

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