Fall 2015
Ms. Heather Pritchard
Concepts and Applications in Biology I
102
101.05
Phone: 953-0783
MWF 12:30-1:20am
pritchardh@cofc.edu
HWW 213
hours: after class WF or by apt.

Instructor:
Office: 65 Coming Street, rm.

Required Course Materials
Electronic device: computer, iPad, phone for Poll Everywhere quizzes. 0MG. This is only to be used for classroom purposes at the designated times!!!!!!

Learning Objective:
1. Identify and use vocabulary associated with cell biology, including chemistry.
2. Relate topics discussed to environmental issues.
3. Demonstrate the ability to work as part of a team.
4. Demonstrate development in written, oral and computational skills

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.

Co-requisites: 101 Lab If you take one, you must take the other. If you don’t take one, you aren’t taking the other. Lab books are required and may be purchased at the bookstore. Labs begin August 31st.

Attendance: Lecture attendance is strongly recommended in order to gain as much as possible from the course material. Attendance is required for lecture exams and presentations. You are responsible for all material presented in class. If you are absent it is your responsibility to obtain class material missed. October 29th is the last day to drop with a grade of W.

GRADE:
Three exams = 45%
Group work: Quiz Development, Quizzes, and Presentation = 13%
(Quizzes 6%, presentation 3.5%, group assessment 3.5%)
Final exam = 17%
Lab = 25%

(Quizzes)*0.06 + (group presentation)*0.035 + (group assessment) *0.035+ (3 Exam avg.)*0.45 + (Final exam)*0.17 +(Lab avg)*0.25= Final grade

GRADING SCALE

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>93-100%</td>
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<tr>
<td>A-</td>
<td>90-92%</td>
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<tr>
<td>B</td>
<td>83-87%</td>
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<td>B-</td>
<td>80-82%</td>
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<td>C</td>
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<td>70-72%</td>
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<td>D</td>
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<tr>
<td>D-</td>
<td>60-62%</td>
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<tr>
<td>F</td>
<td>59 or below</td>
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About Exams: 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.

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.

Group work: You will be divided into groups of 4-6 students. In rotation, each group will be assigned with developing a quiz of 5-6 multiple choice questions for the following day. These questions should be emailed to me before the next class period. I will then use 5 or more of the posed quiz questions for student quiz credit, using Poll Everywhere to answer the questions. Groups may work together to answer the questions during class, but all questions must be answered individually. If you do not have an electronic device the day of the quiz you cannot answer the questions and will not receive credit for the quizzes even if your group developed the questions.

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/text 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 5 on Friday, September 19th, presentations begin Oct. 9th. 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 around the 7th week of class 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.

Attendance points: You will need to be registered with poll everywhere. https://www.pollev everywhere.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 PolleEV 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 or quiz days. The max attendance points allowed will be 25 points. Any accrued points will be divided equally between all four scheduled exams. You must be in the actual classroom to receive the attendance 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.
Class quizzes: I will give a poll EV quiz every Wednesday (excluding test days) typically at the beginning of that class period (10 min. time limit). 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 are the randomized exit ticket/attendance input.

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/honorsystem/studenathandbook/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

<table>
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<tr>
<th>Week</th>
<th>Dates</th>
<th>Material to be covered</th>
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| 1    | August 25,28           | Intro
|      |                        | Chapter 1                                                   |
| 2    | August 31             | Chapter 2 Chemical Basis of Life                            |
|      | September 2, 4        | Poll Everywhere Quizzes Begin!!! (every Wednesday)          |
|      | Labs Begin 31st       |                                                             |
| 3    | September 7, 9, 11    | Chapter 3 Molecules of Life                                 |
| 4    | September 14, 16, 18  | Chapter 3 contd.                                            |
| 5    | September 21, 23, 25  | **Test 1 Monday** Chapter 4 Cell Structure and Function |
|      |                        | Presentation Proposal Due                                   |
| 6 | September 28, 30  
October 2 | Chapter 5 Membranes and Metabolism |
|---|---|
| 7 | October 5, 7, 9  
1st Group Presentations | Chapter 7 Cellular Respiration  
1st Group Presentations |
| 8 | October 12, 14, 16  
Test 2 Wednesday  
Chapter 6 Photosynthesis  
Group Presentations | Fall Break  
Chapter 6 Photosynthesis  
Chapter 11 Cell Reproduction  
Group Presentations |
| 9 | October 19  
October 21, 23 | Last day to withdraw with "W" 29th  
Chapter 11 Contd  
Chapter 12 Meiosis  
Group Presentations |
| 10 | October 26, 28, 30 | Chapter 11 Contd  
Chapter 12 Meiosis  
Group Presentations |
| 11 | November 2, 4, 6 | Chapter 13 Mendel and Genes  
Test 3 Wednesday  
Chapter 13 contd.  
Group Presentations |
| 12 | November 9, 11, 13 | Chapter 14 Human Inheritance  
Group Presentations |
| 13 | November 6, 18, 20 | Chapter 8 DNA  
Group Presentations |
| 14 | November 23 | Chapter 9 From Gene to Protein  
Thanksgiving Holidays |
| 15 | November 30  
December 2, 4 | Chapter 10 Gene control  
Chapter 15 DNA technology  
Group Presentations |
| 16 | December 7  
December 8  
December 11 | Wrap up with Last Class  
Reading Day  
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!