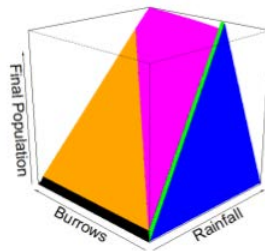
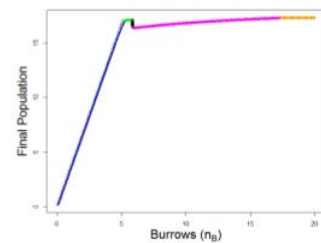
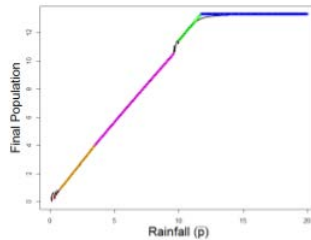
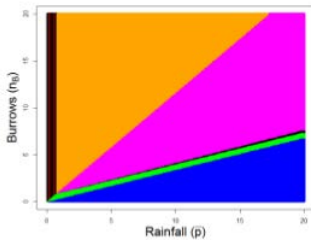


Department of Mathematics

Fall 2016 Colloquium Series



“Mathematical Modeling in Ecology”

Christopher Dugaw, Humboldt State University

Thursday, November 3, 2016

Behavioral and Social Sciences Building Room 166, 4 pm

Many textbooks present models of animal populations as simple applications of mathematics because the models seem simple to comprehend and do not involve more abstract scientific concepts such as energy and force. However, ecology is a much more complicated field than these models suggest. I will provide some simple guidelines on the use of mathematical models in the science of ecology, and present examples from my own research to illustrate these concepts. The focus will be on how model formulation and results relate to the science, rather than on specific mathematical detail.

Christopher Dugaw has been a math professor at HSU since 2005. He received a BS degree in Math/Biology from Western Washington University in 1997, an MS degree in Applied Mathematics from University of Washington in 1999, and a PhD in Applied Mathematics from UC Davis in 2003. Dr. Dugaw's research has focused on application of mathematics to ecology.

For a complete abstract, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

We cordially invite you to the Pre-Colloquium Tea on the third floor of the BSS

building at 3:30 pm on Thursday.