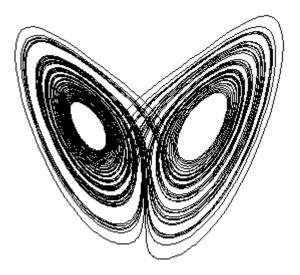


This course explores different methods of modeling a variety of population interactions as well as the methods of analyzing these models.

The topics will include species *competition*, *predation*, *mutualism*, *extinction*, *persistence*, and *density dependence*.



Additionally, models involving interactions between *age classes, multiple patches*, and *harvesting* will be studied.

We will also cover topics dealing with *stability*, *bifurcations*, and *chaos*.

Prerequisites are Calculus or permission from the instructor. For questions or further information please email Dr. Chan at dmchan@vcu.edu.