

## **SCI-111 - General Botany**

### **Outcomes:**

At the end of the semester the student is expected to understand and demonstrate knowledge of the following:

- \* the basic structure and organization of plants
- \* the anatomy and physiology of the different plant structures and their coordinated functions
- \* the process of photosynthesis and its importance to all living organisms
- \* the evolutionary path of the different group of plants, including recognizing and being able to give examples of organisms in each group
- \* the relationships between the presence, absence, or different forms of the anatomical characteristics of plants with the habitats and environmental conditions present
- \* the different types of relationships plants have with other groups of organisms
- \* the anatomy and evolutionary importance of the stems, roots, leaves, seeds, flowers, and fruits
- \* the internal and external physical and chemical factors that affect plant growth and development
- \* the laboratory skills associated with the objectives listed above
- \* how the facts learned can be used to explain current phenomena and trends that affect the organisms of the Kingdom Plantae.