Math/CS 4334, Fall 2015, Tentative Schedule:

Date	Section/Topic
M 8/24/15	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
W 8/26/15	§1.2 – Review of Taylor Series §1.3 – Representation of Numbers in Different Bases
M 8/31/15	Computer Lab: Meet in 1st floor of Founders, Brazos Lab
W 9/2/15	§1.3 – Floating Point Representation
M 9/7/15	**Labor Day Holiday**
W 9/9/15	§1.4 – Loss of Significance
M 9/14/15	§3.1 – Bisection Method
W 9/16/15	§3.2 – Newton's Method
M 9/21/15	§3.3 – Secant Method
W 9/23/15	§4.1 – Polynomial Interpolation
M 9/28/15	§4.1 – Polynomial Interpolation
W 9/30/15	§4.2 – Errors in Polynomial Interpolation
M 10/5/15	§4.2 – Errors in Polynomial Interpolation
W 10/7/15	§5.1 – Trapezoid Rule
M 10/12/15	§5.3 – An Adaptive Simpson's Scheme
W 10/14/15	**Midterm Exam §1.0 – 5.1**
M 10/19/15	§5.4 – Gaussian Quadrature Formulas

Date	Section/Topic
W 10/21/15	§5.4 – Gaussian Quadrature Formulas
M 10/26/15	§2.1 – Naive Gaussian Elimination
W 10/28/15	§2.2 – Gaussian Elimination with Scaled Partial Pivoting
M 11/2/15	§2.2 – Gaussian Elimination with Scaled Partial Pivoting
W 11/4/15	§2.3 – Tridiagonal and Banded Systems
M 11/9/15	§8.1 – LU Factorization
W 11/11/15	§8.4 – Iterative Solution of Linear Equations
M 11/16/15	§8.2 – Singular Value Decomposition (SVD)
W 11/18/15	§6.2 – Singular Value Decomposition (SVD)
M 11/23/15	**Fall Break**
W 11/25/15	**Fall Break**
M 11/30/15	§7.1 – Taylor Series Methods
W 12/2/15	§7.2 – Runge-Kutta Methods
M 12/7/15	§9.1 – Method of Least Squares
W 12/9/15	Review for Final Exam
TBD	**Final Exam**