Exam 1 is Wednesday in class.

Please come early and help set up the classroom.

Allowed:

1. A **basic scientific calculator (bring this!!!)**
   (NO graphing calculators)
2. An 8.5 by 11 inch sheet of handwritten notes (front/back)
3. A pencil or black/blue pen

Details and rules:

1. 4-5 pages of questions, 50 minutes, use your time effectively.
   Time is a factor!

2. Show your work!

3. Clearly indicate the work you want grade, put a box around your final answer.

4. We take cheating very seriously. There may be multiple test versions. Do not copy of a neighbor. Do not let your eyes wander. I report many cases to the academic misconduct board each year often because a student happened to see the answer or work of a neighbor and copied it down.

Quick Review:

Exam 1 is about 1st order differential equations

Ch. 1 Differential Equation Basics

- Given a sol'n form, find constants

- Identify slope fields

2.1 Integrating factor method

2.2 Separable Equations

2.3 Applications

   - Know homework and handouts

   - Know basic translation tools

2.5 Equilibrium Analysis

2.7 Euler's Method

Algebra/calculus skills:

a. Finding constants of integration.
b. Solving for y(t) to get in explicit form.
c. Integrating with substitution.
d. Integrating by parts.
e. Integrating with partial factions.
f. Knowing our table of integrals.