# Finished Math 35100?

## Spring 2012
## Math 35300 (class number 14278):
## Linear Algebra II with Applications
## TuTh 12:00 – 1:15

Machine Computation
Applications
Theory

# MORE Linear Algebra!

Gambler's Ruin &
Discrete Markov Chains
Least Squares Estimation
Orthogonality & Projections
Application to Cost Accounting
More Eigenvalues & Eigenvectors
The Jordan Canonical Form Theorem
Systems of Linear Differential Equations
Hermitian Matrices & the Spectral Theorem

Linear algebra is one of the most applicable areas of mathematics, but only since the development of digital computers have the applications blossomed. Linear algebra also has a rich theoretical heritage and this course will include both aspects. Furthermore, the course will incorporate machine computation (using *MATLAB®*) into the homework and some parts of the tests. For more information, check

www.math.iupui.edu/~ccowen/Math353.html

Math 351 & 353 are a 'two course sequence' for the Pure Math and the Applied Math options!