CSc 3200
Introduction to Numerical Methods

Instructor : Fikret Ercal - Office: CS 314, Phone: 341-4857
E-mail & URL : ercal@mst.edu http://web.mst.edu/~ercal/index.html
Office Hours : posted on the class website

**If there is no prior notice and the instructor is late for the class, students are expected to wait ~8 minutes before they leave the classroom.

Grader : see the CS-3200 homepage for the name and the e-mail information


Objectives : Learn MATLAB, engineering problem solving, error analysis, Taylor series, finding roots of equations, computational techniques to solve linear equations, interpolation, curve fitting, numerical differentiation and integration, numerical solution of ordinary differential equations, optimization

Planning to cover: Parts of chapters 1, 2, 3, 4, 5, 6, 9, 10, 11, 17, 18, 21, 22, 23, 25

CLASS POLICIES

- Class notes (in PPT), syllabus, homework assignments, MATLAB programs, announcements, and other related materials can be accessed on the WWW at the address:
  http://web.mst.edu/~ercal/228/228.html
  Make sure that you regularly check this address for announcements and course related materials.

- Students are expected to attend all classes unless they have a reasonable excuse for being absent. Students who have poor performance and their advisors will be notified through the Academic Alert System.

- When in class, you are expected to turn off all pagers, phones, and beepers.

- It is assumed that you have taken Calculus II and an introductory computer programming class as prerequisites.

- Projects and homeworks must be an individual effort unless stated otherwise. Academic dishonesty including cheating, plagiarism or sabotage will not be tolerated.

- Any student inquiring about academic accommodations because of a disability will be referred to Disability Support Services (http://dss.mst.edu/) so that appropriate and reasonable accommodative services can be determined and recommended.

- **No late homework or project will be accepted. Do not submit an electronic copy via e-mail.** Always bring a hardcopy to the class. If you are unable to turn in an assignment on time, you must notify me one class before the deadline.

GRADING:

3 Tests (~600 points), 3 assignments (~300 points)

Scale for Early Grades: A ($\geq 90\%$), B ($\geq 75\%$), C ($\geq 60\%$), D ($\geq 45\%$), F (<45%)
Scale for Final Grades: A ($\geq 87\%$), B ($\geq 72\%$), C ($\geq 57\%$), D ($\geq 42\%$), F (<42%)