

Syllabus

Biology 102.04: Concepts and Applications

Spring 2018

Lecture: TR 3:05-4:20 SSMB 129

Instructor: Heather Allen "Pritchard"

Office Hours Online office hours will be announced or you can see me after class or set up an appointment as needed; email: pritchardh@cofc.edu

TEXT BOOK or E book: *Biology: Concepts and Applications* 9th Edition, Starr, Evers & Starr, 2008.

Co-requisite:

Biology 102 lab. Labs start January 22nd. You must have a lab manual for admission to lab. Missing two labs will result in being dropped from the course.

Course Description:

This is a non-majors biology class that focuses on life at the organismal level. Topics include evolution, ecology, biodiversity, anatomy and physiology of plants and animals. Most weeks will include an online component in addition to in classroom lecture and activities.

Learning Objectives:

1. Identify and use basic vocabulary of evolution, ecology, conservation biology, anatomy and physiology of plants and animals and biodiversity.
2. Reiterate key biological processes listed above.
3. Relate biology 102 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 for Lecture (75%):

Quizzes (8): 60%

Group Work: 5%

Discussion Board: 2%

Final Exam: 8%

Lab: 25%

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.

Assessment Detail:

1. Quizzes: there will be 9 OAKS quizzes. You must have your computer to take the exams. Quizzes will be open at the beginning of class at 3:05 whether online or in the classroom. Each quiz will

consist of 20-25 multiple choice or T/F questions (4-5 pts each). You will be given 25-30 minutes to complete. You may complete the quiz in the classroom or outside of the classroom but you must take it in the allotted time on Tuesdays. The lowest quiz grade will be dropped for a total of 8 quiz grades. No make-up quizzes will be allowed.

2. Final exam: there will be one comprehensive final exam. 100 questions. This will be online during your final exam time.
3. Group work: groups comprised of 5-8 students will discuss key class content concepts following viewing a video in class. Groups will work together to answer questions given by the instructor and must be ready to discuss or present answers following the allotted discussion time period. This is 5% of your grade will be based on timeliness of posting answers to discussion questions in the Dropbox, group interaction in the classroom, and peer assessment.
4. Discussion Board: Each week you will be asked either to post a comment or question you may have about class content. Or you will be asked to post a multiple choice question you developed pertaining to class material. Missing more than two weeks will result in a zero for this portion of your class grade.

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-, below 60 is an F.

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.

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 | Homework: check OAKS for changes/updates |
|------|--|---|--|
| 1 | January 9, 11 | Tuesday: Intro/Chapter 1, 16 Thursday: Chapter 16 Darwin | Discussion Board: Post your favorite song and post questions or thoughts for the week Thursdays homework before next class: review online lecture/ notes for chapter 17 |
| 2 | January 16, 18 Labs Begin 22nd | Tuesday: Chapter 17 Evolution Thursday: watch video, group work/discussion and finish evolution | Discussion board post what you think is a good one multiple choice test question for either chapter 1, 16, or 17 |
| 3 | January 23, 25 | Tuesday: Chapter 40 and 41 <u>Thursday Online only NO in class session!!</u> online OAKS quiz 1 (ch. 1, 16 and 17) | review online lecture Discussion Board: post questions or thoughts for the week |
| 4 | January 30, February 1 | Tuesday Chapter 42 , chapter 18 Thursday: watch video, Group discussion, | Discussion Board: post one multiple choice question for either chapter 40, 41, Or 42 |
| 5 | February 6, 8 | Online Oaks quiz 2 (chapter 40-42) followed by ch. 19 lecture Thursday Classroom: ch. 19 continued begin chapter 20 | review online lecture Discussion Board: post questions or thoughts for the week |
| 6 | February 13, 15 | Tuesday: begin class with OAKS Quiz 3 (ch. 18 and 19) : continue Chapter 20 Thursday: watch video, group discussion | Discussion Board: post one multiple choice question for either chapter 18 or 19 |
| 7 | February 20, 22 | Tuesday: begin class with Quiz 4 (Ch. 20) follow with Lecture on Chapter 22 Fungi Thursday: Lecture Fungi watch video, class discussion and | Discussion Board : post one multiple choice question for either chapter 18 or 19 |

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| 8 | February 27, March 1 | Tuesday: begin class with Quiz 5 (Ch. 22) Ch. 21 plant evolution Thursday: Plant evolution lecture ch. 27 | Review online lecture/notes Discussion Board : post one multiple choice question for Chapter 22 |
| 9 | March 6, 8 | Tuesday: ch. 27 plant reproduction Thursday: watch video, group discussion | Discussion Board: post questions or thoughts for the week |
| 10 | March 13, 16 Last day to withdraw with "W" 27th | Tuesday: class begins with Quiz 6 (Ch. 21 and 27) Lecture Ch. 26 Plant tissues Thursday: watch video, group discussion | Review online lecture for ch. 25 Discussion Board : post one multiple choice question for Chapters 25 or 26 |
| 11 | March 20, 22 | Spring Break | |
| 12 | March 27, 29 | Tuesday: begin class with Quiz 7 (ch. 25 and 26) Invertebrates lecture Thursday: Invertebrates lecture | Review online lecture Discussion Board |
| 13 | April 3, 5 | Tuesday: in class video , group discussion Thursday: Vertebrate lecture | Review online lecture |
| 14 | April 10,12 | Tuesday: Vertebrate lecture, video Thursday: begin class with Quiz 8 (Invertebrates and Vertebrates) Immunity ch. 34 | Review online lecture |
| 15 | April 17, 19 | Tuesday: lecture Immunity (ch. 34), endocrine Thursday: lecture Ch. 31 Endocrine and ch 38 human reproduction | Online quiz 9 on Ch. 34 |
| 16 | May 1st | Online Final Exam 4-7 | |
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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!