UCDAVIS
UNIVERSITY OF CALIFORNIA

Program Learning Outcomes
Plant Biology

1. Describe the molecular and structural unity of all life, explain how the diversity of life is generated and perpetuated and exemplify this diversity among and within life's three domains.
2. Demonstrate knowledge of how genetics and biochemistry are used to elucidate cell organization and function
3. Demonstrate skill in communication of scientific data in standard format.
4. Demonstrate scientific quantitative skills, such as the ability to evaluate experimental design, read graphs, and use information from scientific papers.
5. Incorporating an evolutionary perspective, describe how plants develop from a single cell to a complex organism
6. Demonstrate an understanding of how plants sense and respond to environmental cues.
7. Demonstrate knowledge of the relationship between plant form and function, and apply that knowledge to issues that impact society.