Math 341, Spring 2005, Tentative Schedule:

Date	Section/Topic
Tu 2/1/05	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
Th 2/3/05	§1.2 – Review of Taylor Series §2.1 – Representation of Numbers in Different Bases
Tu 2/8/05	§2.2 – Floating Point Representation
Th 2/10/05	§2.2 – Floating Point Representation §2.3 – Loss of Significance
Tu 2/15/05	§3.1 – Bisection Method
Th 2/17/05	§3.2 – Newton's Method
Tu 2/22/05	§3.3 – Secant Method
Th 2/24/05	§4.1 – Polynomial Interpolation
Tu 3/1/05	§4.1 – Polynomial Interpolation
Th 3/3/05	§4.2 – Errors in Polynomial Interpolation
Tu 3/8/05	§4.2 – Errors in Polynomial Interpolation
Th 3/10/05	§5.2 – Trapezoid Rule
Tu 3/15/05	§6.1 – An Adaptive Simpson's Scheme
Th 3/17/05	§6.2 – Gaussian Quadrature Formulas
Tu 3/22/05	**Spring Break**
Th 3/24/05	**Spring Break**
Tu 3/29/05	§6.2 – Gaussian Quadrature Formulas

Date	Section/Topic
Th 3/31/05	Review for Midterm
Tu 4/5/05	**Midterm Exam §1.0 – 6.2**
Th 4/7/05	§7.1 – Naive Gaussian Elimination
Tu 4/12/05	§7.2 – Gaussian Elimination with Scaled Partial Pivoting
Th 4/14/05	§7.3 – Tridiagonal and Banded Systems
Tu 4/19/05	§8.1 – LU Factorization
Th 4/21/05	§8.2 – Iterative Solution of Linear Equations
Tu 4/26/05	§8.3 – Singular Value Decomposition (SVD)
Th 4/28/05	§9.2 – Natural Cubic Splines
Tu 5/3/05	§9.2 – Natural Cubic Splines
Th 5/5/05	§10.1 – Taylor Series Methods
Tu 5/10/05	§10.2 – Runge-Kutta Methods
Th 5/12/05	§12.1 – Method of Least Squares
Tu 5/17/05	Review for Final Exam
Th 5/19/05	**Final Exam**