Math 341, Fall 2001, Tentative Schedule:

Date	Section/Topic
Th 8/30/01	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
Tu 9/4/01	§2.1 – Representation of Numbers in Different Bases §2.2 – Floating Point Representation
Th 9/6/01	§2.2 – Floating Point Representation
Tu 9/11/01	§2.3 – Loss of Significance
Th 9/13/01	§3.1 – Bisection Method
Tu 9/18/01	§3.2 – Newton's Method
Th 9/20/01	§3.3 – Secant Method
Tu 9/25/01	§4.1 – Polynomial Interpolation
Th 9/27/01	§4.2 – Errors in Polynomial Interpolation
Tu 10/2/01	§4.3 – Estimating Derivatives and Richardson Extrapolation
Th 10/4/01	§5.1 – Definite Integral
Tu 10/9/01	§5.2 – Trapezoid Rule
Th 10/11/01	§5.3 – Romberg Algorithm
Tu 10/16/01	§5.4 – An Adaptive Simpson's Scheme
Th 10/18/01	§5.5 – Gaussian Quadrature Formulas
Tu 10/23/01	Review for Midterm
Th 10/25/01	**Midterm Exam §1.0 – 5.4**

Date	Section/Topic
Tu 10/30/01	Guest lecturer?
Th 11/1/01	§6.1 – Naive Gaussian Elimination
Tu 11/6/01	§6.2 – Gaussian Elimination with Scaled Partial Pivoting
Th 11/8/01	§6.3 – Tridiagonal and Banded Systems
Tu 11/13/01	§6.4 – LU Factorization
Th 11/15/01	§6.5 – Iterative Solution of Linear Equations
Tu 11/20/01	§7.1 – First-Degree and Second-Degree Splines
Th 11/22/01	THANKSGIVING BREAK
Tu 11/27/01	§7.2 – Natural Cubic Splines
Th 11/29/01	§8.1 – Taylor Series Methods
Tu 12/4/01	§8.2 – Runge-Kutta Methods
Th 12/6/01	§8.3 – Stability and Adaptive Runge-Kutta and Multi-Step Methods
Tu 12/11/01	Review for Final Exam
Tu 12/18/01	Final Exam