Math 341, Fall 2002, Tentative Schedule:

Date	Section/Topic
W 8/28/02	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
W 9/4/02	§1.2 – Review of Taylor Series §2.1 – Representation of Numbers in Different Bases
M 9/9/02	§2.2 – Floating Point Representation
W 9/11/02	§2.2 – Floating Point Representation §2.3 – Loss of Significance
M 9/16/02	§3.1 – Bisection Method
W 9/18/02	§3.2 – Newton's Method
M 9/23/02	§3.3 – Secant Method
W 9/25/02	§4.1 – Polynomial Interpolation
M 9/30/02	§4.1 – Polynomial Interpolation
W 10/2/02	§4.2 – Errors in Polynomial Interpolation
M 10/7/02	§4.2 – Errors in Polynomial Interpolation §4.3 – Estimating Derivatives
W 10/9/02	§5.2 – Trapezoid Rule
M 10/14/02	§5.4 – An Adaptive Simpson's Scheme
W 10/16/02	§5.5 – Gaussian Quadrature Formulas
M 10/21/02	§5.5 – Gaussian Quadrature Formulas
W 10/23/02	Review for Midterm

Date	Section/Topic
M 10/28/02	**Midterm Exam §1.0 – 5.4**
W 10/30/02	§6.1 – Naive Gaussian Elimination
M 11/4/02	§6.2 – Gaussian Elimination with Scaled Partial Pivoting
W 11/6/02	§6.2 – Gaussian Elimination with Scaled Partial Pivoting
M 11/11/02	§6.3 – Tridiagonal and Banded Systems
W 11/13/02	§6.4 – LU Factorization
M 11/18/02	§6.4 – Singular Value Decomposition (SVD)
W 11/20/02	§6.5 – Iterative Solution of Linear Equations
M 11/25/02	§7.2 – Natural Cubic Splines
W 11/27/02	§7.2 – Natural Cubic Splines
M 12/2/02	§8.1 – Taylor Series Methods
W 12/4/02	§8.2 – Runge-Kutta Methods
M 12/9/02	Review for Final Exam
M 12/16/02	**Final Exam**