**COURSE: BIOL402 Experiments in Plant Physiology**

**TERM: Winter 2025**

**INSTRUCTORS: Wayne Snedden, Barb Vanderbeld**

**COURSE COORDINATOR: Wayne Snedden**

SUMMARY:

This is the optional companion lab course for Biol341 (Plant Physiology). Students conduct guided laboratory investigations and complete an experiment-based independent research project. Typically, there are 2 lab sections per term, each with 5 hours of scheduled labs per week (1 x 2hr and 1 x 3hr), plus additional lab times as required in some weeks.

DUTIES:

* Assist with the preparation, set-up and clean-up of reagents/solutions, materials and laboratory equipment and ensure equipment is functioning properly before/after the labs.
* Assist with plant care, possibly outside of regular working hours (to be discussed). Completion of the Phytotron training module will be required. Experience with growing plants will be considered an asset.
* Supervise students during the labs and in the Phytotron when required, respond to their questions, assist when appropriate in the development of ideas for their independent projects, and ensure safe lab practise.
* Assist in marking quizzes, assignments, and the final lab test and lab reports if required.
* Labs begin in early January (Week 1), with some preparation required before this time, and marking and supervision may continue through April. If you are interested in applying for this position but if you may not be available for the entire term, or if you would like any additional information, please contact Barb ([vanderb@queensu.ca](mailto:vanderb@queensu.ca)).

PROFESSIONAL CONDUCT

All Biology TAs are required to adhere to the University's Code of Conduct, as described in Section 12 of the Queen's Graduate Calendar, and Section 4 of the Guide to Graduate Studies in Biology. As teachers of undergraduates, TAs are expected to recognize the seriousness of all forms of Academic Dishonesty, Harassment and Discrimination and to understand the rules governing such cases at Queen's.