

Applied Mathematics Seminar



Dr. Robert Kipka

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Friday, March 21 **1-1:50pm**

MAK A-2-610 (PCS) or [via zoom](#) (request password from ortizron at gvsu dot edu)

Discrete Models in Action

Abstract: In this talk we present case studies from conservation biology and scheduling that introduce and illustrate ideas from discrete mathematics. In the first, we model the dynamics of Michigan's wolf population using data from the Michigan DNR, where observations are available only annually. In the second, we solve a complex scheduling problem with over 100 variables restricted to binary values of 0 or 1. These models illustrate the usefulness of discrete mathematics in real-world, data-informed contexts.



More info: <http://bit.ly/applied-math-seminar>

**Hosted by the Mathematics Department, GVSU