

# AMATH 535



## MATHEMATICAL ECOLOGY

Amath 535 is a spring course in mathematical ecology. This course considers models, methods, and issues in population and community ecology. Topics will include population models; the effects of density dependence, delays, and demographic stochasticity; population interactions (predation, competition, and mutualism); models for the management of renewable resources; and spatial models for biological invasions.

Spring 2021. 5 credits.

M, W, F 12:30–1:20 pm

Virtual Classroom

Instructor: Mark Kot, Lewis 230B

Email: [mark\\_kot@comcast.net](mailto:mark_kot@comcast.net)

