

UNIVERSITY OF CENTRAL FLORIDA
Department of Mathematics
Summer 2007

MAP 2302

Differential Equations

Credit: 3 Hours

Class Time: MTWR 1:00-1:50 PM

Classroom: MAP 407

Instructors:

Dr. Alvaro Bolano-Delahoz

Office: MAP 124

Phone: 407-823-4310

abolanoz@mail.ucf.edu

Dr. Zuhair Nashed

Office: MAP 230A

Phone: 407-823-0045

znashed@mail.ucf.edu

Office Hours: TWR 12:00 – 12:50 Bolano-Delahoz
MTW 2:00 - 2:50 Nashed

Text: Dennis G. Zill, A First Course in Differential Equations (The classic Fifth Edition).

Course Description: (Prerequisite: MAP 2313) Methods of solutions for first order equations. Linear equations (second and higher order). Laplace transforms. Series solutions. Selected applications. Systems of linear differential equations.

Contents from Textbook: Section 1.1, Examples 1,2,3,5,6,10,11 and 12 of Section 1.2. Sections 2.1, 2.2, 2.4-2.6. Selected applications from Chapter 3. Sections 4.1-4.7. Selected applications from Chapter 5. Sections 6.1-6.4. Sections 7.1-7.6. Sections 8.1-8.2.

Attendance: Students are expected to attend all classes. Please inform the instructor in advance if you plan to miss a lecture, if you need to leave early, or if you are expecting to be late. Please also observe the other rules of courtesy.

Homework: Homework problems will be assigned as soon as we finish each section in the textbook. The homework should be completed before the next time the class meets. Homework will not be graded, but students are expected to work all the assigned problems. Similar problems may be used in tests and final exam. Homework problems will be solved in class and review sessions.

Testing: There will be three tests and comprehensive 2 hour final examination. Each test will be worth 100 points and the final exam worth 200 points. There will be no make-up tests except for cases prescribed by University regulations.

Grading: No letter grades will be assigned for any exam. Letter grades will be assigned at the end of the semester. Estimates of the letter grades are based on the following percentages:
A = 90% and up, B = 80%-89%, C = 70% -79%, D= 60% - 69%, F = below 60%.
Percentage cutoffs for grades may be lowered at the discretion of the instructor, but may not be raised. Plus and minus grades will be used when appropriate. Grades of NC, S, or U will not be awarded in this course.

Important Dates:

Classes Begin: May 14, 2007

Classes End: August 3, 2007

The final exam will be given during the last two classes for this course: ***August 1 and 2 , 2007***

Last day for full refund: May 18, 2007

Withdrawal Deadline: ***June 22, 2007***

Summer Holidays:

Memorial Day: May 28, 2007

Independence Day: July 4, 2007