

BIOLOGY 2010C-HONORS
GENERAL BIOLOGY I
FALL, 2017

Sect. 001(0203): MWF 8:30 - 9:20 Lect (BHC #126), R 8:30 – 11:20 Lab (BIO #211)
Sect. 002(0204): MWF 11:30 - 12:20 Lect (BA1 #126), T 10:30 – 1:20 Lab (BIO #211)
Sect. 003(0205): MWF 1:30 - 2:20 Lect (BHC #131), 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: Iris Fang, iris.fang@knights.ucf.edu
Office Hours: *by appointment*

Required materials:

- Campbell Biology, 11th Edition*. Urey, Lisa A., Michael L. Cain, Steve A. Wasserman, Peter V. Minorsky and Jane B. Reece. 2017. Pearson Publishing Company, Inc.
- *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. You may purchase one on-line as well at the same website: <http://www.pearsonmylabandmastering.com/>. *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 25. 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** (worth 2 pts.).

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, video is not. Taking pictures of the Powerpoint images on the projection screen with digital cameras or cell phones is 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 encouraged to create and collaborate on a Google Doc for class notes. 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 1,000 total points available:

- Best 4 out of 5 lecture exams (100 points/exam x 4 exams) 400 points
- Lecture participation (includes attendance, presentations, quizzes) 100 points

• Mastering Biology Online Homework (20 @ 10 pts each)	200 points
• Cumulative final exam	100 points
• <u>Laboratory Grade</u>	<u>200 points</u>
• Total	1,000 points

The laboratory component will be based on participation, assignments/lab notebook, and a laboratory report (see breakdown below). At the end of the semester, your score for each of the above components will be added together and converted to a percentage.

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

89.5-100% = A	or 895.5 total points
79.5-89.4% = B	or 795.5 to 895.4 total points
69.5-79.4% = C	or 695.5 to 795.4 total points
59.5-69.4% = D	or 595.5 to 695.4 total points
0-59.4% = F	or less than 595.4 points

Drop/Swap deadline is Thursday, August 24. If you decide to withdraw from the course, please remember to **officially** do so by Monday, October 30 at 11:59 pm.

PLEASE NOTE: No grades will be given over the phone or by email (FERPA regulations).

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. The instructor reserves the right to hold pop quizzes or exercises in class at the time and in the form of her choosing.

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 a student misses a second exam due to an excused event, make-up exams will be given at a mutually convenient time. The makeup arrangement must be made within 24 hours of the missed exam, either verbally or via email. Everyone must take the final exam and the final exam grade will not be dropped. For all excused events/assignments/exams, a student must present a hard copy 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 event 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. 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 should 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** due to an 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 (this includes gum chewing and water bottles).

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

Lab report draft	20
Lab report final version	40
Quizzes	50
Attendance/participation	40
<u>Notebook</u>	<u>40</u>
Total	200

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.

Disclaimer: *The instructor reserves the right to make changes to the syllabus or other aspects of the course at any time. 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 and HW</u>
August 21: Course introduction	1. Scientific method/ <u>Daphnia</u>
August 23: Chapters 1, 2	
August 25: Chapters 2, 3	
August 28: Chapters 3, 4	NO LABS, <i>Intro, Ch. 1 & 2 HW due</i>
August 30: Chapters 4, 5	
September 1: Chapter 5	<i>Chs. 3-5 HW due</i>
September 4: No class, UCF Holiday--Labor Day	2. Solutions/Dilutions/Spectrophotometry
September 6: <i>Current events discussion</i>	
September 10: Exam 1 (Chapters 1 – 5)	
September 11: Chapter 6	3. Standard Curve Hemoglobin
September 13: Chapter 7	<i>Ch. 6 HW due</i>
September 15: Chapters 7, 8	<i>Ch. 7 HW due</i>
September 18: Chapter 8	4. Enzyme Activity experiment <i>Ch. 8 HW due</i>
September 20: <i>Current events discussion</i>	
September 22: Exam 2 (Chapters 6 – 8)	
September 25: Chapter 9	5. Writing workshop/peer and instructor review
September 27: Chapter 9	<i>Ch. 9 HW due</i>
September 29: Chapter 10	
October 2: Chapter 10	6. Electro I/LabReport 1st draft/ <i>Ch. 10 HW due</i>
October 4: Chapter 12	
October 6: Chapter 12	<i>Ch. 12 HW due</i>
October 9: <i>Current events discussion</i>	7. Electrophoresis II
October 11: Exam 3 (Chapters 9, 10, 12)	
October 13: Chapter 13	
October 16: Chapter 13/ Chapter 14	8. Mendelian Genetics of <u>Drosophila</u> /1st Draft back, <i>Ch. 13 HW due</i>
October 18: Chapter 14	
October 20: Chapter 14/Genetics problems	<i>Ch. 14 HW due</i>
October 23: Chapter 15	9. Mitosis Lab
October 25: Chapter 15	<i>Ch. 15 HW due</i>
October 27: <i>Current events discussion</i> /Genetics problems due	

October 30: Exam 4 (Chapters 13 - 15)	10. <u>Drosophila</u> Polytene chromosomes /Final
November 1: Chapter 16	Draft Lab Report
November 3: Chapter 16	<i>Ch. 16 HW due</i>
November 6: Chapter 17	11. Human Phenotypes
November 8: Chapter 17/19	<i>Ch. 17 HW due</i>
November 10: UCF Holiday--Veteran's Day	
November 13: Chapter 19	12. DNA Replication/Lab Notebooks due/ <i>Ch.</i>
November 15: <i>Current events discussion</i>	<i>19 HW due</i>
November 17: Chapter 22	
November 20: Chapter 22	NO LABS, <i>Ch. 22 HW due</i>
November 22: Class cancelled	
November 24: No Class, UCF Holiday--Thanksgiving Holiday	
November 27: Exam 5 (Chapters 16, 17, 19 & 22)	13. Lab Survey & Notebooks returned
November 29: Chapter 23/Hardy Weinberg problems	
December 1: Chapter 23	<i>Ch. 23 HW due</i>

Final Exam:

Section 1: Wednesday, 12/6 7:00 am - 9:50 am
 Section 2: Wednesday, 12/6 10:00 am - 12:50 pm
 Section 3: Monday, 12/4 1:00 pm - 3:50 pm