

University of Virginia

Undergraduate Mathematics Lecture Series

# The Mathematics of Card Shuffling Shuffling Shuffling Shuffling



How many shuffles does it take to mix up a deck of 52 cards? Professor Brown will explain how to turn this question into a math problem involving the theory of Markov chains and will give some indication of how it is solved.

No math knowledge beyond first-year calculus is required.



**Ken Brown**

Professor of Mathematics at Cornell University

November 10, 2006

4:00-5:00pm

Maury Hall, Room 115

Organizer: Irina Mitrea, Department of Mathematics