

Survey of Zoology (BioSci 100) — Fall 2022

Professor: Dr. Gerlinde Höbel
Office: S292 Lapham; e-mail: Hoebel@uwm.edu
Office Hours: by appointment; please arrange via email

This course contains both lecture and laboratory components.
You must pass **BOTH** components (lecture and lab) to pass the course.

Lecture: **Online – Asynchronous.** Students can complete class work on their own time during a set time frame (generally 1 week).

- lecture material is posted on CANVAS, in dedicated modules for each week
- lectures scheduled for each week will be posted on Mondays
- lecture material remains permanently accessible, but the extra-point quizzes associated with each lecture close Sunday 8pm of the respective week the lectures were posted.

Lecture Text: There is no required textbook for this class. If you wish to consult a textbook, Animal Diversity, any edition, by Hickman/Roberts/Larson; McGraw Hill

Lab: **In Person;** lab material will be posted on CANVAS, in dedicated modules for each lab topic

Lab Manual: No lab manual required. Readings and handouts will be available on CANVAS
See separate lab schedule for details

Access to course materials: CANVAS course website.

Scope and focus: This is a survey of the animal kingdom covering principles of biodiversity, including the origin, evolution, and ecology of animals. The course is intended for non-science majors with no science background other than high school biology. There are no prerequisites. **The course WILL satisfy the natural science laboratory requirement in Biology for non-majors.**

This class does NOT count as credit toward the major in Biological Sciences!

Evaluation: Grades are not “given”, they are earned. Your success is of great concern to me, and I would like to see every student succeed in this class. To me, this means you earn the grade you would like to earn AND that you learn information and life skills that serve you for years to come. Below is how you will be evaluated in this class:

LECTURE EXAMS:

(1) Four (4) lecture exams will be given. Each is weighed equally and is not cumulative. Exams will include matching, true/false and multiple choice questions. Exams are online, 50 Questions, time limited to 50 min once started, and open for 24hrs.

(2) Students missing any one of the 4 regular lecture exams are **required** take the Cumulative Exam (#5) during the final exam period. The grade for the Cumulative Exam will be substituted for the exam you missed.

(3) Students who have taken all 4 regular lecture exams have the **OPTION** of also taking the Cumulative Exam (#5) to replace their lowest regular exam score. If you take all 5 exams only top 4 scores will count toward the final grade.

LECTURE EXTRA POINTS:

Each lecture has a short online quiz associated with it. Quizzes are time limited (5min) and open during the week the associated lecture was posted on CANVAS.

LABORATORY: In Person! Check Lab Canvas site for lab meeting times & material

Animal dissection (i.e. shellfish) is a major component of the laboratory portion of this course. All students are required to participate.

If you do not wish to dissect animals, or you are allergic to shellfish you can take BioSci 102 or 104 instead.

Laboratory syllabus: download from CANVAS and take to first lab.
Labs start week of Sept 12!

Grading: Exams (4) 50% of final grade (50 Pts per exam)
Laboratory 50% of final grade (see lab syllabus for details)

Grading Scheme

		B+	87-89%	C+	77-79%	D+	67-69%	F	0-59%
A	93-100%	B	83-86%	C	73-76%	D	63-66%		
A-	90-92%	B-	80-82%	C-	70-72%	D-	60-62%		

FINAL EXAM: online opens Dec 16

ACADEMIC INTEGRITY

Academic honesty and professional behavior are fundamental to the activities and principles of UWM. As with all classes at the University, academic dishonestly (cheating and plagiarism) will not be tolerated in this course. This class has a very strict cheating policy. If you cheat or plagiarize on an assignment, or exam, at the least you will receive 0 points for that assignment. You will also be reported for further disciplinary action, which can range from probation to expulsion from the University.

In my experience, many students don't know that some behaviors that seemed acceptable in high school are considered "cheating" in college. Copying homework answers from another student's or copying even a single sentence directly from a book or online source without citing it qualify as cheating, and the cheating policy applies whether you knew you were cheating or not. Make sure you have a clear understanding of what is acceptable and what is not, and when in doubt, do not hesitate to ask me or your TA. Please read UWM's policies and procedures on academic misconduct at: <http://www4.uwm.edu/osl/dean/conduct.cfm>

Statement of ADA Policy:

If you feel that you may need accommodations based on the impact of a disability in order to meet any of the requirements of this course, please contact me to arrange an appointment as soon as possible.

Lecture Schedule

Week	Date lecture posted	Topic
1	Sept 7	1 – Intro
2	Sept 12	2 – Life on Earth 3 – Animal Architecture
3	Sept 19	4 – Unicellular Eukaryotes (Protists) 5 – Phyla Porifera & Placozoa (Sponges & Flat Animals)
4	Sept 26 Sept 28	6 – Phyla Cnidaria & Ctenophora (Jellies & Friends) EXAM 1 (lectures 2-6)
5	Oct 3	7 – Flatworms & Friends 8 – Lophophores & Friends
6	Oct 10	9 – Molluscs 10 – Annelids
7	Oct 17	11 – Phyla Nematoda & Nematomorpha (Round worms) 12 – Smaller Ecdysozoans
8	Oct 24 Oct 26	13 – Arthropods 1 EXAM 2 (lectures 7-12)
9	Oct 31	14 – Arthropods 2 15 – Echinoderms & Hemichordates
10	Nov 7	16 – Chordates & Cartilaginous Fish 17 – Bony Fish
11	Nov 14 Nov 16	18 – Amphibians EXAM 3 (lecture 13-18)
12	Nov 21/23	No Class - Thanksgiving
13	Nov 28	19 – Reptiles 20 – Birds 1
14	Dec 5	21 – Birds 2 22 – Mammals 1
15	Dec 12 Dec 14	23 – Mammals 2 EXAM 4 (lecture 19-23)
	Dec 16-21	FINAL EXAM (cumulative, lectures 2-23)

** If you need special accommodations in order to meet any of the requirements of this course, please contact Dr. Höbel as soon as possible. **