Math/CS 4334, Fall 2014, Tentative Schedule:

Date	Section/Topic
M 8/25/14	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
W 8/27/14	§1.2 – Review of Taylor Series §1.3 – Representation of Numbers in Different Bases
M 9/1/14	**Labor Day Holiday**
W 9/3/14	MATLAB Demo
M 9/8/14	§1.3 – Floating Point Representation
W 9/10/14	§1.4 – Loss of Significance
M 9/15/14	§3.1 – Bisection Method
W 9/17/14	§3.2 – Newton's Method
M 9/22/14	§3.3 – Secant Method
W 9/24/14	§4.1 – Polynomial Interpolation
M 9/29/14	§4.1 – Polynomial Interpolation
W 10/1/14	§4.2 – Errors in Polynomial Interpolation
M 10/6/14	§4.2 – Errors in Polynomial Interpolation
W 10/8/14	§5.1 – Trapezoid Rule
M 10/13/14	§5.3 – An Adaptive Simpson's Scheme
W 10/15/14	**Midterm Exam §1.0 − 5.1**
M 10/20/14	§5.4 – Gaussian Quadrature Formulas

Date	Section/Topic
W 10/22/14	§5.4 – Gaussian Quadrature Formulas
M 10/27/14	§2.1 – Naive Gaussian Elimination
W 10/29/14	§2.2 – Gaussian Elimination with Scaled Partial Pivoting
M 11/3/14	§2.2 – Gaussian Elimination with Scaled Partial Pivoting
W 11/5/14	§2.3 – Tridiagonal and Banded Systems
M 11/10/14	§8.1 – LU Factorization
W 11/12/14	§8.4 – Iterative Solution of Linear Equations
M 11/17/14	§8.2 – Singular Value Decomposition (SVD)
W 11/19/14	§6.2 – Singular Value Decomposition (SVD)
M 11/24/14	**Fall Break**
W 11/26/14	**Fall Break**
M 12/1/14	§7.1 – Taylor Series Methods
W 12/3/14	§7.2 – Runge-Kutta Methods
M 12/8/14	§9.1 – Method of Least Squares
W 12/10/14	Review for Final Exam
TBD	**Final Exam**