

BIOLOGY 104 Introductory Biology II Laboratory

COURSE DESCRIPTION

BY 104. Introductory Biology Laboratory II (3). *Corequisite: BY 102.* This course reinforces lecture material and must be taken concurrently with BY 102.

TEXTS

A Biology Laboratory: An Inquiry Approach, Second Edition by Romano, Bowen and Blair, 2005. Kendall-Hunt Pub. Co. 978-0-7575-2496-7

Instructional Kit: All students must purchase a BY104 Instructional Kit from the bookstore prior to attending lab. You will use the materials within this kit during your first lab exercise.

OBJECTIVES

This course is designed to introduce the student to the concepts and processes of biology. Thus, the specific objectives of this course are to gain understanding, insight, and appreciation the following:

- The attainment of some technological skills.
- The ability to interpret data and communicate conclusions to others.
- The ability to understand and apply the scientific method .
- The diversity of life on this planet and their possible origins.
- An understanding of the ethical, technological, and environmental implications of biology.
- How these organisms are organized and how they function, especially vertebrates.
- How organisms interact with and adapt to their surrounding environments.
- How the process of evolution works.

TOPICS

Tentative Lab schedule:

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	#18 – Exploring Vascular Plants: I Form and Function	207
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	#22 – Vertebrate Anatomy I	282
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	#25– Informed Decision Making: Local Perspectives II	285