

BY 255 Invertebrate Zoology Laboratory
Fall 2015

Instructor contact information:

Julie B. Schram
jbschram@uab.edu
(205) 934-8322
Campbell Hall 252
Office hrs by appointment

Meeting room: Campbell Hall 248

Meeting time: Tuesday QE 11:00 am – 12:50 pm
D5 5:00 pm – 6:50 pm

Open lab: Monday 9:00 am – 1:00 pm

Overall laboratory course goal: To introduce students to the taxonomy, diversity and morphology of invertebrate phyla.

Laboratory Learning Objectives: By the end of this course, students will

1. Identify common and prominent invertebrates that exemplify the major invertebrate phyla
2. Distinguish defining morphology characteristics of organisms belonging to the major phyla
3. Understand the function of defining characteristics of organisms belonging to the major invertebrate phyla
4. Recognize defining characteristics and morphologies of the major invertebrate phyla for unknown organisms and differentiate the phyla to which the unknown organism belongs.

Laboratory course requirements:

1. Read required materials and come to class ready to perform lab dissections and activities
2. Come to all laboratory sessions and arrive on time
3. Clean up your laboratory space every time you use any laboratory equipment/space – this includes open labs
4. Participation in laboratory dissections, discussions, & laboratory notebook completion

Required Laboratory Manual: Invertebrate Zoology: A Laboratory Manual, Wallace & Taylor, 6th Ed., Prentice Hall Publishers

Course Assignments: This laboratory course comprises **40%** of your total grade for Invertebrate Zoology (BY 255) and breaks down as follows:

	Lecture - 60%	Laboratory - 40%
Exam 1	20%	10%
Exam 2	20%	10%
Exam 3	20%	10%
Participation/Attendance/ Laboratory notebooks	N/A	10%
Total	60%	40%

I. Exams

Exams will be formatted as a practical. They will consist of identification, short answer, and multiple-choice questions. There will be 3 exams and they will comprise $\frac{3}{4}$ (75%) of your **laboratory** grade.

II. Participation

Class participation is an essential part of this laboratory course. Participation will represent $\frac{1}{4}$ (25%) of your **laboratory** grade, and breaks down as follows:

1. Individual/group participation:

Throughout the semester we will have multiple individual and group projects for which you will receive participation points. These points comprise 10% of your participation points.

2. Attendance:

Prompt attendance of every lab period is essential for this laboratory class. You will receive credit for attendance and it will comprise 10% of your participation points.

3. Laboratory notebooks:

Laboratory notebooks comprise 80% of all laboratory participation points. Illustrate (to the best of your ability) specimens or dissections designated by you lab instructor in weekly study guides

III. Miscellaneous:

There will be a weekend trip to the Dauphin Island Sea Laboratory (Oct 9-11, 2015). Attendance is not mandatory but students are strongly encouraged to attend.

Course policies:

1. Attendance is essential: Students are responsible for all materials presented and discussed during laboratory class periods.
2. No open toed shoes allowed. Admittance to the laboratory will be refused if inappropriate shoes are worn.
3. Class participation is a big part of this course and there will be group activities for which students receive credit as part of their class participation grade based on interactions and completion of assignments individually and as part of small groups. Participation points are determined for each laboratory meeting and will cumulatively be worth the same as one laboratory exam. There are no make-ups for missed participation points.
4. A laboratory absence is not excused without providing supporting documentation such as a traffic ticket, doctor's excuse, etc.
 - a. If you miss a dissection, it may be possible to make up this dissection, depending on the availability of specimens and the laboratory instructor.
 - b. **You** must take the responsibility to arrange a time to make up the dissection.
 - c. Make-up exams (time and format) are at the discretion of the laboratory instructor.
5. If you are ill or otherwise unable to attend class, contact you instructor **before** you miss class. If you are ill you must present dated medical documentation of your illness within **1 week** of absence. Exams make-ups may be rescheduled **only** for valid health reasons.
6. Late assignments will be docked 5% for each day that it is late. Missing assignments (defined as any assignment not turned in) will receive a zero.
7. There will be limited opportunities for extra credit. Extra credit will only be available for the entire class; there will be no individual extra credit. There will not be sufficient opportunities for extra credit to make up for any missed assignment or participation points.
8. Academic dishonesty will **not** be tolerated. For more on the UAB Academic Honor Code and definition of academic dishonesty, visit the university website or here: <https://www.uab.edu/students/academics/honor-code>.
9. If you have any questions or concerns pertaining to the laboratory portion of the course please don't hesitate to discuss them with your laboratory instructor.

Disability Support Services

Students needing accommodations or modifications should contact and arrange to meet with the course instructor. Students with disabilities must be registered with Disability Support Services (DSS) and provide an accommodation letter to the course instructor before receiving any adjustments or modifications.

For more information on DSS and the types of accommodations available, please visit their website at:

<http://www.uab.edu/students/services/disability-support-services>.

Other useful resources:

Student Health and Wellness Center

(<https://www.uab.edu/students/services/health-and-wellness>),

University Academic Success Center

(<http://www.uab.edu/students/academics/student-success>),

Office of Student Advocacy, Rights and Conduct

(<http://www.uab.edu/students/services/advocacy-rights-and-conduct>)

Campus resources – tutoring and academic support

For writing additional writing assistance, please contact the UAB University Writing Center (<http://www.uab.edu/writingcenter/>). Free 30 writing consultations are free for all UAB students.

Laboratory Class Schedule

Date	Topic	Chapter
08/25	Porifera	2
09/01	Cnidarians and Ctenophores	3, 4
09/08	Platyhelminthes	5
09/15	*Laboratory Exam I	2 - 5
09/22	Pseudocoelomates	7, 8, 9
09/29	Molluscs I	10
10/06	Molluscs II	10
10/13	*Laboratory Exam II	7 - 10
10/20	Annelids	11
10/27	Arthropods I	16
11/03	Arthropods II/ Echinoderms I	16, 22
11/10	Echinoderms II	22
11/17	*Laboratory Exam III	11, 16, 22
10/09-10/11	Dauphin Island Sea Laboratory Field Trip	

* Completed laboratory notebook due.