

# Biol 120 Introductory Botany

## Lab Syllabus

**Instructor:** Wade Roberts

**Email:** \_\_\_\_\_

**Office:** \_\_\_\_\_

**Office Hours:** By appointment (email me for a meeting)

### Meeting Time and Place:

Section 2

TIME

LOCATION

Section 4

TIME

LOCATION

### Required Lab Text:

Lab protocols will be PDF files uploaded to Blackboard.

**PLEASE PRINT AND BRING TO LAB EVERY WEEK!**



### Attendance Policy:

LABS ARE COMPULSORY (Departmental Policy). Due to the large number of students enrolled in the course, you must attend the lab section for which you are registered. Labs are a required part of this course, allowance will be made for missing up to 2 labs **ONLY with documented, University Approved, excuses, which must be submitted before the lab starts.** For University Approved absences, if it is possible, we will try to get you into an alternative section that week, but in general, lab make-ups are not feasible. Contact \_\_\_\_\_ or myself (Wade) if you are expecting an absence.

**DO NOT BLOW OFF LABS.** If you are sick or have a crisis later in the semester and have already missed 2 labs, you will **FAIL** the entire course!

### Student Learning Outcomes:

1. Comprehend the basic terminology associated with plant biology.
2. Analyze scientific data.
3. Make connections between organismal function and between biological concepts.
4. Communicate scientific results in a lab report format.
5. Evaluate scientific information and express your opinion on scientific issues.

### Lab Expectations:

1. Arrive on time for lab. Quizzes are given in the first 10 minutes and if you arrive late, you will not be allowed to take the quiz.
2. Read the lab manual before class and bring your own copy to lab.
3. Be respectful and courteous to other students.
4. **Check your WSU email (this is how I will contact you).**
5. Clean up your area before leaving lab (i.e. clean your slides, put away your microscopes).
6. **Don't cheat!!!**

7. NO FOOD ALLOWED IN THE LAB ROOM. SERIOUSLY. THE BENCHES DO NOT GET CLEANED. OTHER CLASSES USE TOXIC CHEMICALS AND STAINS.
8. Read the syllabus. Keep the syllabus.

### Lab Exercises:

These need to be completed in the laboratory time. You may work together and discuss questions as a group, but each student is responsible for recording answers independently.

### Quizzes:

These will be given at the beginning of lab, within the first 10 minutes. Each quiz will be worth 10 points. There are 12 quizzes over the semester, with the lowest 2 scores dropped (top 10 quizzes will count toward your grade). Quizzes cannot be taken late. You will have 1 week from when graded quizzes are returned to ask questions regarding your score. After 1 week, the original score will be maintained in the grade book.

The questions will focus on the topics covered the preceding week, but I will also include 1 or 2 questions related to the current week's lab. Make sure you read the lab handout BEFORE lab and come prepared.

### Lab Write-Up:

Details and requirements will be discussed later in the semester. Guidelines, grading rubric, and resources to help will be posted on Blackboard. It will be submitted as a draft for comment, returned to you with comments for revision, and then resubmitted. There are deadlines to meet for the write-up – pay attention to them. You will lose 10% of the possible points for missing a deadline and an additional 10% for each additional 24 hours past that deadline!

### Scoring and grading:

Quizzes – 15% of your course grade.

12 quizzes @ 10 points each

Highest 10 of 12 will count toward final grade (lowest 2 scores are dropped).

Lab write-up – 5% of your course grade.

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### Students with disabilities

Reasonable accommodations are available for students with a documented disability. If you have a disability and need accommodations to fully participate in this class, please either visit or call the Access Center to schedule an appointment with an Access Advisor. All accommodations MUST be approved through the Access Center. For more information contact a Disability Specialist at the Access Center (Washington Building 217; Phone: 509-335-3417). Students with approved accommodations are strongly encouraged to visit with instructors early in the semester during office hours to discuss logistics.

### Academic Integrity

Academic integrity is the cornerstone of higher education. As such, all members of the university community share responsibility for maintaining and promoting the principles of integrity in all activities, including academic integrity and honest scholarship. Academic integrity will be strongly enforced in this course. Students who violate WSU's Academic Integrity Policy (identified in Washington Administrative Code (WAC) 504-26-010(3) and -404) will *fail the assignment*, will not have the option to withdraw from the course pending an appeal, and will be reported to the Office of Student Conduct. Cheating includes, but is not limited to, plagiarism and unauthorized collaboration as defined in the Standards of Conduct for Students, WAC 504-26-010(3). You need to read and understand the definitions of cheating: <http://app.leg.wa.gov/WAC/default.aspx?cite=504-26-010>.

Details of what constitute plagiarism vary slightly between disciplines, for the rules in regard to biology classes make sure you read the document found at the second link below. **PLAGIARISM POLICY DOCUMENTS FOR THIS AND OTHER BIOLOGY CLASSES CAN BE FOUND AT:** [http://sbs.wsu.edu/Plagiarism%20Policy\\_adopted%20jan2014%20pdf%20.pdf](http://sbs.wsu.edu/Plagiarism%20Policy_adopted%20jan2014%20pdf%20.pdf)

If you have questions about what is and what is not allowed in this course, you should ask course instructors before proceeding. If you wish to appeal a faculty member's decision relating to academic integrity, please use the form available at <http://conduct.wsu.edu>.

### Campus Safety

Classroom and campus safety are of paramount importance at Washington State University, and are the shared responsibility of the entire campus population. WSU urges students to follow the “**Alert, Assess, Act**” protocol for all types of emergencies and the “**Run, Hide, Fight**” response for an active shooter incident. Remain **ALERT** (through direct observation or emergency notification), **ASSESS** your specific situation, and **ACT** in the most appropriate way to assure your own safety (and the safety of others if you are able). Please sign up for emergency alerts on your account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBI's Run, Hide, Fight video and visit the WSU safety portal.

## BIOL 120 LAB SCHEDULE, FALL 2017

Week	Lab Topic	Lab Write-Up
1 – Aug. 22	<i>NO LAB</i>	
2 – Aug. 29	Lab 1: Plant Cells	
3 – Sep. 5	Lab 2: Photosynthesis	
4 – Sep. 12	Lab 3: Ethnobotany, part 1	Begin experiment.
5 – Sep. 19	Lab 4: Ethnobotany, part 2 + Life Cycles	Collect data and discuss results.
6 – Sep. 26	Lab 5: Bryophytes	
7 – Oct. 3	Lab 6: Pteridophytes	
8 – Oct. 10	Lab 7: Gymnosperms	
9 – Oct. 17	Lab 8: Angiosperms	
10 – Oct. 24	Lab 9: Flowers	
11 – Oct. 31	Lab 10: Fruits	
12 – Nov. 8	Lab 11: Plant Structure and Function	
13 – Nov. 14	<i>NO LAB</i>	
Nov. 21	<i>THANKSGIVING BREAK</i>	
14 – Nov. 28	Lab 12: Plant Growth	
15 – Dec. 5	<i>NO LAB</i>	