PLANT BIOLOGY

Learning Outcomes

1. Know: Students will demonstrate in-depth knowledge of essential background and key developments in diverse areas of plant biology, and demonstrate knowledge of modern techniques/methodologies used in plant biology research.

2. Apply/Create: Students will demonstrate ability to design and carry out a major research project in the chosen area of plant biology, including formulating hypotheses based on previous work in the field, and assembling new findings into a written work that advances understanding in the field.

3. Think: Students will demonstrate ability to critically analyze work by others in their specialty area.

4. Communicate: Students will demonstrate ability to convey scientific ideas and results in clear, concise, and well-organized writing, as well as in formal oral or poster presentations at professional conferences/meetings.

5. Professional Practice: Students will demonstrate knowledge and comprehension of research ethics issues, including ethical principles related to authorship, research reporting, data fabrication, plagiarism, conflicts of interest, peer review, data sharing.

6. Teach: Students will demonstrate effective skills in undergraduate teaching using effective pedagogical practice.