**CLASS**:  MAT 361-001        8:00-9:15  TR  BR 164            Spring, 2013

**INSTRUCTOR**:   Dr. Kenneth Gurganus                    **OFFICE**:  BR 220     **PHONE**:   962-3297

**WEB PAGE**:        http://people.uncw.edu/gurganusk        **E-MAIL**:  gurganus@uncw.edu

**TEXT**: *Elementary Differential Equations  (10ᵗʰ edition)* by Boyce and DiPrima

**SYLLABUS (with tentative hour test dates):**
1.1-1.3 & 2.1-2.7     Jan. 31
2.8 & 3.1-3.6         Feb. 21
4.1-4.4 & 5.1-5.7    Mar. 26
Additional topics from Chapters 6 & 8 will be included on the final exam, specifically 6.1-6.5 and 8.1-8.4.
Final Exam (cumulative):  Thursday, May 2, 8:00-11:00 AM.

**OTHER IMPORTANT DATES**:
Wednesday, Jan. 9—first day of classes.
Jan. 21, March 4, 5, 6, 7, 8, 28, 29 —University holiday periods-no classes.
Wed., Jan. 16—last day to add or drop without grade.
Wed., Feb 27—last day to withdraw for undergraduates.
Fri., April 26—last day of classes.
The class period before each test will contain a review/problem session.

**OFFICE HOURS**:  8:30-9:45 AM MWF and 9:15-9:45 AM TR with additional times by arrangement.
Subject to change during the semester.  If you see me and need help regardless of the time, just ask.

**GRADING**:  Each of the hour tests and the final will be graded on a ten point scale:
90-100 A; 80-89 B; 70-79 C; 60-69 D.
If I feel it is justified, some adjustment downward may be made at times.
"Plus or minus grading may be awarded at the discretion of the faculty [UNCW Catalogue]."
The test average will count approximately 60% of the final grade, and the final exam approximately 20%.

**HOMEWORK** will be regularly assigned but generally not collected only because you should do much more homework than I can possibly have graded.  You will be notified in advance that some assignments are to be collected and graded.  Other graded assignments of generally no more than one or two problems may be assigned, done, and collected within a single class meeting with or without prior notice.  There may be open or closed book assignments.  Such assignments along with homework will account for approximately 20% of the final grade.

**ATTENDANCE** is to be regularly taken an  is expected of every student.  It is definitely your responsibility to learn all material covered and this can best be achieved by regular class attendance and by keeping up with the daily pace of the class.

**MAKE-UP TESTS** will not be given unless you have a reason for missing a test that I determine valid.  Even then I reserve the option of using the corresponding portion of the final exam for a make-up test.  If you know that you will miss a test, let me know before the test if possible.  In any case, inform me as soon as possible.

**THE FINAL EXAM** will cover the entire course and will be graded two ways.  The entire final exam grade will count approximately 20% of the final grade.  If there is improvement over any hour test grade (or homework average), that hour test grade will be replaced by the weighted average of the final exam grade and the test grade with the higher exam grade weighted three times more than the hour test grade.

**UNCW'S ACADEMIC HONOR CODE** applies to all members of the university community.  All students are expected to read and abide by the Academic Honor Code that is in the Student Handbook and Code of Student Life.

**STUDENTS WITH DISABILITIES:**  If you have a disability and need reasonable accommodation in this course, you should inform the instructor of this fact in writing within the first week of class or as soon as possible.  If you have not already done so, you must register with the Office of Disability Services in De Paolo Hall and obtain a copy of your Accommodation Letter.  You should then meet with your instructor to make mutually agreeable arrangements based on the recommendations of the Accommodation Letter

**In accordance with North Carolina G.S. 116-11(3a),** you are entitled to two excused absences for religious observances per academic year. In order to preserve your right to make up any tests or other work missed for religious observance required by your faith, you must inform the Registrar in writing of your intended absence before the end of the first week of class.

## The Purpose of MAT 361 in Your Mathematics Program at UNCW

A student who successfully completes MAT 361 should be able to:

(a)  independently and actively read , investigate and apply theory and techniques regarding the major themes of introductory ordinary differential equations

(b)  write proofs of elementary theorems and calculate solutions to problems related to the topics within the MAT 361 catalogue description:

**MAT 361.  Differential Equations (3)**  Prerequisite:  MAT 261.  Theory, methods of solution, and applications of ordinary differential equations with emphasis on first order equations and linear equations.  Additional topics from power series solutions, Laplace transforms, linear systems, and numerical methods.

(c)  demonstrate improved  mathematical manipulation, modeling, and reasoning skills.