

AMATH 535

MATHEMATICAL ECOLOGY

The Department of Applied Mathematics is offering a new spring course in mathematical ecology. This course considers models, methods, and issues in population ecology. Topics include the effects of density dependence, delays, demographic stochasticity, and age structure on population growth; population interactions (predation, competition, and mutualism); and applications of optimal control theory to the management of renewable resources.

Spring 2011. 5 credits.

M, W, F 1:30–2:20

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