Math 341, Spring 2012, Tentative Schedule:

Date	Section/Topic
M 1/30/12	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
W 2/1/12	§1.2 – Review of Taylor Series §2.1 – Representation of Numbers in Different Bases
M 2/6/12	§2.2 – Floating Point Representation
W 2/8/12	§2.2 – Floating Point Representation §2.3 – Loss of Significance
M 2/13/12	§3.1 – Bisection Method
W 2/15/12	§3.2 – Newton's Method
M 2/20/12	§3.3 – Secant Method
W 2/22/12	§4.1 – Polynomial Interpolation
M 2/27/12	§4.1 – Polynomial Interpolation
W 2/29/12	§4.2 – Errors in Polynomial Interpolation
M 3/5/12	§4.2 – Errors in Polynomial Interpolation
W 3/7/12	§5.2 – Trapezoid Rule
M 3/12/12	§6.1 – An Adaptive Simpson's Scheme
W 3/14/12	**Midterm Exam §1.0 − 6.1**
M 3/19/12	**Spring Break**
W 3/21/12	**Spring Break**
M 3/26/12	§6.2 – Gaussian Quadrature Formulas

Date	Section/Topic
W 3/28/12	§6.2 – Gaussian Quadrature Formulas
M 4/2/12	§7.1 – Naive Gaussian Elimination
W 4/4/12	§7.2 – Gaussian Elimination with Scaled Partial Pivoting
M 4/9/12	§7.3 – Tridiagonal and Banded Systems
W 4/11/12	§8.1 – LU Factorization
M 4/16/12	§8.2 – Iterative Solution of Linear Equations
W 4/18/12	§8.3 – Singular Value Decomposition (SVD)
M 4/23/12	§9.2 – Natural Cubic Splines
W 4/25/12	§9.2 – Natural Cubic Splines
M 4/30/12	§10.1 – Taylor Series Methods
W 5/2/12	§10.2 – Runge-Kutta Methods
M 5/7/12	§12.1 – Method of Least Squares
W 5/9/12	Review for Final Exam
W 5/16/12	**Final Exam**