

# MATH 254 SPRING 2011

**Instructor:** Dr. Alan Newell

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**Location:** PAS 201

**Time:** Tuesdays & Thursdays 2:00-3:15 PM

**Texts:** Fundamentals of Differential Equations, 7th Edition, Nagle, Saff, and Snider (NSS),  
Publisher: Addison-Wesley-Pearson.

I suggest that you work in groups and that perhaps one book between group members may be sufficient. You will all have free access to course lecture notes on the sites listed below.

**Lecture Notes:** Available on Mathematics Department homepage.

<http://math.arizona.edu/~diffeg/>

Also available on <http://d2l.ltc.arizona.edu/>

**Exams:** Exam # 1. Thursday Feb. 17<sup>th</sup>, 2PM-3:15PM, PAS 201

Exam # 2. Thursday Mar. 31<sup>st</sup> 2PM-3:15PM, PAS 201

Final exam. Monday May 9<sup>th</sup> 3:30 PM -5:30PM, PAS 201

**SHW, GHW, Quizzes:** Every week, there will be set homework (SHW), graded homework (GHW) and a quiz. The SHW and GHW will be handed out every Thursday. You should hand in your GHW at your recitation session (no late entries accepted) which session will begin with a 10-15 minute QUIZ. Your first quiz will take place on Wednesday, January 19<sup>th</sup>, and the first GHW, handed out on Wednesday January 12<sup>th</sup> at your recitation, will also be due on January 19<sup>th</sup>. GHW may also be downloaded from the d2l site. You must attend your recitation class. You may do your HW (SHW and GHW) in teams but make sure that you understand the material. In quizzes and in exams, you are on your own.

**Marks:** Marks will be assigned as follows: 150 for GHW, 150 for quizzes, 200 for each midterm exam, and 300 for the final. There will be no make ups. If a student misses an exam, a GHW assignment or quiz for medical reasons (written excuse from doctor or medical clinic required), he or she will be given a mark for their assignment based on performance in the course (usually either the lowest or second lowest mark scored in other assignments).

**TA's:** The TA's for the course are Daniel Champion, Carlos Chiquete and Cong Xie. The office hours for Daniel Champion are Tuesdays from 8AM to 10AM. The office hours of Carlos Chiquete are Tuesdays at 10 AM and Thursdays at 3:30 PM. The office hours of Cong Xie are Tuesdays and Thursdays 3:30 PM - 4:30PM.

**To access or download software:**

1. You can access to the software JODE on d2l and on the Mathematics department course website.

<http://math.arizona.edu/~diffeq/2010/links.php>

2. You can also download the software JODE on the using the following link:

<http://alamos.math.arizona.edu/~rychlik/JODE/manual.html#downloading>

3. You can also use the CD which comes with the book.
4. You can also use MATLAB for ODES.

**To sign up on d2l for access to Math 254:** Once registered for the course, you will be automatically signed up for Math 254, d2l. Just sign in with your user name and password.

**Extra help:** The course instructor will be available every Wednesday from 3PM-4PM in Math East 142 and 5PM-6PM in Math 501. A special final help session will be held on Wednesday, May 4th, 5PM-6PM in room 501. In addition, I will be available on certain Wednesdays from 8AM-9AM in Math 501. These dates will be announced in class.

**Trial tests and trial finals :** On Tuesday Feb. 8th, Thursday Mar. 10<sup>th</sup>, and on Tuesday April 19<sup>th</sup>, you will receive trial exams. You may be sure that if you can do the questions on the trial tests, you will do very well in the examinations.