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 the effects of density dependence, biological delays, and demographic stochasticity; population interactions (predation, competition, and mutualism); applications of optimal control theory to the management of renewable resources; and simple spatial models for biological invasions.

Spring 2019. 5 credits.
M, W, F 12:30–1:20 pm
111 Denny Hall
Instructor: Mark Kot, Lewis 230B
Email: mark_kot@comcast.net