Course Title: Advanced Studies in Plant Sciences

Course Number: BIOL-953/4

Term offered: Fall 2021

Coordinator: Dr. Wayne Snedden

Outline of Topics: An investigation of recent topics in plant molecular biology and biochemistry. Topics will be selected according to student interest but are likely to include adaptation to stress, protein structure/function, development, and plant biotechnology. Material will be drawn from recent primary literature.

Prerequisites: Basic undergraduate courses in plant biology and/or molecular genetics, biochemistry

Method of instruction: Group discussions (one 3 hour session per week), to be scheduled at 1st meeting.

Student participation: Student seminars, oral and written paper critiques, general discussion.

Evaluation:
Review article (approx. 15 page critical review of an approved topic): 40%
Major seminar (approx. 40 min. seminar on term paper): 20%
Paper presentations (presentation of articles for discussion by group): 2 x 5% = 10%
Written critiques (synopses of discussion papers): 2 x 5% = 10%
Participation (quality of contributions to discussions): 20%