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