

Math/CS 4334, Spring 2017, Tentative Schedule:

Date	Section/Topic
M 1/9/17	First Day Handout; §1.0 – Preliminary Remarks §1.2 – Review of Taylor Series
W 1/11/17	§1.2 – Review of Taylor Series §1.3 – Representation of Numbers in Different Bases
M 1/16/17	MLK Day Holiday
W 1/18/17	Computer Lab
M 1/23/17	§1.3 – Floating Point Representation
W 1/25/17	§1.4 – Loss of Significance
M 1/30/17	§3.1 – Bisection Method
W 2/1/17	§3.2 – Newton's Method
M 2/6/17	§3.3 – Secant Method
W 2/8/17	§4.1 – Polynomial Interpolation
M 2/13/17	§4.1 – Polynomial Interpolation
W 2/15/17	§4.2 – Errors in Polynomial Interpolation
M 2/20/17	§4.2 – Errors in Polynomial Interpolation
W 2/22/17	§5.1 – Trapezoid Rule
M 2/27/17	§5.3 – An Adaptive Simpson's Scheme
W 3/1/17	Midterm Exam §1.0 – 5.1
M 3/6/17	§5.4 – Gaussian Quadrature Formulas

Date	Section/Topic
W 3/8/17	§5.4 – Gaussian Quadrature Formulas
M 3/13/17	Spring Break
W 3/15/17	Spring Break
M 3/20/17	§2.1 – Naive Gaussian Elimination
W 3/22/17	§2.3 – Tridiagonal and Banded Systems
M 3/27/17	§2.2 – Gaussian Elimination with Scaled Partial Pivoting
W 3/29/17	§2.2 – Gaussian Elimination with Scaled Partial Pivoting
M 4/3/17	§8.1 – LU Factorization
W 4/5/17	§8.4 – Iterative Solution of Linear Equations
M 4/10/17	§8.2 – Singular Value Decomposition (SVD)
W 4/12/17	§6.2 – Singular Value Decomposition (SVD)
M 4/17/17	§7.1 – Taylor Series Methods
W 4/19/17	§7.2 – Runge-Kutta Methods
M 4/24/17	§9.1 – Method of Least Squares
W 4/26/17	Review for Final Exam
TBD	Final Exam