MATH 3120-001, DIFFERENTIAL EQUATIONS, FALL 2015

INSTRUCTOR: Professor R. Triggiani
Office: Dunn 239, e-mail R.Triggiani@memphis.edu
Office Hours: M: 4-5; F: 12:25-1:20; F: 4-5; by appointment via e-mail.
Section 001: Lectures MWF: 11:30-12:25am, Dunn 225
TEXT: A first course in Differential equations, 10th Edition. Dennis Zill:
"A First Course in Differential Equations". We will cover Chapters 1-5; 7-8.

OVERVIEW. Differential equations model diverse systems in all scientific and
engineering disciplines. The course is an introduction to the techniques for solving some
special classes of such differential equations. The course will show how the mathematical
properties of these equations and their solutions can lead to a deeper understanding of
evolving systems.

FORMAT. Three lecture classes/week. ATTENDANCE IS REQUIRED. Attendance will
be monitored. Excessive absence will be just cause for lowering a student's final grade by
up to a full letter grade. PREREQUISITES MUST BE SATISFIED AND WILL BE
CHECKED the first day of class.

WEEKLY QUIZZES. There will be weekly 10-minute quizzes, typically on FRIDs.
Each quiz will be worth 15 points. The highest 10 scores will count for the full credit of
150 points. Missed quizzes cannot be made up.

HOMEWORK: HW will be assigned at every lecture and collected once a week by FRID
5PM (or may be returned to me at the end of my FR lecture). Please, hand in your HW in
a neat and legible form. Late HW will not be accepted. HW assignments are NOT
pledged and may be discussed with others.

EXAMS. There will be three tests and a final examination. Anticipated dates of tests are
as follows: Test #1: WED SEPT 23 (class time); Test #2: FRI OCT 23 (class time); Test
#3: FRI NOV 20 (class time). There will be no make-up exams, unless truly exceptional
circumstances arise which need to be duly documented to the instructor's satisfaction.
Grades on tests/quizzes are final after one week. The Final Exam is comprehensive.
Early examinations are NOT permitted. Calculators are NOT allowed during
Tests/Exams. CHEATING AT THE EXAMS WILL BE PROSECUTED.

GRADING. Course grades will be based on the following point distribution (Total: 1,000
points): HW 100 points; ten quizzes 150 points; three tests of 150 points each, for a total
of 450 points; Final Exam: 300 pts. Tentative grade scale:
A: 900-1000; B: 750-899; C: 600- 749; D: 500-599; F: below 500.