Instructor: D. L. Russell  
Telephone: (540) 231 6171  
E-mail: russell@math.vt.edu (Preferred!)  
Web Site: http://www.math.vt.edu/people/russell  
Office: 418 McBryde Hall  
Class meets: TR, 11:00 am - 12:15 pm, Surge 104D.

Disclaimer  This document represents the instructor’s intended administration of the class. Changing circumstances may require minor modifications.

Instructor Availability  The instructor will normally lecture for one hour and reserve the last 10-15 minutes of each class period for individual questions and other non-lecture activities. The instructor will be available in his office Tuesday afternoons, 3:30 pm. to 4:30 p.m.; other times by individual appointment.


Subject Material  Laplace and Fourier transforms with applications, some material on vectors and matrices leading up to and including the discrete Fourier transform; Fourier series and applications; eigenfunction expansions (if time permits).

Basis for Grading  The final grade will be based on the student’s total point score from approximately 600 points available, distributed as follows:

- Three in-class exams: 100 points ea., 300 points total;
- In-class quizzes (5 or more): 150 pts. total;
- Two computer projects: 75 points ea., 150 points total.

The three exams and the quizzes are closed book except for possible take home components. However, students may prepare, for each exam or quiz, a crib sheet consisting of a single sheet of paper on which they may write anything they wish - both sides. Suggested exercises will be assigned; these will not be graded but should be worked in a notebook kept available for inspection on request from the instructor. All graded work must be picked up by the student for full credit.

Grading Schedule; Curving  The following percentages of total point scores will be sufficient for the grade indicated: A: 90% and better; B: 80% and better; C: 70% and better; D: 60% and better. Grades for 50% to 59% will be given at the discretion of the instructor. No passing grade will be awarded for total point score percentages less than 50%. A curving process will be applied to the final point distribution for eligible students. To be eligible for this curving process, all exams and projects and all but one of the quizzes must be completed in a timely manner.