

Biology of Fungi

PBIO 2770 – Summer, 2025

Dr. Terry Delaney (4 credits)



What you can expect in PBIO 2770

- 1) Collect and identify mushrooms and other macrofungi through examining field characters, laboratory study of macro- and microscopic traits, and other features. Through lecture and discussion, we will explore fungal genetics, ecology, evolution, and uses. We will enjoy extensive use of microscopes and related techniques.
- 2) Survey the major fungal groups, with emphasis on basidiomycetes (mushrooms and their kin) and ascomycetes (e.g. morels, cup fungi).
- 3) Recognize mushrooms that are sought as choice edibles, as well as those which are poisonous, or even deadly poisonous.
- 4) Learn the unique and shared features of each group, including biology, form, and reproductive strategies. Discuss key ecological roles played by fungi, as decomposers, mutualist symbionts, and as pathogens.
- 5) Highlight species that have impacted human health, demographics, and culture! Discuss fungi cultivation.

Time: May 19-June 13, Mondays-Thursdays, 8:50 AM-12:50 PM, 100 Jeffords Hall.
Open to UVM and other students, as well as to non-student learners.

(Also approved as a UVM Food Systems elective!)

UVM Summer University: <http://www.uvm.edu/~summer/>

