BIOL117C : Introduction to Plant Biology

An introduction to the structure and physiology of plants at the molecular, cellular, and organismal levels; survey of major plant groups and their evolutionary relationships; and the relationships of plants to humans and other organisms.
Credits 4
Lab/Practicum/Clinical Hours 2
Lecture Hours 3
Prerequisites
Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.

- High school biology with lab or BIOL 100C

BIOL100C
Learning Outcomes
Upon completion of this course, students will:

1. Explain the classification of plants and differentiate between biomes.
2. Identify the structure and function of plant stems, roots, cells, tissues, and organelles.
3. Compare and contrast monocot, dicot, ferns, gymnosperms, bryophytes, seed and seedless plants, and other woody plants.
4. Define diffusion, osmosis, and explain how plants can transport and communicate between cells.
5. Describe photosynthesis and respiration by plants.
6. Evaluate the role of fungi and soil type for plant growth.