



Course Syllabus: **Invertebrate Zoology**

College of Science and Mathematics

BIOL 3644 Section 101

Fall 2024

Contact Information

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Course Description

A survey of the structure, function, systematics, and habitats of the protist and invertebrate phyla.

Textbook & Instructional Materials

Lecture Text: Invertebrates, 3rd Edition, by Richard C. Brusca, Wendy Moore, and Stephen M. Shuster, 2016.

Study Hours and Tutoring Assistance

TBD

Student Handbook

Refer to: [Student Handbook 2024-25](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct.

[Student Handbook 2024-25](#)

Grading

Table 1: Points allocated to each assignment.

| Assignments | Percentage |
|-----------------|------------|
| Lecture Test #1 | 18.75 |

| Assignments | Percentage |
|------------------|------------|
| Lecture Test #2 | 18.75 |
| Lecture Test #3 | 18.75 |
| Final Exam | 18.75 |
| Lab Grade | 25 |
| Total Percentage | 100 |

Table 2: Total percentage for final grade.

| Grade | Percentage |
|-------|--------------|
| A | 90 to 100 |
| B | 80 to 89 |
| C | 70 to 79 |
| D | 60 to 69 |
| F | Less than 60 |

Lecture Exams

There will be four, equally-weighted major exams (including the final exam) that will each be worth 18.75% of your overall grade for the class. The final exam will NOT be comprehensive but will cover all of the material since the previous exam. Exams will usually contain various types of testing formats (i.e. multiple choice, matching, true/false, fill in the blank, listing, drawing/labeling, and short answer). Make-up exams will be administered ONLY FOR EXTENUATING CIRCUMSTANCES OR UNIVERSITY-AUTHORIZED ABSENCES. You **MUST** present a valid university excuse to make up a missed lecture exam. If a make-up exam is granted, it should be taken immediately (i.e. before exams are passed back to the class). **DO NOT MISS AN EXAM!!!!** Academic honesty must be practiced at all times.

Final Exam

Final exam will count 18.75% of your overall grade for the class, will contain various types of testing formats (i.e. multiple choice, matching, true/false, fill in the blank, listing, drawing/labeling, and short answer), and will be administered from 8:00-10:00 AM on Tuesday, December 10, 2024.

Extra Credit

Extra credit assignments are not available.

Make Up Tests

Make-up exams will be administered ONLY FOR EXTENUATING CIRCUMSTANCES OR UNIVERSITY-AUTHORIZED ABSENCES. You **MUST** present a valid university excuse to me and/or make arrangements with me **BEFORE** the exam is missed in order to be able to make up a missed lecture exam. If a make-up exam is granted, it should be taken immediately (i.e. before exams are passed back to the class).

Important Dates

Last day for term schedule changes: August 29, 2024.

Deadline to file for graduation: September 23, 2024.

Last Day to drop with a grade of "W": November 25, 2024.

Refer to: [Drops, Withdrawals & Void](#)

Attendance

You are expected to attend all classes. A lot of material is presented in each class period, which makes it easy to fall behind if a class is missed. If you miss a class, it is **YOUR** responsibility to get class notes from classmates or any handouts from your instructor. Students with excessive absences usually result in failure of the course and may be dropped by the instructor. Students should refer to the current MSU Handbook and Activities Calendar for university policy on academic dishonesty, class attendance, student rights and activities. For example see page 6 for the student honor creed.

Aids for Success

MAKE SURE YOU READ YOUR TEXTBOOK! Most of the material for exams will be derived from the textbook and notes. Read the chapter(s) assigned for each class period. Lectures should correspond to the chapters indicated on your syllabus. Take thorough lecture notes to make sure you get material covered in lecture that is not in the text.

Class Policies

Class Prerequisites: One year of biology, each course with a grade of C or better; 3114 recommended.

Class Requirements: This class contains both a lecture and separate lab component to it. You must be registered in both the lecture and lab and attend both.

PHONES SHOULD BE OFF IN THE CLASSROOM. LAPTOPS ALLOWED FOR NOTE TAKING.

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. **HOWEVER**, if the student received financial aid (federal/state/institutional grants,

loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exists in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Services for Students With Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

Grade Appeal Process

Students who wish to appeal a grade should consult the Midwestern State University [Undergraduate Catalog](#)

Notice

Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

Course Schedule

| Week or Date | Topics/Exams | Chapters |
|---------------------------|---|---------------------|
| Week 1 8/27 to 8/29 | Introductory Material; Protists | 1, 4, 3 |
| Week 2 9/3 to 9/5 | Protists; Porifera, Placozoa | 3, 6 |
| Week 3 9/10 to 9/12 | Porifera, Placozoa; Cnidaria | 6, 7 |
| Week 4 9/17 | Ctenophora; Xenacoelomorpha | 8, 9 |
| 9/19 | Test #1 | 1, 3, 4, 6-9 |
| Week 5 9/24 to 9/26 | Platyhelminthes; Misc. Protostomes: Rhombozoa, Orthonectida, Chaetognatha, Gastrotricha | 10, 11 |
| Week 6 10/1 to 10/3 | Misc. Protostomes: Rhombozoa, Orthonectida, Chaetognatha, Gastrotricha; Nemertea; Mollusca | 11, 12, 13 |
| Week 7 10/8 to 10/10 | Mollusca; Annelida; Entoprocta, Cycliophora | 13, 14, 15 |
| 10/15 | Test #2 | 10-15 |
| Week 8 10/17 | Gnathostomulida, Rotifera (w/ Acanthocephala), Micrognathozoa; Lophophorates: Phoronida, Bryozoa, Brachiopoda | 16, 17 |
| Week 9 10/22 to 10/24 | Lophophorates: Phoronida, Bryozoa, Brachiopoda; Nematoda, Nematomorpha | 17, 18 |
| Week 10 10/29 to 10/31 | Nematoda, Nematomorpha; Kinorhyncha, Priapula, Loricifera; Tardigrada, Onychophora | 18, 19, 20 |
| Week 11 11/5 to 11/7 | Tardigrada, Onychophora, & Arthropoda Intro; Arthropoda: Crustacea | 20, 21 |
| 11/12 | Test #3 | 16-21 |
| Week 12 11/14 | Arthropoda: Hexapoda | 22 |
| Week 13 11/19 to 11/21 | Arthropoda: Hexapoda, Myriapoda, Chelicerata | 22, 23, 24 |
| Week 14 11/26 | Arthropoda: Chelicerata; Echinodermata | 24, 25 |
| 11/28 | Thanksgiving Break | Have some turkey! |

| Week or Date | Topics/Exams | Chapters |
|-------------------------|--|--------------|
| Week 15 12/3 to 12/5 | Echinodermata; Hemichordata; Chordata | 25, 26, 27 |
| 12/10 | Final Exam (8:00-10:00 AM) | 22-27 |