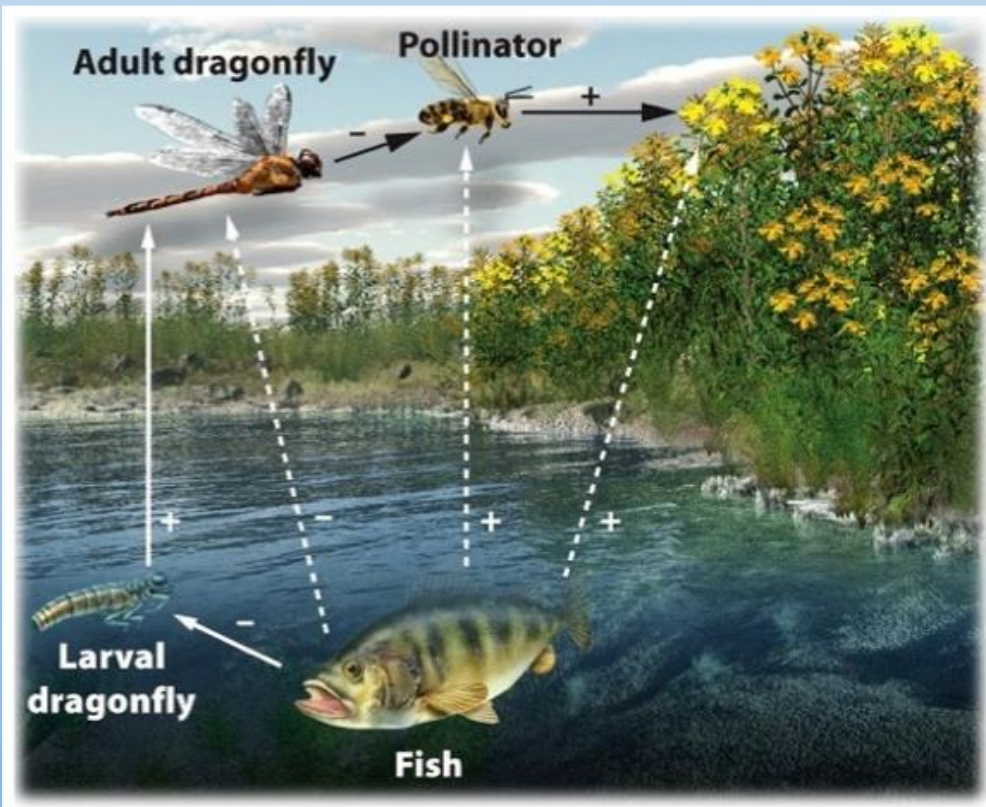


# Predator Ecology

Spring 2023

TBA



## Suitable for:

**Graduate students, advanced undergraduates** with a specific interest in predator ecology, ecology and evolutionary biology

**Discussion-based course** on recent book, Predator Ecology, and primary literature to better understand predators as the fundamental link between:

- Individuals
- Populations
- Eco-evolutionary dynamics
- Structure and dynamics of ecological communities

Predator-prey interactions are the fulcrum upon which ecosystem dynamics are balanced. Understanding predator prey interaction strengths, which reflects all the behaviors, traits, and strategies that predators use to capture prey and that prey use to avoid being captured, is paramount to understanding how ecological communities function. Viewed through this lens, predator-prey interactions provide a window into past evolution that arose from predator-prey arms races, and a glimpse into the future evolutionary trajectories of both predators and prey.