Policies:

1. If you have any questions or concerns about this course, don’t hesitate to talk with me.

2. Course grades are determined by a total of 350 points:
   - 200 pts  2 exams
   - 150 pts  homework
   The tentative grade scale is: A (326-350), A- (315-325), B+ (305-314), B (291-304), B- (280-290), C+ (270-279), C (256-269), C- (245-255), D+ (235-244), D (221-234), D- (210-220), F (0-209).

3. Homework problems will be assigned and collected regularly. Some problems are analytical, worked on paper, and some involve writing computer codes in MATLAB. A student version of MATLAB is available on My Akron.

4. There will be two exams, the second one during Final Exam week. The first exam will cover differentiation and ODEs. The second exam will cover PDEs. Exams will have both computational and theoretical questions, with an emphasis on calculation and implementation of methods. If you are unable to take an exam, contact me as soon as possible to determine if a make up exam will be allowed.

5. All University regulations apply to this course. In particular, the policies concerning academic dishonesty, sexual harassment and withdrawal from a course apply. March 7 is the last day to withdraw.

Tentative Syllabus – any changes will be announced in class

1. Numerical Differentiation (chapter 6 of optional text) – 2 weeks
2. Numerical Solutions of Ordinary Differential Equations (chapter 9 of optional text) – 5 weeks
3. Exam 1 will probably be during Week 8

Learning Outcomes
Students are expected to be able to convert initial value problems for ordinary and partial differential equations into discretized form, write computer code to solve the problems numerically, and interpret results.