of your financial aid. Your online assignment on WebCourses 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 and on-line assignments, see WebCourses for details) 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 27. If you decide to withdraw from the course, please remember to **officially** do so by Monday, November 2nd 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. Harris 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
Quizzes	25
Attendance/participation	20
<u>Notebook</u>	<u>20</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 (T or Th)</u>
August 24: Course introduction	1. Scientific method/ <i>Daphnia</i>
August 26: Chapters 1, 2	
August 28: Chapters 2, 3	
August 31: Chapters 3, 4	No labs due to Football Game
September 2: Chapters 4, 5	
September 4: Chapter 5	
September 7: No class, UCF Holiday--Labor Day	2. Solutions/Dilutions/Spectrophotometry
September 9: <i>Current events discussion</i>	
September 11: Exam 1 (Chapters 1 – 5)	
September 14: Chapter 6	3. Standard Curve Hemoglobin
September 16: Chapter 7	
September 18: Chapters 7, 8	
September 21: Chapter 8	4. Enzyme Activity experiment
September 23: <i>Current events discussion</i>	
September 25: Exam 2 (Chapters 6 – 8)	
September 28: Chapter 9	5. Student writing peer review
September 30: Chapter 9	
October 2: Chapter 10	
October 5: Chapter 10	6. Electrophoresis I/Lab report first draft due
October 7: Chapter 12	
October 9: Chapter 12	
October 12: <i>Current events discussion</i>	7. Electrophoresis II
October 14: Exam 3 (Chapters 9, 10, 12)	
October 16: Chapter 13	
October 19: Chapter 13/ Chapter 14	8. Mitosis Lab/First Draft returned
October 21: Chapter 14	
October 23: Chapter 14/Genetics problems	
October 26: Chapter 15	9. Mendelian Genetics in <i>Drosophila</i>
October 28: Chapter 15	
October 30: <i>Current events discussion/Genetics problems due</i>	

November 2: **Exam 4 (Chapters 13 - 15)**

November 4: Chapter 16

November 6: Chapter 16

10. Human Phenotypes/

Final Draft Lab Report due

November 9: Chapter 17

November 11: **UCF Holiday--Veteran's Day**

November 13: Chapter 19

11. *Drosophila* Polytene chromosomes

November 16: Chapter 19

November 18: *Current events discussion*

November 20: Chapter 22

12. DNA Replication

November 23: Chapter 22

November 25: Class cancelled

November 27: **No Class, UCF Holiday--Thanksgiving Holiday**

Lab Notebooks due

November 30: **Exam 5 (Chapters 16, 17, 19 & 22)** 13. Lab Survey & Notebooks returned

December 2: Chapter 23/Hardy Weinberg problems

December 4: Chapter 23

December 7: *Current events discussion*/Hardy Weinberg Problems returned

Final Exam:

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

Section 2: Wednesday, 12/9 10:00 am - 12:50 pm

Section 3: Monday, 12/14 1:00 pm - 3:50 pm