

## **BIO 142: General Biology, part II**

### **Course description**

BIO 142. GENERAL BIOLOGY II. Basic principles of the life sciences providing the foundation for further study of biology. 3 lectures and 3 hours of laboratory weekly. Prerequisites: BIO 141; MAT 140 or 143; and Successful completion of ENG 101/RCA 021 or satisfactory score on SAT for exemption. Offered in spring and summer semesters. *4 credits*

**Goals & Objectives:** TBA

### **Topics covered**

- Ecology
  - o Population ecology
  - o Community ecology
  - o Ecosystems and energy flow
- Diversity of life
  - o Protista and fungi
  - o Plant evolution and diversity
  - o Animal evolution and diversity
- Plant form and function
  - o Plant sensory systems
  - o Plant nutrition
- Animal form and function
  - o Animal homeostasis and water/electrolyte balance
  - o Animal systems: Digestion, circulatory, respiratory, nervous
  - o Animal sensory systems
  - o Animal reproduction
  - o Muscle function