

**BIOL 1108L: Principles of Biology Laboratory II (0-3-1)**  
**Valdosta State University, Biology Department, College of Science & Math**  
**Fall 2021: Laboratory Syllabus**

**Laboratory Sections:**     **C**     **(CRN # 24678): T**   9:30 a.m. -- 12:20 p.m. – **BC 1073**  
                                  **H**     **(CRN # 24683): R**   2:00 p.m. – 4:50 p.m. – **BC 1073**

**NOTE:** During the drop/add period, each lab section will be split into two groups to maintain social distancing using a seating chart as follows:

<b>Section C:</b>	Group A-	9:30 am – 10:55 am	<b>Section H:</b>	Group A-	2:00 – 3:25 pm
	Group B-	10:55 am – 12:20 pm		Group B-	3:25 – 4:50 pm

**Instructor:** Dr. Brian C. Ring  
Office: BC 2084  
Office hours: **M & W** 12:30 p.m. – 1:45 p.m. or by appointment- Use *Microsoft Teams* to voice or video chat in lieu of F2F office time during this pandemic.  
Phone: 249-4841 (Dept. office 333-5759)  
Email: bcring@valdosta.edu (**please use D2L first please**)

**Prerequisite:** BIOL 1107 Unifying Principles of Biology I & Lab or permission of the instructor. Note a grade of C or higher is required in both the above lecture and lab, along with all science & math courses in the Science major.

**Course Description:** An introduction to physiological processes in plants and animals. Structure, nutrition, transport, coordination, reproduction, and development will be addressed.

**Required Laboratory Manual:** Grove, T.J. Biology Lab Manual. Great River Learning, ISBN 9781680750201, available from the bookstore or publisher at [grtep.com](http://grtep.com).

**Note:** You must register for the online lab manual using the access code from the bookstore or directly with publisher on their website.

**Information about the Lab Manual:** The lab manual is an online manual. I will go over how to use this manual during the first lab period. 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 online 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. **After completion of a lab you will have a week to complete the post-lab quiz online. For the first unit on animal biology you are required to bring a printed copy of the lab exercises 7-11 and either a printed copy of the background information or show me your electronic access to the background information.** I will bring handouts for the first statistics lab 1, but I will not bring handouts for any of the later labs. For the rest of the semester you should either bring hard copies or be able to view these documents on your phone, tablet, laptop computer, etc. in lab.

**Course Goals:** The primary goal of this course is to introduce structure-function relationships and physiological processes of plants and animals. This is the second introductory course, and it is expected that you are familiar with topics covered in BIOL1107 so that you can build on your foundational knowledge of biology. At the end of the semester you will be able to successfully complete higher-level courses as a science major.

**Course Objectives:** Upon completion of this course the student should be able to:

Increase your understanding of structure-function relationships in biology

Increase your understanding of the physiology of the major systems in plants and animals including:

- Structure/function relationships
- Nutrition
- Transport
- Movement
- Reproduction
- Development
- Sensory systems

**Grading:**

**Lab Practicals:** Two lab practicals are given during the course covering what you have learned on animals and plants. Each counts 100 points to your final lab grade (see schedule below). Note: For many of you a lab practical is a new form of examination. Practical exams 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.

**Miscellaneous Assignments:** During the course, students will be required to complete the online pre-

(V/VP) and 219-1348 (TTY) or visit the website or email [access@valdosta.edu](mailto:access@valdosta.edu).

**Title IX Statement:** Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, disability, genetic information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: the Director of the Office of Social Equity, [titleix@valdosta.edu](mailto:titleix@valdosta.edu), 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31698, 229-333-5463.

**Campus Gun Carry Statement (HB 280):** If you choose to carry a concealed weapon on campus (e.g. lab), you are responsible for knowing and following the law. Refer here for FAQ: