

# FUNGAL ECOLOGY & EVOLUTION

DISCOVER THE HIDDEN WORLD OF FUNGI

FALL 2026

3 CR

From mushrooms and yeasts to microscopic symbionts and decomposers, fungi shape ecosystems, medicine, agriculture, and biotechnology. This course explores the biology, diversity, and evolution of fungi across the tree of life, combining lectures, hands-on labs, and field exploration.



## COURSE HIGHLIGHTS:

- Field trips to collect fungi
- Student research on a fungal genus
- Practical training in mycological techniques
- Exposure to fungal diversity from Chytrids to mushrooms, to pathogens

## WHAT YOU'LL LEARN:

- Life cycles, reproduction, and dispersal of fungi
- Ecological roles of Fungi in natural systems
- Culturing and lab techniques
- Phylogenetics

## COURSE INFORMATION

PLPT 496-003 – for undergrads

PLPT 892-017 – for graduate students

LECTURE:  
TUESDAYS & THURSDAYS  
10:00 AM – 11:15 AM

LABORATORY:  
WEDNESDAYS  
2:00 – 5:00 PM



INTERESTED? CONTACT DR. TEDDY GARCIA-AROCA  
FOR ENROLLMENT APPROVAL

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