

BIOL 1108L: Principles of Biology II Laboratory  
Department of Biology, College of Science and Math, Valdosta State  
University Fall 2022; Syllabus

**Instructor:** Mr. Joshua Brown

**Laboratory:** BSC 1073          Section A: Tuesday, 2:00 – 4:50 PM  
   Section C: Wednesday, 2:00 – 4:50 PM

**Office:** Bailey Science Center, Room 2209; Phone: 219-3615, [Joshuabrown@valdosta.edu](mailto:Joshuabrown@valdosta.edu),  
Office hours: Tues/Thurs 12:30 - 1:30 PM or by appointment.

**Course Description:** A laboratory course to accompany BIOL 1108, with exercises dealing with anatomy and physiology of plants and animals.

**Course Prerequisites:** Grade of C or better in BIOL 1107 and 1107L or permission of instructor

**Course Overview:** This lab is a companion to BIOL 1108. Lab exercises will provide you greater insight into the physiological processes of plants and animals. The lab will also introduce you to the diversity of life within the animal and plant Kingdoms as well as highlight evolutionary relationships among the phyla within these Kingdoms.

See Department of Biology Educational Outcomes and the University General Educational Outcomes as listed at the end of this syllabus

**Required materials:**

Lab Text: Grove, T. 2015. Biology Lab Manual. This is an e-book lab manual. You can purchase the lab manual in one of two ways:

1. Purchase an Access Cod at the Valdosta State University Bookstore and use the code to access the lab manual at <https://www.grlcontent.com/>
2. Purchase the Access Code directly through the publisher at the web site <https://www.grlcontent.com/>. The second option is less expensive than option #1 but you cannot use your VSU student aid, you must use a credit or debit card.

**How to Use the Lab Manual:** The lab manual is an online manual. I will go over how to use this manual during the first week of class. But, briefly, each lab includes all the content necessary to understand and complete the lab. You are required to read the background information and complete the pre-lab assignment before coming to lab. The page after the pre-lab assignment contains pdfs of the exercises that you will complete during lab and another pdf with all the background information. You can either view these documents on your phone, tablet, laptop computer, etc. in lab, OR you can print them off.

You will need to be able to view the background information during lab in order to complete each lab, but you do NOT need to print them off if you have an electronic method for looking at the information. There are no computers in the lab for you to use

**Attendance:** Lab will be held weekly. Our lab is scheduled for 2 hours and 50 minutes each session. You are still responsible for any work/information missed if you were absent.

**Communication:** I mainly use Outlook for communication. I check email often and am usually quick to respond. Please only email during appropriate hours, if you email me during odd hours of the night, I will not respond. Do not email me a couple of hours before an assignment is due. If you are having issues, there is almost nothing I can do to help in such a short time frame. I strongly recommend you check your email often. You could potentially miss out on important information from me if you don't.

"I didn't see your email" is not an excuse....

Be **courteous**, I will not respond to rude/overtly negative emails.

### **Lab/homework assignments, attendance and practical exams**

#### **Pre-lab and Post lab assignments:**

Each week there will be Pre-lab and Post-lab online assignments. Pre-lab online assignments must be completed by the start of the lab session. Pre-lab assignments will be worth 0 or 5 points (0 points if not completed and 5 points if completed). You must get at least one correct to get credit for it, so do not just answer the questions without reading.

Online post-lab assignments through the lab manual will close on the week of the lab practical. So you will have plenty of time to get them done. I will provide you with a schedule of due dates for pre-lab and post-lab assignments.

**I will not be reopening pre/post lab assignments for any reason.**

#### **Homework assignments:**

There will be several assignments given from the lab manual. No late assignments (unless I approve an exception) and no emailed assignments will be accepted. Do not assume that you will have time immediately before lab to print assignments or finish online assignments; nonfunctional printers, no paper, slow internet etc. are not acceptable reasons for why you did not complete an assignment. It is good practice to plan ahead and have assignments completed and/or printed the day before your lab.

#### **Lab Practical Exams:**

There will be two lab practical exams, each worth 100 points. One will cover the unit on plants, and one will cover the unit on animal diversity and physiology. Questions will be based on whole specimens positioned around the lab. Lab practical exams can only be taken the day that they are scheduled. For many of you a lab practical is a new form of examination. Practicals test what you have learned across the labs by asking you questions requiring your prior observations, descriptions, and interpretation of materials explored in the lab. So, use the time in lab wisely to expand upon the information and assignments given to you in the lab manual. Then go back and study prior to the in lab practical.

#### **Lab grade**

55 points	Pre – lab assignments
110 points	Post – lab assignments
35 points	Misc. assignments
200 points	Lab Practical Exams
<b>400 points</b>	<b>Class total</b>

#### **Grade breakdown**

<b>A</b>	<b>360 – 400</b>
<b>B</b>	<b>320 – 359</b>
<b>C</b>	<b>280 – 319</b>
<b>D</b>	<b>240 – 279</b>
<b>F</b>	<b>0 - 239</b>

**Attendance Policy:** This course follows the university policy on class absences:

“Whether online or face-to-face, a student who misses or does not participate in more than 20% of the scheduled course or course activities could be subject to receiving a failing grade in the course” – 2019-2020 Undergraduate Catalog

Also, as stated in the Undergraduate Catalog, “the University does not issue an excuse to students for class absences. In case of absences as a result of illness or special situations, instructors may be informed of reasons for absences, but these are not excuses”. I will consider all absences on a case-by-case basis.

Students who miss **3 or more labs during the course of the semester** could be subject to the stated policy. If you are absent from lab or know you will be absent from lab, please contact me within 24 hours with the reason. If I consider it an excused absence, I may be able to give you an opportunity to attend another lab session during that same week.

No labs can be made up once the week has ended.

Athletes and other University representatives: Please let me know in advance if you will be missing a lab due to an away game or other required event. We can make arrangements for you to attend an alternative lab section.

**Lab Conduct:**

- Arrive on time – I do not block students from coming in late, however, I will not stop in the middle of lab to get you caught up. This does not apply for lab practical days.
- You will maintain a lab notebook for taking lecture notes, recording lab data, preparing drawings of specimens and microscopic slides, etc. The notebook, along with the online lab manual, will be a great help to you as you prepare for the lab practical exams.
- No eating or drinking during the lab!!
- Students must take care of lab equipment. Notify the professor if something is not working properly or if something breaks during the course of the lab
- Each student will be assigned a microscope. It is the student’s responsibility to properly use the microscope. Notify the professor if your microscope is not functioning properly.
- No phone calls!! – Cell phones are only to be used for lab purposes (taking pictures, calculator, timer, etc.)

**Academic Integrity:** By taking this course, you agree that all required course work may be subject to submission for textual similarity review to Turnitin, a tool within BlazeVIEW.

You are here to be assessed on YOUR work. You are only doing yourself a disservice by cheating as you will have a harder time in upper division courses. Plagiarism is a form of cheating. You cannot copy someone else’s work and pass it off as your own.

Incidents of cheating or plagiarism will result in an automatic F for the course and referral to The Office of Student Conduct for disciplinary action. For VSU’s Academic Integrity Code please see <http://www.valdosta.edu/administration/student-affairs/student-conduct-office/> For VSU’s Academic Honesty policies and procedure please see <http://www.valdosta.edu/academics/academic-affairs/vp-office/academic-honesty-policies-and-procedures.php>

**Mid-term, or in-progress grades:** The instructor is required to submit in-progress grades prior to mid-term. I will assign an overall average grade at this point on the normal scale of A-F viewable on Banner. Students receiving a grade of “D” or lower should therefore carefully evaluate their option of dropping this course by midterm without academic penalty

### **COVID INFORMATION:**

The University System of Georgia recognizes COVID-19 vaccines offer safe, effective protection and urges all students, faculty, staff and visitors to get vaccinated either on campus or with a local provider. Additionally, everyone is encouraged to wear a mask or face covering while inside campus facilities. The system continues to work closely with the Georgia Department of Public Health to prioritize the health and safety of our campus communities.

- All faculty, staff, and students are strongly encouraged to receive a COVID-19 vaccine.
- No student, faculty or staff member should be treated differently based on their COVID-19 vaccination status.
- Students should not be asked about their vaccine status and segregated in a classroom or from other instructor-student interactions (e.g., office hours, group work, field trips, labs, etc.) based on their vaccination status.
- Vaccination status can be used to determine whether or not a person should quarantine after a close contact with a person who tests positive for COVID-19.
- Masks/face coverings are not required on campus. Two exceptions may apply on campuses – health center/medical facility and public transit. Un-vaccinated individuals are strongly encouraged to continue wearing a mask or face covering.
- Institutions will return to campus in the fall with no social distancing measures. Un-vaccinated individuals are strongly encouraged to continue social distancing whenever possible.

### **Coronavirus Resources for Students:**

VSU cares about student success both on and offline, and a variety of resources are available to help students both academically and personally during the Spring 2022 semester.

One of the best resources is VSU’s Coronavirus FAQ page located at <https://www.valdosta.edu/health-advisory/faq.php>. Information is available there about a variety of topics in VSU’s return-to-campus plan. A website devoted to the health and wellness of VSU students can be seen at <https://www.valdosta.edu/administration/finance-admin/campus-wellness/student-resources.php>.

You can find information, including how you can access the Brightspace Pulse app that will allow you to view BlazeVIEW on your smartphone at <https://www.d2l.com/products/pulse/>. In BlazeVIEW, all VSU students have a course with guides for how to use tools in BlazeVIEW; search for “VSU BlazeVIEW Student Tutorial 2022.”

Covid operating guidelines: <https://www.valdosta.edu/campus-operations>

**Biology Tutoring:** The Academic Support Center (ASC) at Valdosta State University is located on the second floor of the Odum Library. The ASC provides free peer tutoring in core curriculum courses, including biology. Call 333-7570 to make an appointment, or visit their website at <https://www.valdosta.edu/asc/>

**Privacy Act (FERPA):** The Family Educational Rights and Privacy Act (FERPA) prohibits the public posting of grades by social security number or in any manner personally identifiable to the individual student. No grades can be given over the telephone or over email because positive identification can't be made.

### **Non-Discrimination and Title IX Statement**

Valdosta State University (VSU) upholds all applicable laws and policies regarding discrimination on the basis of race, color, sex (including sexual harassment and pregnancy), sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. The University prohibits specific forms of behavior that violate Title IX of the Education Amendments of 1972. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in education programs and activities that receive federal funding. VSU considers sex discrimination in any form to be a serious offense. Title IX refers to all forms of sex discrimination committed against others, including but not limited to: sexual harassment, sexual assault, sexual misconduct, and sexual violence by other employees, students or third parties and gender inequity or unfair treatment based on an individual's sex/gender. The designated Title IX Coordinator for VSU is Mr. Darius Thomas. To view the full policy or to report an incident visit: <https://www.valdosta.edu/administration/student-affairs/title-ix/>

### **Accommodations Statement:**

Students with disabilities who are experiencing barriers in this course may contact the Access Office (<https://www.valdosta.edu/student/disability/>) for assistance in determining and implementing reasonable accommodations. The Access Office is located in University Center Room 4136 Entrance 5. The phone numbers are 229-245-2498 (V), 229-375-5871. For more information, please visit VSU's Access Office or email: [access@valdosta.edu](mailto:access@valdosta.edu). To request reasonable accommodations for pregnancy and childbirth, contact Christina Kidd, Student Conduct Coordinator at [chkidd@valdosta.edu](mailto:chkidd@valdosta.edu). Please note, you will be required to provide documentation from an appropriately licensed medical professional indicating the requested accommodations are medically necessary.

**Campus Gun Carry Statement (HB 280):** If you choose to carry a concealed weapon on campus, you are responsible for knowing and following the law. Refer here for FAQ: <https://www.valdosta.edu/administration/finance-admin/police/campuscarry/>

**SOI Statement:** At the end of the term, all students will be expected to complete an online Student Opinion of Instruction survey (SOI) that will be available through SmartEvals. Students will receive an email notification through their VSU email address.

**TENTATIVE LAB SCHEDULE AND TOPICS Fall 2022**

Week of Aug 16-18	No labs first week
Week of Aug. 23-25	Lab 1 - Introduction to Basic Statistics
Week of Aug. 30- Sep. 1	Lab 2 – Non-vascular plants
Week of Sep. 6-8	Lab 3 – Vascular Plants
Week of Sep. 13-15	Lab 4 – Plant cells, organs, and growth
Week of Sep. 20-22	Lab 5 & 6 – Angio Dev/Plant growth
<b>Week of Sep. 26-29</b>	<b>Lab Practical #1 Plant Divers&amp;Phys</b>
Week of Oct. 4-6	Lab 7 – Animal diversity I
<b>Week of Oct. 11-13</b>	<b>Fall break: No class</b>
Week of Oct. 18-20	Lab 8 – Animal diversity II
Week of Oct. 25-27	Lab 9 – Intro to Animal tissue
Week of Nov. 1-3	Lab10 – Fetal pig anatomy
Week of Nov. 8-10	Lab 11 – Sensory systems
Week of Nov. 15-17	Lab 12 – Cardiovascular system
<b>Week of Nov. 22-24</b>	<b>Thanksgiving holiday: No class</b>
<b>Week of Nov. 29- Dec 1</b>	<b>Lab Practical #2 – Animal diversity &amp; physiology</b>

<b>Biology 1108L Fall 2022 lab schedule Sections A &amp; C</b>				
	<b>Online Pre-Lab</b>		<b>Online Post-Lab</b>	
<b>Scheduled lab</b>	<b>Open</b>	<b>Close</b>	<b>Open</b>	<b>Close</b>
Lab 1	N/A	N/A	N/A	N/A
Lab 2	15-Aug	30-Aug	30-Aug	26-Sep
Lab 3	15-Aug	6-Sep	6-Sep	26-Sep
Lab 4	15-Aug	13-Sep	13-Sep	26-Sep
Lab 5&6	15-Aug	20-Sep	20-Sep	26-Sep
Lab Practical #1	Lab exam this week			
Lab 7	26-Sep	4-Oct	4-Oct	29-Nov
No lab	Fall break			
Lab 8	26-Sep	18-Oct	18-Oct	29-Nov
Lab 9	26-Sep	25-Oct	25-Oct	29-Nov
Lab 10	26-Sep	1-Nov	1-Nov	29-Nov
Lab 11	26-Sep	8-Nov	8-Nov	29-Nov
Lab 12	26-Sep	15-Nov	15-Nov	29-Nov
No lab	Thanksgiving break			
Lab Practical #2	Lab exam this week			

**This syllabus is tentative and is subject to change at the discretion of the instructor.**