

# SLO Presentation

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BOT

Date: 09/11/2019

<b>SCIENCE, ENGINEERING &amp; MATH</b>
BOT
<b>PSLO</b> No PSLOs
<b>CSLO</b> <b>BOT120 - Introduction to Plant Science</b> <ul style="list-style-type: none"><li>• B2. In lab, identify different taxa of photosynthetic organisms by observation and use of a dichotomous key</li><li>• B3. In lab, identify major plant communities, associated plant adaptations, and patterns of plant distribution</li><li>• In lab, apply scientific methodology by designing and conducting experiments, analyzing data, and communicating conclusions through a written paper and/or presentations</li><li>• Explain the scientific process and how it generates new knowledge</li><li>• Compare and contrast members of different taxa within the plant kingdom, and explain the difference between photosynthetic bacteria, algae, and plants</li><li>• Describe the macroscopic and microscopic anatomy of plants, algae, and photosynthetic bacteria and explain the relationship between structure and function</li><li>• Explain the basic principles of plant ecology and adaptations of plants to their environment</li><li>• Describe the mechanisms of regulation, communication, and defense in plants</li><li>• In lab, identify microscopic and macroscopic structures of plants, algae, and photosynthetic bacteria</li></ul>