Biology 102 General Biology

Student Learning Outcomes

- 1. Students will be able to compare and/or explain the anatomy and physiology of one or more of the major physiological systems in angiosperms.
- 2. Students will be able to compare and/or explain the anatomy and physiology of one or more of the major organ systems of vertebrates.
- 3. Students will be able to compare and/or explain the historical perspective leading to Charles Darwin's work on evolution by natural selection, as well as micro- and macro-evolutionary processes, and will be able to predict outcomes of population genetics models.
- 4. Students will be able to diagram and/or explain the major models of population growth, ecosystem ecology, and island biogeography.
- 5. Students will be able to analyze and develop hypotheses of evolutionary relationship using cladistics, and be able to identify defining characteristics and/or give examples of the evolution, anatomy and physiology of the major phyla of living organisms.