

Welcome to the Freshmen Biology Laboratory Program! We hope that the labs will stimulate your interest in biology, complement what you learn in lecture and help prepare you for your upper level classes and your profession. The goal of the biology labs is to give students opportunities for hands-on learning of biology and biological principles. Our emphasis is that students will learn both content and process. BISC 163 is a co-requisite for BISC 162. One must pass BISC 160/161 with at least a "C" to take the BISC 162/163 class.

Mrs. Lewis, Coordinator BISC163 labs

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**Required Book and Materials: Biological Sciences II Laboratory Manual, BISC 163.** Stratton and Lewis, 2019.

Hayden-McNeil Publishing. ISBN: 978-1-5339-1101-8 You are also required to purchase online access to the lab's portal (included in the manual price and found on the inside cover of the lab manual), Dissecting kit, available at the bookstore (about \$10.00), gloves for dissection (about \$0.30 each; you should purchase at least 10 pairs or can purchase these at Walmart in the cleaning aisle), and goggles (same ones required for Chemistry labs).

**Attendance:** Attendance is required at ALL lab meetings and will be taken every lab meeting via ID scanners.

**Per University policy, if you do not attend lab during the first two weeks of class, you will be dropped from our class and the co-requisite BISC 162.** Only students with a valid excuse (serious illness, family emergency or approved University function) will be **considered** for a possible make-up. Make-up labs will **ONLY** be granted for excused absences **with dated documentation** (doctor's notes, University paperwork, funeral programs, etc.) If you miss a lab/assignment for any reason, you must contact Mrs. Lewis at

[bisc163@olemiss.edu](mailto:bisc163@olemiss.edu). When requesting permission, you **MUST** send an email to [bisc163@olemiss.edu](mailto:bisc163@olemiss.edu) with the following 4 items:

1. Your name
2. Your TA's name and lab section
3. A copy of your dated valid excuse (scan, photo, etc.)
4. Your specific request

Here is an example of how this would look:

Dear Mrs. Lewis,

My name is John Jackson and I am in Kartick Shirur's section # 4 of BISC 163. I had to miss lab on Monday (Jan 28) because I have the flu. Attached is an image of the excuse I got from the health center. May I please make up the exam either Weds or Thurs this week? Thank you!

Sincerely, John Jackson, Sect 4

Students attending another lab section without permission will receive a **zero** on all assignments for that lab.

**Disability Access and Inclusion:** The University of Mississippi is committed to the creation of inclusive learning environments for all students. If there are aspects of the instruction or design of this course that result in barriers to your full inclusion and participation, or to accurate assessment of your achievement, please contact the course instructor as soon as possible. Barriers may include, but are not necessarily limited to, timed exams and in-class assignments, difficulty with the acquisition of lecture content, inaccessible web content, and the use of non-captioned or non-transcribed video and audio files. If you are approved through SDS, you must log in to your Rebel Access portal at <https://sds.olemiss.edu> to request approved

accommodations. If you are NOT approved through SDS, you must contact Student Disability Services at **662-915-7128** so the office can: 1. determine your eligibility for accommodations, 2. disseminate to your instructors a Faculty Notification Letter, 3. facilitate the removal of barriers, and 4. ensure you have equal access to the same opportunities for success that are available to all students.

**In Class Behavior:** All students must uphold the University Creed. In lab, we expect that your behavior will promote an open and diverse atmosphere that encourages learning. You are expected to respect all other students in the class. If you are being disrespectful to a fellow student, you will be asked to leave lab and will receive a zero on all assignments for the day. Tobacco products (e.g., dip, chew) are **NOT** allowed in the laboratory. Any food or drink brought into the lab must remain in the cubbies. Please take any trash you bring into the laboratory with you and dispose of it properly.

**Plagiarism and Academic Honesty:** The University is conducted on a basis of common honesty. Dishonesty, cheating, plagiarism, or knowingly furnishing false information to the University are regarded as particularly serious offenses. Disruptive behavior in an academic situation or purposely harming academic facilities also are grounds for academic discipline. This includes a zero on any work suspected of the above, and reporting to the University, an action which creates a permanent record. Please see the M BOOK for further information.

**Cell Phone/Electronics Policy:** Use of cell phones, including texting, is prohibited during quizzes and exams. Turn them off (not silent, not vibrate – **OFF!**). If you are using your cell phone, you will be asked to leave and will receive a zero on all assignments for the day. All personal belongings **MUST** be in the cubbies on the wall as you enter the lab.

Cell phones may be used to take pictures of the pigs during dissections and the slides to augment your sketching and other lab work (please see the lab notebook section).

**Learning outcomes:** Upon completing this laboratory, students will:

A. Dissection

- Perform dissection studies, applying knowledge gained in lecture, laboratory, and text
- Learn macro and micro anatomy and be able to compare and contrast observations at these levels using anatomical terminology correctly and understand correlations between form and function

B. Diversity

- Learn the large categories of diversity and be able to understand and explain the methods of categorization
- Understand the mechanisms of getting nutrients & oxygen, getting rid of wastes & reproducing for each group of organisms

C. Microscope

- Be able to effectively use a compound and dissecting microscope

D. Library Research and Group Presentations

- Research a topic using library resources and present their findings while working in a small group

**Grading:** Grading for BISC 163 will be based on quizzes, lab notebooks, a group presentation and 2 practical exams. The following percent scale will be used in determining your grade. There are no drop grades, however there are weekly reading assessments for bonus points. This class will not use "+/-" grades.

NOTE: It is your responsibility to check your grades on Blackboard. If you find an error, you must address it within **one week** of the graded material posting. DO NOT wait until the end of the semester to debate posted grades. Typically, grades will be posted weekly, so you should check Blackboard weekly.

Assignments		Grading Scale
Practicals (2 at 50 pts each)	100 points	89.5-100% = A
Quizzes (9 at 15 pts each)	135 points	79.5-89.4% = B
Notebook and participation (10 at 10 pts each)	100 points	69.5-79.4% = C
Presentation	60 points	59.5-69.4% = D
<b>TOTAL</b>	<b>395 points</b>	<59.4% = F

- **Practicals (25% of your grade)** will cover five labs each and are NOT cumulative. There are two practicals worth 50 points each. These exams are fill in the blank without a word bank. They are timed so you will only have a few minutes per station. They consist of 50 questions that may have one or more parts to them. There will be example questions in lab each week to help you prepare for this kind of lab exam.
- **Quizzes (35% of your grade)** will cover previous (70%) and upcoming (30%) labs. There are a total of 9 quizzes at 15 points each.
- **Lab notebook/Participation (25% of your grade)** will be graded every day in lab. You will be drawing the slides every week on the pages provided in your lab manual. Please see page ix in your lab manual for a more detailed description. The lab manual drawings are worth a total of 100 points and will help you study for the practical exams. You will be allowed to use your cell phone to take pictures of the slides, but drawings **must** be completed in lab.
- **Group presentations (15% of your grade)** will be assigned early in the semester and you will work with 2-3 other students on a project that will be presented at the end of the semester. You will have an individual grade that is composed of your paper summaries, your group assignments and your participation in the presentation. The presentation is worth 60 points. Please see the schedule at the end of the syllabus and rubric posted on BlackBoard for important dates and information regarding the assignment.

- **Reading assessments (RA) (up to 2.5% added to your final grade)** are for bonus points and can add up to 2.5% to your final lab grade. They will occur the weekend **before** and cover the material you will see in lab that following week (see the schedule below). For each assessment, there will be 5 multiple choice questions and you will have 10 minutes to complete the quiz. You will be able to take the quiz as many times as you like AND we will keep your **highest** submission. These will typically open at noon on Fridays and run until 11:59 pm Sundays.

These assessments will be located on the lab portal. To access the portal, log into your **blackboard** account and click on BISC163 lab portal in the left hand panel. You will create an account on the website using the code in your lab manual. You should have an online access code in the front of your lab manual. Please create the account with your @go.olemiss.edu email account AND enter your student ID number.

If you miss a quiz for ANY reason, because these quizzes are for bonus, they will **NOT** be reopened. This means that if you have a technical issue, PLEASE contact *their* help line: **support@hmpublishing.com**. You will have ONE WEEK to contest a RA grade from the date that it closes.

**NOTE:** You must use **FIREFOX** only. You should **ONLY** access these via Blackboard.

#### Bonus Reading Assessment Schedule:

	ON Lab #	Date
Assessment 1	1	Jan 24-Feb 16**
Assessment 2	2	Jan 31-Feb 16**
Assessment 3	3	Feb 7-Feb 16**
Assessment 4	4	Feb 14-Feb 16**
Assessment 5	5	Feb 21-Feb 23
Assessment 6	6	Mar 6-Mar 15**
Assessment 7	7	Mar 20-Mar 22
Assessment 8	8	Mar 27-Mar 29
Assessment 9	9	Apr 3-Apr 5
Assessment 10	10	Apr 10-Apr 12

**\*\* These assessments are open longer than usual to accommodate late adds, lab manual delays and spring break. All other assessments open on Fridays at noon and close the following Sunday at 11:59pm.**

**LABORATORY SCHEDULE**

DATE	LAB	TOPIC	QUIZ	NOTEBOOK
Jan 20-24		NO LABS – TA TRAINING		
Jan 27-31	Lab 1	Bacteria <b>Group Presentation Assignment</b>	Quiz 1	1
Feb 3-7	Lab 2	Protists	Quiz 2	2
Feb 10-14	Lab 3	Plant Diversity and Life Cycles <b>Library Instruction</b>	Quiz 3	3
Feb 17-21	Lab 4	Fungi and Animal Diversity 1 <b>Bring dissecting kit, gloves &amp; eye protection</b>	Quiz 4	4
Feb 24-28	Lab 5	Animal Diversity 2 <b>Bring dissecting kit, gloves &amp; eye protection</b>	Quiz 5	5
Mar 2-6		<b>Practical Exam 1 (on labs 1-5)</b> <b>Article Summaries due Friday Mar 6 at 11:59pm</b> <b>(2 articles – 5 pts each/student submitted on BlackBoard in SafeAssign; in presentation folder)</b>		
Mar 9-13		<b>SPRING BREAK</b>		
Mar 16-20	Lab 6	Animal Tissues, Nervous and Endocrine Systems <b>Bring dissecting kit, gloves &amp; eye protection</b>		6
Mar 23-27	Lab 7	Skin, Muscles and Bones	Quiz 6	7
Mar 30-Apr 3	Lab 8	External, Digestive & Respiratory Systems <b>Bring dissecting kit, gloves &amp; eye protection</b> <b>Group work for presentations due in lab (title, outline, bibliography, synopsis and practice – 20 pts) *Set up a time to review your powerpoint with your TA*</b>	Quiz 7	8
Apr 6-10	Lab 9	Circulatory System <b>Bring dissecting kit, gloves &amp; eye protection</b>	Quiz 8	9
Apr 13-17	Lab 10	Reproduction & Excretory Systems <b>Bring dissecting kit, gloves &amp; eye protection</b>	Quiz 9	10
Apr 20-24		<b>Practical Exam 2 (on labs 6-10)</b>		
Apr 27-May 1		<b>Group Presentations</b>		
<b>Other dates to note</b>				
Feb 10	Mandatory drop for non-attendance			
Mar 2	Deadline for course withdrawal			
Mar 2	Midterm Grades are due			