

Lecture: TR 11:20-12:35 HWW 217

Instructor: Heather Pritchard

Office Hours TBA or By appointment; email: pritchardh@cofc.edu

Course Description: This is a non-science majors' course, which will provide a background for understanding and evaluating contemporary topics in biology and societal/environmental issues. The course emphasizes cellular and molecular concepts, including biochemistry, cell structure and function, respiration, photosynthesis, genetics and molecular biology. An understanding of methods, history, and dynamic nature of science will also be emphasized.

Required Course Materials:

1. **TEXT BOOK or E book:** *Biology: Concepts and Applications*, 8th or 9th Edition, Starr, Evers & Starr, 2008.
2. **Electronic device:** computer, ipad, phone for **Poll Everywhere** points. This is only to be used for purposes at the designated times!!!!!!

Co-requisite:

Biology 101 lab. Labs start January 11th. Missing two labs will result in being dropped from the course.

Learning Objectives:

1. Identify and use basic vocabulary of chemistry, cellular biology, inheritance, cell structure and function.
2. Reiterate key cellular processes.
3. Relate cellular biology topics to human health and environmental/societal issues.
4. Demonstrate oral and computational skills
5. Demonstrate the ability to work as part of a team.

Assessment:

1. Exams: there will be 3 regular class exams and 1 final exam
2. OAKS quizzes: there will running quizzes throughout the semester. These will be developed by different groups during the semester.
3. Group Presentation: Each group will be assigned a class topic in which they will develop an "entertaining biologically based presentation"
4. Group evaluations: Each group member will evaluate all group members on participation in quiz development and presentation participation.

Percentages for Lecture:

Exams (3): 45%

Quizzes: 6%

Group Presentation: 3.5%

2008.

classroom

Group Evaluations: 3.5%

Final Exam: 17%

Lecture is worth 75% of your final grade. Laboratory is worth 25%. Your lab instructor will outline assignments for lab

Poor performance on any exam can hurt your grade. Be prepared for each exam. Please see me or use your campus resources if your exam performance is below your expectation.

GRADING SCALE

93-100% = A, 90-92% = A-, 88-89% = B+, 83-87% = B, 80-82% = B-, 78-79% = C+ 73-77% = C, 70-72% = C, -68-69%=D+, 63-67%=D, 60-62%=D-

Exams:

1. Exams will be multiple choice at 2 points each. There will be 50 questions per exam, none are cumulative (except final: 75% new material, 25% comprehensive). Test answers will be returned within a few days and the test will be available to view and return in the classroom the week following the test as well as in my office for reviewing any incorrect test answers.
2. **Missing Exams:** Students must provide a valid documented excuse from the Undergraduate Dean's Office for missing Exams. Acceptable excuses include illness, personal tragedy, or circumstances beyond the student's control (This does not include oversleeping on exam day). Anyone missing an exam without an acceptable excuse will receive a grade of zero. Those students with documented excuses must make-up missed exams within a week of the missed test. After one week, any make-ups will be given the day of the final exam.

OAKS quizzes: I will open an OAKS quiz each week. Each quiz will have a ten minute time limit. You will have 2 times to take the quiz, the highest score will be your quiz score. There will be 10-12 quizzes during the semester, the lowest two scores will be dropped.

Course Grade: You get what you get and don't throw a fit. Everything counts, nothing is dropped, and the only extra credit is described below.

Group work: You will be divided into groups of 4-6 students.

1. **Quiz development:** In rotation, each group will be assigned with developing a quiz of 5-6 multiple choice questions for the following quiz. These questions should be put in your group dropbox on OAKS before the next class period. I will then use 5 or more of the posed quiz questions for student quiz credit, using **OAKS** to answer the questions.
2. **Group Presentation:** Next as a group, you will give a unique presentation concerning a topic related to class/text information. You may use magazine articles, newspaper articles, basic chapter material, movies, nature shows, anything that relates to the class/chapter information. The presentation may be in the form of a commercial, soap opera, song, debate, or other formats that are okay'd by me. A proposal for intended presentation is due week 7 on Thursday, **February 18th**, **presentations begin March 17th**. The presentation should involve all group members at some level: development, production, etc. Each group will be given an

assessment sheet to grade each group member on involvement with the project and this will be part of your group grade. The presentation will be done in front of the class or can be posted to youtube etc., for viewing in class. These presentations will begin after spring break and must be 1-5 minutes in length. This is really for pure fun in involving yourself within the group and looking into course information on a different level. The class as a whole will grade your performance using Poll Everywhere. All assessments by classmates will be anonymous.

- 3. Scavenger Hunts:** see extra credit below.

Extra Credit:

- 1. Attendance points:** You will need to be registered with **poll everywhere**. <https://www.polleverywhere.com/register?p=2a2b-qcty>. To use poll everywhere you will need a phone to text answers or a computer to use the server. Use your first and last name and the phone number of the phone you will be using if you will be texting your answers. If you are using the campus wifi service you will need to login at PolLEV before class with your established login info. This service will be used to answer in class questions or **exit ticket** questions which will result **attendance/bonus** point accumulation. To receive credit for these "questions" at the beginning and throughout each class you will need your electronic device. Attendance questions will not be given on test days. If you are in attendance for 60% of the attendance points you will receive 10 extra credit points to be added to overall class points. If you are not in the classroom and you are caught accruing points (i.e. cheating), all attendance points will be dropped and no further points will be accrued. Academic dishonesty is not allowed in my classroom, this would be a Class 3 violation.
- 2. Scavenger Hunts:** 3 scavenger hunts will be assigned during the semester. Pictures of items will need to be submitted with group members in pics to obtain points for the hunt. These pictures will need to be submitted in the OAKS dropbox by the submission date to receive points. Each will be worth 5 points.
- 3.** All extra credit points will be **limited** to 25 points overall. And there will be **no** other extra credit options in the semester.

Extra Help: Center for Student Learning located on the 1st floor of the library is there to help you!

Study Skills Seminars: occur weekly. *Tutoring:* Individual tutoring is available on an appointment basis. Students have access to 2 hours of free tutoring per week. Phone: 953-5635

The Honor Code: The Honor Code specifically forbids lying, cheating, attempted cheating, stealing, attempted stealing and plagiarism. Students at the College are bound by honor and by their acceptance of admission to the College to abide by the Code and to report violations. Please review the Honor Code in the student handbook.

The Classroom Code of Conduct (from the President's Advisory Committee) covers specific principles of civil conduct expected in a college classroom: Student Handbook. All incidences must be reported to the Student Affairs Office. <http://studentaffairs.cofc.edu/honor-system/studenthandbook/index.php>

My Class Rules

1. DO NOT TALK WHEN I AM LECTURING! (This includes instant messaging and passing notes!) Please be respectful of me and the students around you while in my classroom
2. TURN OFF cell phones, pagers, PDAs, iPods and anything with alarms before coming into my class. If you forget to do so you may be asked to leave and not to return that class period.
3. Please be attentive and participate with questions about the material.
4. If you have the flu or strep do not come to class!!!!!!!

TENTATIVE SYLLABUS
Subject to change

Week	Dates	Material to be covered
1	January 7	Intro Chapter 1
2	January 12, 14 Labs Begin 11th!!	Ch. 1 Chapter 2 Chemical Basis of Life OAKS quizzes begin
3	January 19,21 MLK day 18th, college closed	Chapter 3 Molecules of Life
4	January 26, 28	Chapter 3 contd.
5	February 2,4	Test 1 Tuesday Chapter 4 Cell Structure and Function
6	February 9, 11	Chapter 4 Chapter 5 Membranes and Metabolism
7	February 16, 18	Chapter 7 Cellular Respiration <i>Presentation Proposal Due 18th</i>
8	February 23, 25	Chapter 7 Chapter 6 Photosynthesis
9	March 1, 3	Test 2 Tuesday Chapter 6 Photosynthesis Chapter 11 Cell Reproduction
	March 6-13	Spring Break!
10	March 15, 17	Chapter 11 Contd Chapter 12 Meiosis

	Last day to withdraw with "W" 18th	<i>Group Presentations</i>
11	March 22,24	Chapter 13 Mendel and Genes <i>Group Presentations</i>
12	March 29, 31	Test 3 Tuesday Chapter 14 Human Inheritance <i>Group Presentations</i>
13	April 5, 7	Chapter 8 DNA <i>Group Presentations</i>
14	April 12,14	Chapter 9 From Gene to Protein <i>Group Presentations</i>
15	April 19,21	Chapter 10 Gene control Chapter 15 DNA technology
16	April 28th	Final 8-11

The above itinerary is strictly tentative. The instructor reserves the right to make changes in any of this information during the semester if necessary.

If there is a student in this class who has a documented disability and has been approved to receive accommodations through SNAP Services, please feel free to come and discuss this with me during my office hours. If you have a documented disability that may have some impact on your work in this class and for which you may require accommodations, please see an administrator at the Center of Disability Services, (843) 953-1431 so that such accommodation may be arranged.

Please contact me and feel free to come by with any questions or concerns you may have. Have fun☺!