

Biology of Fungi

PBIO 177 (CRN-61662)– Summer, 2022

Dr. Terry Delaney (4 credits)

What you can expect in PBIO 177

- 1) Learn to identify mushrooms and other macrofungi through extensive field collecting & study, lecture & discussions, and lab study using field characters, microscopic traits, and other features. Learn microscopy 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, symbionts, pathogens.
- 5) Highlight species that have impacted human health, demographics, and culture! Discuss fungi cultivation.

COVID-19 Precautions: Extensive use of outdoor sites for collecting and in situ teaching. Laboratory-social distancing, masks, personal microscope, care.

Time: May 23-June 17, Mondays-Thursdays, 9:00 AM-12:45 PM, 100 Jeffords Hall.
Open to UVM and other students, as well as non-student learners.

Approved as UVM Food Systems elective!

*Graduate credit may be possible (inquire)

UVM Summer University: <http://www.uvm.edu/~summer/> (CRN-61662)

