

**Bossier Parish Community College**  
**Master Syllabus**

**Course Prefix and Number:** BLGY 106L

**Credits Hours:** 1

**Course Title:** Elements of Biology II Lab

**Course Prerequisites/Corequisites:** BLGY 106

**Textbook:** Elements of Biology II Lab Manual, BPCC

**Course Description:** Laboratory designed to supplement Elements of Biology II for non-science majors. Withdrawal from lecture mandates withdrawal from laboratory.

**Learning Outcomes:**

At the end of this course, the student will

- A. utilize basic laboratory equipment to demonstrate knowledge of the biology of microorganisms, fungi, plants, and animals; and
- B. demonstrate knowledge of the basic anatomy and physiology of the human body.

To achieve learning outcomes, the student will

- 1. demonstrate the ability to utilize the light microscope (A)
- 2. classify the different types of bacteria based on their shape. (A)
- 3. identify common groups of protists and classify them based on their modes of motion and nutrition. (A)
- 4. identify common representatives of fungi. (A)
- 5. observe the characteristics of algae and lichens. (A)
- 6. observe the characteristics of ferns and mosses. (A)
- 7. identify the characteristic of seed plants. (A)
- 8. compare the characteristics of gymnosperms and angiosperms. (A)
- 9. identify the parts of a flower in the laboratory. (A)
- 10. identify the characteristics of roots, stems and leaves. (A)
- 11. name the major phyla of invertebrate animals and the characteristics of each phyla. (A)
- 12. describe and give characteristics of the major vertebrates. (A)
- 13. identify the major bones of the axial and appendicular skeletons. (B)
- 14. identify the three kinds of muscle tissue. (B)
- 15. identify some of the major muscles of the human body. (B)
- 16. trace the flow of blood through the heart and the human body. (B)
- 17. identify the major component of human blood. (B)
- 18. identify the major organs of the human digestive system. (B)
- 19. identify the major structures associated with the respiratory system. (B)
- 20. identify the major organs of the human reproductive system (B)

21. identify the major organs of the urinary system. (B)
22. identify the major components of human skin. (B)
23. identify the major components of the nervous system. (B)

### **Course Requirements**

- minimum average of 60% on lab exams

### **Course Grading Scale:**

- A- 90% or more of the total points possible for the semester; and meet all minimum course requirements
- B- 80% or more of the total points possible for the semester; and meet all minimum course requirements
- C- 70% or more of the total points possible for the semester; and meet all minimum course requirements
- D- 60% or more of the total points possible for the semester; and meet all minimum course requirements.
- F- less than 60% of the total points possible for the semester; and/or failure to meet one or more of the minimum course requirements

### **Nondiscrimination Statement**

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#### COORDINATOR FOR SECTION 504 AND ADA

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Reviewed: N. Hendrix / Spring 2019