Date	Section/Topic
W 9/1/10	First Day Handout; §1.1 – Basic Concepts and Taylor's Theorem
M $9/6/10$	Labor Day Holiday
W $9/8/10$	$\S 2.1$ – Floating-Point Numbers and Roundoff Errors
M $9/13/10$	$\S 2.2$ – Absolute and Relative Errors: Loss of Significance
W $9/15/10$	$\S 2.3$ – Stable and Unstable Computations: Conditioning
M $9/20/10$	3.1 - Bisection Method
W $9/22/10$	3.2 - Newton's Method
M $9/27/10$	3.2 – Newton's Method for Nonlinear Systems
W $9/29/10$	$\S3.4$ – Fixed Points and Functional Iteration
M $10/4/10$	3.6 – Homotopy and Continuation Methods
W $10/6/10$	6.1 - Polynomial Interpolation
M $10/11/10$	6.2 - Divided Differences
W $10/13/10$	6.1 - Chebyshev Polynomials
M $10/18/10$	MIDTERM EXAM
W $10/20/10$	6.4 – Spline Interpolation
M $10/25/10$	6.8 – Best Approximation: Least-Squares Theory
W $10/27/10$	6.12 - Trigonometric Interpolation
M $11/1/10$	6.13 - Fast Fourier Transform

Math 620, Fall 2010, Tentative Schedule:

Date	Section/Topic
W $11/3/10$	6.13 - Fast Fourier Transform
M $11/8/10$	$\S7.1$ –Numerical Differentiation and Richardson Extrapolation
W $11/10/10$	§7.2 – Numerical Integration Based on Interpolation
M $11/15/10$	§7.3 – Gaussian Quadrature
W $11/17/10$	§7.5 – Adaptive Quadrature
M $11/22/10$	$\S8.2$ – Taylor-Series Methods
W $11/24/10$	THANKSGIVING BREAK (university open, but class cancelled)
M $11/29/10$	8.3 - Runge-Kutta Methods
W $12/1/10$	8.4 - Multistep Methods
M $12/6/10$	8.4 - Multistep Methods
W $12/8/10$	$\S8.5$ – Local and Global Errors: Stability
M $12/13/10$	§Review for Final Exam
M $12/20/10$	FINAL EXAM