Math 341, Fall 2003, Tentative Schedule:

Date	Section/Topic
W 8/27/03	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
W 9/3/03	§1.2 – Review of Taylor Series §2.1 – Representation of Numbers in Different Bases
M 9/8/03	§2.2 – Floating Point Representation
W 9/10/03	§2.2 – Floating Point Representation §2.3 – Loss of Significance
M 9/15/03	§3.1 – Bisection Method
W 9/17/03	§3.2 – Newton's Method
M 9/22/03	§3.3 – Secant Method
W 9/24/03	§4.1 – Polynomial Interpolation
M 9/29/03	§4.1 – Polynomial Interpolation
W 10/1/03	§4.2 – Errors in Polynomial Interpolation
M 10/6/03	§4.2 – Errors in Polynomial Interpolation
W 10/8/03	§5.2 – Trapezoid Rule
M 10/13/03	§6.1 – An Adaptive Simpson's Scheme
W 10/15/03	§6.2 – Gaussian Quadrature Formulas
M 10/20/03	§6.2 – Gaussian Quadrature Formulas
W 10/22/03	Review for Midterm
M 10/27/03	**Midterm Exam §1.0 – 6.2**

Date	Section/Topic
W 10/29/03	§7.1 – Naive Gaussian Elimination
M 11/3/03	§7.2 – Gaussian Elimination with Scaled Partial Pivoting
W 11/5/03	§7.3 – Tridiagonal and Banded Systems
M 11/10/03	§8.1 – LU Factorization
W 11/12/03	§8.2 – Iterative Solution of Linear Equations
M 11/17/03	§8.3 – Singular Value Decomposition (SVD)
W 11/19/03	§9.2 – Natural Cubic Splines
M 11/24/03	§9.2 – Natural Cubic Splines
W 11/26/03	§10.1 – Taylor Series Methods
M 12/1/03	§10.2 – Runge-Kutta Methods
W 12/3/03	§12.1 – Method of Least Squares
M 12/8/03	Review for Final Exam
M 12/15/03	**Final Exam**