

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 2017. 5 credits.

M, W, F 10:30–11:20

Instructor: Mark Kot, Lewis 230B

Email: mark_kot@comcast.net

