

# Ecology 8000, Fall 2022

August 18, 2022

# Goals for the course

- Provide intellectual cohesion and familiarity with a range of concepts
- Promote broad thinking outside of one's own subdiscipline; illustrate that thinking broadly often leads to better science
- Getting comfortable outside one's comfort zone
- Establish a common vocabulary and base of concepts
- Facilitate active engagement
- How to discern the cutting edge of a discipline
- Build the strength/sense of the cohort

# Course overview

- Introduction: Day 1
- 4 Modules
- Transition days between modules
- Research project (ideally during field trip to UGAMI, Sapelo Island, GA)
- Final wrap up day

August				September				October				November				December															
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17															
18	23	25	30	1	6	8	13	15	20	22	27	29	4	6	11	13	18	20	25	27	1	3	8	10	15	17	22	24	29	1	6

- Gray - Non-module days
- Light Green - denotes the day before the field trip
- Each color block is a module

# Introduction

- Important aspects of graduate school:
  - ▶ Your peers are resources
  - ▶ You are a member of the community
  - ▶ Empowerment
  - ▶ Discussions and conversations are where the magic happens
- What is ecology?
- What makes a good scientist?

# Introduction

- Important aspects of graduate school:
  - ▶ Your peers are resources
  - ▶ You are a member of the community
  - ▶ Empowerment
  - ▶ Discussions and conversations are where the magic happens
- What is ecology?
- What makes a good scientist?

# Introduction

- Important aspects of graduate school:
  - ▶ Your peers are resources
  - ▶ You are a member of the community
  - ▶ Empowerment
  - ▶ Discussions and conversations are where the magic happens
- What is ecology?
- What makes a good scientist?

## Field trip details

- Leave Friday morning
- Friday afternoon: quick survey to familiarize with Sapelo, craft a study proposal and present to the group Friday night
- Stay in Sapelo housing (we will cook meals in the kitchens together - everyone will contribute  $\approx$  \$20 for food)
- Saturday: collect data
- Saturday evening: start analyzing data
- Sunday AM through early afternoon: complete analysis, make presentations
- Return Sunday evening

# Review paper

- *Trends in Ecology and Evolution* (*TREE*) format review/synthesis paper
- Will be reviewed by a faculty member, a senior graduate student and someone in the class
- Outline due 9/8 by 5 pm
- First draft due 10/13 at 5 pm
- First submission due 11/11 by 5 pm
- Peer reviews returned by 11/27 at 5 pm
- Final submission that incorporates reviewers' comments along with cover letter due 12/17 at 5 pm