Game Theory  
Math 304  
Prof: Matt DeVos

What do Chess, The Prisoner’s Dilemma, and Rock/Paper/Scissors have to do with competing businesses, and Evolutionary Biology? All of these are elements of Game Theory, a rich subject with great relevance for real world decision making. In this course, you will learn how to:

• Win impartial games  
• Divide a cake fairly  
• Determine the strength of a voting block  
• Negotiate a fair outcome  
• Predict genetic balances in species

Grading: 1/6 homework, 1/6 midterm, 1/3 project, 1/3 final

Prerequisites: Math 240 or 232, and Math 152 or 155 or 158