

# BIOL 2108L: PRINCIPLES OF BIOLOGY II LABORATORY (Fall 2014) COURSE SYLLABUS

**Instructor:** Dr. Marcia Hesser  
Biology Lecturer

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**Office:** E-103 Crawford Laboratory Building  
**Office Hours:** MWF 9:00-10:00 am  
Th 10:00 am-Noon, or by appointment

*Feel free to stop by my office at any time. If I am not busy, I will be happy to speak with you!*

**Course Web Page (Desire2Learn):** <https://spsu2.view.usg.edu/>  
**Student D2L Support:** <http://spsu.edu/d2l/student/index.htm>

## **Course Description & Learning Outcomes:**

This lab corresponds with BIOL 2108 lecture. This course focuses on major concepts addressed in lecture, including taxonomic classifications and organismal diversity, plant and vertebrate physiology, and population growth. Skills to be developed include making scientific observations, performing experiments, and improving personal microscopic technique.

*Student learning outcomes will be:*

- (1) To be able to recognize and identify the taxonomic classifications and anatomical structures of prokaryotes and eukaryotic protists, fungi, plants, and animals.
- (2) To understand the organization and structure of vertebrate organ systems in relation to their physiological functions.
- (3) To be able to analyze and interpret experimental data to assess the ecological mechanisms determining population growth trends.

**Co-requisite course:** BIOL 2108

**Required Textbook:** Lab handouts will be posted as PDF files on GeorgiaView D2L (no required lab textbook)

**Credit Hours:** 1

**Meeting Times:** E172A: 2:00-4:50 pm W (Section 064)

## Evaluation:

Evaluation for the class will be based on the following criteria:

- Lab practicals (2) 80%
  - Lab Attendance 20%
- = 100 %**

## Grading Scale: *out of 100 %*

- A** = 90 – 100%
- B** = 80 – 89.4%
- C** = 70 – 79.4%
- D** = 60 – 69.4%
- F** = below 60%

## LAB

### Laboratory Exercises

- Lab handouts/exercises will be posted on GeorgiaVIEW D2L as PDF documents (go to <https://spsu2.view.usg.edu/> and log in using your SPSU e-mail username and password). You will be fully responsible for downloading and printing out your lab handouts **BEFORE LAB** each week. Please read through and become familiar with each lab **BEFORE LAB** each week. **It is strongly recommended that you bring your textbook to lab as it will assist in timely completion of each lab.**

### Lab Attendance and Participation Policy

- Attendance of laboratories is mandatory (20% of your final grade). Being absent from **2 or more** labs will result in an automatic F for the course. If you are more than 10 minutes late to lab, you will not be permitted to take part in that lab, which will count as an unexcused absence, nor will you be able to make-up that lab. You are responsible for any announcements provided during lab, including any changes to the syllabus.
- At the end of each lab, laboratory assignments will be checked for completeness. If a lab is not fully completed, you will not receive full credit for lab effort for that day.

### Lab Make Up Policy

- Due to the time, effort, and resources involved, lab exercises **MAY NOT** be made up unless approved **prior** to the missed lab. Further, make-up labs must be completed **the same week** as the missed lab (no make-ups after-the-fact). You are responsible for receiving pre-approval from myself **and** the professor of the alternate lab you wish to attend that week. Students may only attend an alternate lab for a make-up once per semester. The student will receive a grade of zero for any missed lab assignments.

### **Lab Practical Exams**

- You will take two lab practical exams (80% of final grade) that will be based off your lab handouts. You will have access to your lab handouts during the practical exams; however, please remember that these handouts will not be graded.
  - Each lab practical will consist of 25 stations, where you may be required to identify a structure and describe its function, identify an organism and place it in the appropriate taxonomic group, or answer various questions related to lab.
- Lab practical exams cannot be made up.**

### **Honesty:**

- SPSU has an Honor Code and a procedure for handling cases when academic misconduct is alleged. All students should be aware of them. Information about the Honor Code and the misconduct procedure may be found at <http://www.spsu.edu/honorcode/>.
- All work must be your own! If you are caught cheating on any graded assignment you will receive an F for the **entire course**. An F grade issued for academic dishonesty cannot be converted to a W.

### **Learning Disabilities:**

- If you have a documented disability as described by the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) that may require you to need assistance attaining accessibility to instructional content to meet course requirements, we recommend that you contact the ATTIC at (678) 915-7361 as soon as possible. It is then your responsibility to contact and meet with your instructor. The ATTIC can assist you and the instructor in formulating a reasonable accommodation plan and provide support in developing appropriate accommodations for your disability. Course requirements will not be waived but accommodations will be made, when appropriate, to assist you to meet the requirements.
- I MUST receive a copy of the completed 'Faculty Accommodation Form' from the ATTIC before I provide any class accommodations.

### **IMPORTANT DATES TO REMEMBER:**

August 18: Last Day to Add/Drop  
September 1: Labor Day Holiday (No Classes)  
September 3: Engagement Reports Due  
September 29: Midterm Grades Due  
October 2: Last Day to Withdraw with a "W"  
November 26-28: Thanksgiving Holiday  
December 1: Last Day of Classes

**TENTATIVE LAB SCHEDULE\***

<b>WEEK #</b>	<b>WEEK OF</b>	<b>TOPIC</b>	<b>LAB EXERCISE</b>
1	8/11	<b>NO LAB</b>	
2	8/18	<b>NO LAB</b>	
3	8/25	Unicellular Organisms	1
4	9/1	Fungi	2
5	9/8	Plants	3
6	9/15	Animal Diversity, part 1	4a
7	9/22	Animal Diversity, part 2	4b
8	<b>9/29</b>	<b>Lab Practical #1</b>	1-4b
9	10/6	Animal Tissues	5
10	10/13	Circulation and Respiration	6
11	10/20	Frog Dissection	7
12	10/27	ELISA	8
13	11/3	Human Strength and Fitness	9
14	11/10	Life Table Analysis	10
15	<b>11/17</b>	<b>Lab Practical #2</b>	5-10
16	<b>11/24</b>	<b>NO LAB</b>	

**\*lab schedule is subject to change**