

Print Date: 7/15/14
Course Objectives/Course Outline
Spokane Community College

Course Title: Botany: Plant Structure and Function
Prefix and Course Number: BOT 111

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Understand the nature of scientific methods
- Understand why most living things are dependent on photoautotrophs
- Know the principal flowering plant structures, organs, and tissues including their structural and functional characteristics.
- Acquire knowledge of plant structure and physiological function in relation to the environment
- Acquire a basic knowledge of flowering plants

Course Outline:

- I. Scientific Methods
- II. Photoautotrophs
 - A. Relationships with living things
- III. Principal Flowering Plant Structures
 - A. Organs and tissues
 - B. Structural and functional characteristics
- IV. Plant Structure
 - A. Physiological function
 - B. Relationship to the environment
- V. Basic Knowledge of:
 - A. Flowering Plants and basic groups of:
 - B. Comparative anatomy
 - C. Morphology
 - D. Relationship of structure to function
 - E. Comparative reproduction
 - F. Natural history of selected taxa
 - G. Evolutionary relationships among major groups