BZ 101 Humans and Other Animals - Spring 2024 Location: Chemistry A103 TR 9:30-10:45

Instructor

Dr. Heather Blackburn Office: Biology 238 Communication: *I strongly prefer communication in person or via Canvas inbox.* Email: <u>heather.blackburn@colostate.edu</u> (Less prompt than Canvas inbox!) Office Hours: Tues 11AM-noon, Wed 1:30PM-2:30PM, or by appointment

Course Description

BZ 101, Humans and Other Animals, is a biology course intended for non-science majors. Using the human body as a lens through which to explore biological and evolutionary processes, BZ 101 will address: common life processes, form and function of the human and animal body, evolution, and biodiversity. A number of current and controversial issues, related to course content, will be discussed.

Course Objectives

Upon successful completion of this course, students will be able to distinguish basic biological concepts and characteristics that are fundamental to all living organisms. They will have knowledge of typical human body organization and typical organ system functions, and the ability to relate that knowledge to atypical or disease situations. Lastly, students will have skills to recognize evolutionary processes and apply them to the understanding of biodiversity.

Academic Integrity and Classroom Behavior

Academic integrity lies at the core of our common goal: to create an intellectually honest and rigorous community. Because academic integrity, and the personal and social integrity of which academic integrity is an integral part, is so central to our mission as students, teachers, scholars, and citizens, you will be asked to respond to the following statement on your exams:

"I have not given, received, or used any unauthorized assistance."

CSU policies on academic integrity and classroom behavior can be found in the CSU General Catalog <u>http://catalog.colostate.edu/general-catalog/policies/students-</u><u>responsibilities/#academic-integrity</u>

Textbook and Connect Biology

The textbook for the course is Inquiry into Life 17th ed, by Mader and Windelspecht. To reduce your course material cost, the CSU bookstore participates in the **Inclusive Access Program**, using McGraw-Hill Connect Biology, which will include online homework and access to the full text. Note: All enrolled students are automatically included in this program.

- You have courtesy access to the online platform and text through the Add/Drop date. Access Connect through the link in your course Canvas page.
- To remain in the course, you must have access to the course Connect page. If you (the student) choose to opt out of the program provided by the CSU Bookstore, you must purchase the access code on your own. You will still need to purchase online access (not just the hard copy), and it is more expensive to purchase on your own.
- If you choose **not to opt out a code will be emailed to you** which will provide you access to the class materials for the remainder of the semester after Add/Drop date.
- PLEASE check your email (colostate.edu address) after Add/Drop date to receive the full code.

Opting Out of Inclusive Access

• If you choose an alternate method of access to the online content and homework platform, you must **opt out** of the Inclusive Access program prior to the Add/Drop date to avoid billing. **To opt out, you will need to follow a link provided by the bookstore.**

Colorado State University Canvas

Materials for the course, including the syllabus, announcements, slide "skeletons," additional readings, reference materials, and grades, will be posted in Canvas. Check Canvas regularly for announcements and updates. You are responsible for knowing the due dates of all assignments and exams; due dates are posted in Canvas. Assignments and quizzes can be found in the "Assignments" and "Quizzes" tabs, and all materials for each chapter can be found in the module for that chapter. (See "Modules" in Canvas if you haven't used this feature in the past.)

SmartBook Assignments in Connect Biology

You have SmartBook assignments (one for each assigned chapter) in Connect Biology. Connect Biology is "synced" with canvas, so the SmartBook assignments can be accessed through canvas. The SmartBook assignments are estimated by the publisher to take an hour or less. You can take these SmartBook assignments as many times as you like before the due date, and Connect will use your highest grade. Each chapter's assignment will be due at the end of the week in which we cover the material. Even after the due date has passed, you can still take SmartBook assignments in practice mode to get more experience with the textbook material.

In-class group assignments and quizzes

There will be numerous in-class group assignments (exercises and discussions). Assignments may not be announced in advance, and participation will be required of all students. In-class group assignments and quizzes will be graded. Absence will result in losing the points for that day.

Weekly homework assignments

Weekly homework assignments will be posted in Canvas. Each assignment is designed to take less than two hours to complete. The assignment is due at least three days from the posting date, and you can open it and close it multiple times during the available period; just be sure to click "submit" when you are done (and not until you are ready to submit it). I recommend that you plan to submit the assignment early each week to avoid missing any assignments. **To account for SDC accommodations**, each homework assignment will remain available in Canvas for 72 hours after the due date and can be submitted during that time *if you have SDC accommodations for extended homework deadlines*. Late submissions will be periodically checked for SDC accommodations, you must turn in assignments by the due date. Most homework assignments will be **due on Wednesday night of each week**; any adjustments to this schedule will be announced in Canvas.

Tests

There will be 3 intermediate exams (worth 100 points each) plus a final exam (worth 150 points) during the semester. All intermediate exams will be taken in class. If you have a university-sanctioned time conflict with a scheduled exam and need to take it early, you must contact the instructor at least 2 weeks before the missed exam to schedule the early exam. An early exam is only guaranteed if you have provided appropriate documentation of a university-sanctioned conflict in advance. There will be no late exams. Study guides will be posted in canvas before each exam. There are no makeup exams.

The final exam will include two portions: a portion worth 100 points covering the last three weeks of class, and a 50-point cumulative portion that will focus mostly on concepts and "big-picture" questions from the entire semester.

To account for SDC accommodations or an unavoidable emergency such as medical crisis, the lowest 100-point exam will be dropped from your overall grade. You do not need to notify your instructor. If you miss an hourly exam due to accommodations, illness, injury or some other emergency, you will see a "0" in Canvas for that test, but it will be dropped and will not affect your grade. Only one hourly exam OR the 100-point portion of the final exam can be dropped; the cumulative portion of the final exam is mandatory and can't be dropped. The dropped grade will still appear in your Canvas grades, but the lowest grade will not be counted in your final grade. The lowest grade will be dropped from your final grade near the end of the semester.

Methods of Evaluation

Grade Points	
SmartBook Assignments: (5 points each x approx. 27)	Approx. 135
In-class assignments (5 points each x approx. 20)	Approx. 100
Canvas homework (10 points each x 15 homeworks)	150
Exams: 4 (100 points each)-lowest exam dropped:	300
Final Exam Cumulative Section: 50 points	50
Total Points Possible:	Approx. 735

Your overall course grade will be calculated as (points earned)/(total points possible). The total points possible may be adjusted throughout the semester; if we cover more or less material than planned, we may have more or fewer assignments than currently planned. Your average will be rounded to the nearest integer to determine letter grades. Grades will not be scaled in this class; your grade is your own and is not affected by others.

Letter Grade	Numerical Equivalent
А	90-100
В	80-89.5
С	70-79.5
D	60-69.5
F	0-59.5

BZ101 Humans and Other Animals Schedule Spring 2024

Week	Dates	Chapter #: Topic (See specific readings in Canvas module)	
Week 1	Jan 16-19	1: The Study of Life 2: The Molecules of Cells	
Week 2	Jan 22-26	3: Cell Structure & Function 4: Membrane Structure & Function	
Week 3	Jan 29-Feb 2	5: Cell Division 6: Metabolism: Energy (With selections from 7.1 and 8.1)	
Week 4	Feb 5-9	11: Human Organization 12: Cardiovascular System	Exam 1: Thursday of Week 4
Week 5	Feb 12-16	13: Lymphatic & Immune Systems 14: Digestive System & Nutrition	
Week 6	Feb 19-23	15: Respiratory System 16: Urinary System & Excretion	
Week 7	Feb 26-Mar 1	17: Nervous System 20: Endocrine System	
Week 8	Mar 4-10	21: Reproductive Systems	Exam 2: Thursday of Week 8
	Mar 11-15	Spring Break	

Week 9	Mar 18-22	23: Genetics 24: Chromosomal Inheritance	
Week 10	Mar 25-29	25: Molecular Genetics 26: Biotechnology/Genomics	
Week 11	Apr 1-5	26: Biotechnology/Genomics (continued) 27: Evolution	
Week 12	Apr 8-12	28: Microbiology	Exam 3: Thursday of Week 12
Week 13	Apr 15-19	31: Animal DiversityPT. I32: Animal DiversityPT. II	
Week 14	Apr 22-26	33: Behavioral Ecology 35: Nature of Ecosystems	
Week 15	April 29-May 3	36: Major Ecosystems 37: Conservation Biology	
Week 16	May 9	Final Exam - Thursday, May 9, 2-4 PM, in the classroom.* *See a schedule of all CSU final exams at: https://registrar.colostate.edu/final- exams/	Thursday, May 9, 2-4 PM, in the classroom