

Required Materials

Lab Manual: Bio 1050 Laboratory Manual, Fall 2020 edition - virtual ebook available from the bookstore (isbn: 978-1-5339-2377-6)

Technology: Reliable internet access and equipment required to participate in and complete online class meetings, assignments, and exams. This includes a webcam and access to Respondus Monitor and LockDown Browser – **check your system for the requirements**

Respondus FAQs: <https://tech.wayne.edu/kb/academic-services/canvas/598>

If you need assistance obtaining course materials (including technology) you may be eligible to receive CARES Act funds through the University. More information can be found here: <https://wayne.edu/financial-aid/resources/coronavirus>

Lab Attendance

Attendance of weekly class meetings held on Zoom is required. Plan to attend class for the entire scheduled time, as you will use the class time to complete weekly activities.

Assignments, Policies, and Grading

Weekly lab participation: You will receive 2 points for lab participation each week, including attending online lab sessions and participating in the activities.

Assignments: Homework assignments are due at the **beginning** of class. All in-class assignments must be submitted **by the end** of the class period. In-class assignments will not be accepted without class attendance. Assignments must be submitted online via Canvas and **will not be accepted via email**. You must submit all assignments with a **filename that includes “your last name_bio1050_fall2020.”**

Lab Exams: Lab exams will be administered through Canvas and will use both Respondus LockDown Browser and Monitor. **You must have a webcam to participate. No exceptions will be allowed.**

Exam rescheduling may be allowed **for emergencies only**. When possible, students are expected to take the exam within 24 hours of their regularly-scheduled exam. To reschedule an exam you must provide formal, written documentation (medical billing, obituary, accident report, etc.) explaining your absence. Any rescheduling of exams must be approved by the lab coordinator in advance.

Plagiarism and academic dishonesty: Assignments flagged for plagiarism by the Unicheck system in Canvas will receive a penalty commensurate with the degree of plagiarism in the assignment.

Any assignment with a plagiarism report that finds greater than 50% plagiarism will not be accepted; the student may re-write and resubmit the assignment but will be granted a maximum score of half of the original assignment.

For assignments with a 20-50% plagiarism score students will lose points according to the sections where the plagiarism is identified. For instance, if half of the introduction section in a lab report has been plagiarized, the student will automatically lose half of the points for the introduction section, on top of any deductions for content, formatting, etc. that are in the assignment rubric.

For assignments with 10-20% plagiarism the same system will apply as for 20-50% but will be left to the grader's discretion whether the score is due to common phrases (e.g. “the basic formula for a carbohydrate is (CH₂O)_n”) or if it is more pervasive.

Any assignments with <10% will be accepted, as the result is typically based off citations, figures, and common phrases.

Both the copier and the student whose is copied from will be penalized. Any questions about the policy should first be addressed to your lab instructor, and then the lab coordinator if needed.

Any student whose assignment is altered in any way and turned in for a regrade or correction will, at the least, receive a zero for that assignment/test OR, at the most, receive an F for the entire course. Academic integrity is important, and you are responsible for your work.

University policy on plagiarism and cheating: <https://doso.wayne.edu/conduct/academic-misconduct>

Late assignments: Assignments are due at the **beginning of class**. Late assignments will receive a deduction of 10% per day after the due date.

SDS accommodations: Students requiring accommodations of any kind should send their paperwork to the lab coordinator. For more information visit the Student Disability Services website: <https://studentdisability.wayne.edu/>

Grade disputes: Any discussion or disagreement regarding a grade must be clarified with the lab instructor within **7 days** of receiving the graded assignment. After that the score will not be changed. If scores are frequently not posted in a timely fashion, please contact the lab coordinator.

Extra credit: No extra credit will be offered under any circumstances.

Lab coordinator contact information: Dr. Madelyn Tucker: madelyntucker@wayne.edu, room 2012 Science Hall

The Bio 1050 lab is also covered by policies as stated in the lecture course syllabus. This syllabus is subject to change as necessary; any changes will be communicated using Canvas.

Assignments and Point Distribution

Exam 1	50 points
Exam 2	50 points
Lab Report	20 points
Biomolecules Data & Questions	15 points
Photosynthesis Data and Questions	15 points
Cell Reproduction Assignment	15 points
Genetics Problems	15 points
Using a Dichotomous Key	10 points
Diversity Assignment	10 points
Fetal Pig Dissection Homework	20 points
Predator Prey Assignment	10 points
Lab Participation: 11 @ 2 points each (drop 1)	20 points

Lab Total	250 points

Schedule of Weekly Activities:

Week of:	Topics and Location of Resources	In-Class Assignments Due	Homework Due
9/1/20 Week 1	No labs first week		
9/8/20 Week 2	Lab introduction: syllabus, policies – Canvas Canvas Introduction Lab reports and scientific method		
9/15/20 Week 3	Biomolecules: Lab Manual 2A – 2C	Biomolecules Data	
9/22/20 Week 4	Photosynthesis: Lab Manual 3	Photosynthesis Data	
9/29/20 Week 5	DNA Extraction & Cell Reproduction: Lab Manual 4A & 4B	Cell Reproduction Assignment	Lab Report
10/5/20 Week 6	Mendelian Genetics: Lab Manual 5A-5C		
10/12/20 Week 7	Lab Exam #1		Genetics Problems
10/19/20 Week 8	Basic Skills of Light Microscopy: Lab Manual 1		
10/26/20 Week 9	Diversity Introduction: Lab Manual 6 Protists: Lab Manual 6A Fungi: Lab Manual 6B Plants: Lab Manual 6C		Using a Dichotomous Key
11/2/20 Week 10	Diversity – Animals: Lab Manual 7		Diversity Assignment
11/9/20 Week 11	Fetal Pig Dissection Part I: Lab Manual 8A		
11/16/20 Week 12	Fetal Pig Dissection Part II: Lab Manual 8B		Fetal Pig Dissection Homework
11/23/20 Week 13	Thanksgiving – no labs this week		
11/30/20 Week 14	Predator/Prey Coevolution	Predator Prey Assignment	
12/7/20 Week 15	Lab Exam # 2		