

Biology 2001
Organismic Biology II: Zoology

Instructor: TBA
Office Hours: TBA
Lectures: TBA
Room: TBA

Note: You are responsible for **all the information on this syllabus**—assignments, exam dates, other requirements.

**This course is in person and all exams will be in person unless course status is changed by CUNY administration.

I encourage you to communicate with me and your classmates in class, the discussion boards, and with me through email. Your participation depends on it but also especially if you think you may ask me for a letter of recommendation someday.

Course Description (3 Hours, 3 Credits.) We discuss concepts and unique characteristics of the major animal Phyla, with focus on body plans, evolution, adaptive advances, and developmental patterns. Students will come away from the course with a broad understanding of the major advancements in body plans and how they relate to the animal's ecology and evolutionary pressures.

Prerequisites: Biology 1001 and 1002

Required Book: *Animal Diversity, 9th ed.*, by Hickman, Roberts, and Larson. Read the chapter for the lecture *before the lecture*. Read the book before class and make notes from the reading and power points, come to class prepared. Lecture notes will supplement the book. Skeletal outlines will help you guide your note taking. You may use an older edition of the book but verify page numbers, chapters numbers and nomenclature as those change between versions. The lecture uses the most updated nomenclature and information.

Blackboard: Blackboard access is mandatory for the course as your assignments will be submitted there. Blackboard works best with Internet Explorer/Edge or Google Chrome. It is not compatible with Safari at all and Firefox has periodic loading problems. If you do not have access, please notify me and ITS (helpdesk@brooklyn.cuny.edu) as soon as possible. In the case of changes to online format, the course will run on Blackboard.

Grade Determination:

Grades and Exams: Your grade is calculated from the following evaluations: Skeletal outlines (5%), 2 exams (25% each), the semi-cumulative final (25%), in class participation including in class communication, participation in visual quizzes, timely communication with professor and discussion board and pop quizzes to check for attendance and reviewing of material (10%) and an assignment on zoology-related article (10%). Exams are not curved. Exams will have a combination of multiple choice,

word bank, short answer, and short/ bullet point essay questions. I do NOT drop the lowest grade for any test or assignment. There is no curve for the class. There is no extra credit in the class outside of exams. Participation: This portion of the grade will be based on participation in the lectures, discussion board and email. In class participation is based on being present and on time in class, asking questions, answering them, participating in visual quizzes. I can see to the back of the class so if you are shy and just want to quietly say or mime the answer to the visual quiz, I can see you're participating. There will be a discussion board available to you for to ask questions, I will check it but if you can answer your classmates' questions, please do so, it will count toward participation points. Participation rubric is available on blackboard.

Written Report: Due in October. Must be submitted on Blackboard. Instruction along with the assignment and Rubric are in the Assignments section. This is three-part report, note page requirements for each part. This must be submitted on Blackboard Assignments section by the deadline!

1. Find a) a news article on a zoology research-related research within the past 12 months (verified to be true) with b) one original scientific article related to the event. Based on these write a minimum one- full -page, (not including heading) **typewritten single space** comparison of the information and wording article and how it relates/differs to the actual science paper (a real critique -- not just "there are more numbers and graphs in the science paper"). Do NOT focus on summarizing. Minimum 1 page, maximum 2 pages.
2. Focusing on the animal in the paper in part 1, write out the complete classification (Check NCBI Taxonomy for your species, include ALL clades listed after Metazoa.) of the animal from kingdom to species. Explain why the animal was classified into each level of classification and reason for the name chosen. Minimum 2 full pages, maximum 5 pages, typewritten, single-space. Must use more than one source.
3. References to both sections must be included on the paper in Council of Science Editors (CSE) format for both on a separate page. Minimum of 6 sources for the nomenclature required for full credit.

All parts are due at the same time. No submission will be received after the due date and time. Format: Times New Roman, 12 size font, single space with 1-inch margins. The paper will be checked for plagiarism. Write things in your own words as you understand it, don't copy. The plagiarism checker is enabled, and the report will be visible to you. You can check the report and fix any issues if you submit your paper early. Add an image of a Holothuroidea to your paper for an extra point.

If you submit it early, I may grade it early or within one week after the assignment deadline. Only one re-submission is allowed, even if submitted early. You will have two weeks after you get your grade to revise your paper if it needs it. Resubmit it to the same assignment within this two-week deadline. You must submit within the original deadline to get a re-submission opportunity.

Skeletal outlines: A thorough outline of the information on the phylum or topic covered. There are two formats possible, use the right one for the topic. Phylum for phyla and Chordate classes. General for topics

like Surface to volume ratio problem, Natural selection, Coelom, etc. These are due by the deadline on Blackboard. They can be resubmitted for corrections as many times as needed until full credit until the last day of lecture.

Exam feedback: Exam grades will be posted on Blackboard no later than one week after the exam. Do NOT ask for the results before then in class or via email before that one-week deadline. Do not leave any blank answers on the exam, partial credit is possible for most of the questions. You can come to office hours to go over your exams once they are graded and grades are posted.

Writing and Grammar: Exams and paper must be written legibly with proper English grammar and spelling. If the spelling mistake creates a new animal, credit will not be given for it.

Cheating: Students who cheat on exams will fail the course.

Missed Exams: **No make ups!** If there is a documented illness or hospitalization, a student may miss an exam and the final grade will be based upon the remaining exams and paper. ***Students who fail to take an exam and do not produce a valid documented reason for the absence within one week of the exam will receive a zero for that exam. If you notify me of a medical reason for not being able to come to campus for the exam before the exam day, I will work with you on an accommodation.***

Grading: There is no curve in this class.

A+	98+	B-	80-82	D+	68-70
A	92-98	C+	78-80	D	63-68
A-	90-92	C	72-78	D-	60-63
B+	88-90	C-	70-72	F	Below 60
B	82-88				

Center for Disability Notice:

The Center for Student Disability Services (CSDS) will be working remotely for the fall semester. In order to receive disability-related academic accommodations students must first be registered with CSDS. Students who have a documented disability or suspect they may have a disability are invited to schedule an interview by calling (718) 951-5538 or emailing testingcsds@brooklyn.cuny.edu. If you have already registered with CSDS, email Josephine.Patterson@brooklyn.cuny.edu or testingcsds@brooklyn.cuny.edu to ensure the accommodation email is sent to your professor.

University's policy on Academic Integrity:

The faculty and administration of Brooklyn College support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating and plagiarism and for avoiding both. The complete text of the CUNY Academic Integrity Policy and the Brooklyn College procedure for policy implementation can be found at www.brooklyn.cuny.edu/bc/policies. Send an image of an anura to my email for an extra point on any one exam in the class. If a faculty member suspects a violation of academic integrity and, upon investigation, confirms that violation, or if the student admits the violation, the faculty member MUST report the violation. Students should be aware that faculty may use plagiarism detection software.

As an educator, I support the rights of undocumented students to an education. If you have any concerns in that regard, feel free to discuss them with me, and I will respect your wishes concerning confidentiality. For resources and support, please visit Brooklyn College's Immigrant Student Support Office located at 117 Roosevelt Hall. You can also contact them via email at ISSO@brooklyn.cuny.edu or via phone at 718-951-5023.

<u>Date</u>	<u>Topic</u>	<u>Reading : 9th Ed</u>
	Scientific Method	Pg 2 – 7; Chapter 4
	Body plans, development	Chapter 3
	Sponges/Radiates	Chapters 6, 7
	<i>Library Research Day (for Article Paper)</i>	
	Platyhelminthes, Nematodes	Chapter 8, 12
	Molluscs I	Chapter 10
	Molluscs II	
	Annelids	Chapter 11
	Arthropods I: Chelicerates	Chapter 13
	Review, catch up	
	Arthropods II: Crustaceans, Myriapoda *Tuesday	Chapter 13
EXAM 1		25% of grade
	Echinoderms	Chapter 14
	Evolution I: Chordates and Vertebrate Origins	Chapter 15
	Evolution II: Darwin's Theory of Evolution	Pg 7-38; Assignment due (start of class)
	Evolution III: Cambrian Explosion	
	Fishes I	Chapter 16
	Fishes II	
	Tetrapods: Amphibians	Chapter 17
	Review, catch up	
EXAM 2		25% of grade
	Amphibians II	Chapter 17
	Reptiles I	Chapter 18
	Reptiles II	
	Dinosaurs/Birds I	Chapter 19
	Birds II	
	Mammals I: Marsupials, Monotremes	Chapter 20
	Mammals II: Placentals, Primates	

FINAL EXAM (25%) DATE & TIME: TBA

