

THE UNIVERSITY OF TEXAS AT EL PASO

COLLEGE OF SCIENCE

Department Of Mathematical Sciences

Course #: MATH 2326 (CRN 11701) 17908 in afternoon
Course Title: Differential Equations
Credit Hrs: 3
Term: Fall 2016
Course Meetings & Location: TR 12:00 – 13:20, Cotton Memorial Building 201
Prerequisite Courses: MATH 1312 or MATH 2313
Course Fee (if applicable) None

Instructor: Dr. Son-Young Yi
Office Location: Bell Hall 218
Contact Info: E-mail syi@utep.edu
Phone (915) 747-6864
Office Hours: TR 10:00 ~ 11:00 or by appointment

Textbook(s), Materials: “Differential Equations, Fourth Edition,” Blanchard, Devaney, and Hall, Brooks & Cole, 2012.

Course Website: <http://www.math.utep.edu/faculty/yi/math2326f16.html>

Course Objectives
(Learning Outcomes): The main objectives of this course include showing the students how differential equations appear in real life and physical phenomena, and teach them the main three methods, namely analytic, geometric and numerical methods, for studying differential equations. By the end of the course, the students should be able to make mathematical models involving differential equations for problems encountered in engineering, social and physical sciences, and to solve them by using one or a combination of the methods mentioned above. They should therefore be prepared to successfully continue their studies towards more advanced and specialized courses in their field.

Course Activities/Assignments: Homework will be assigned and posted on the course website. It is essential for your success in this class that you diligently work all the homework problems. **No late homework** will be accepted for any reason. Only a couple of selected homework problems will be graded based on accuracy and the rest will be graded by completion. However, in-class quizzes will consist of one or more problems that are very similar to the homework problems. So, you should make sure that you can solve all the homework problems. It is expected that you spend an absolute minimum of six hours a week outside of class on solving homework problems, reading the textbook, and reviewing your class notes.

- Assessment of Course Objectives: Besides the homework assignments that were mentioned above, quizzes will regularly be given in class on almost every section that will be covered in class, and will count towards your final grade as explained below in the grading policy. In addition, there will be three midterms and one final comprehensive exam. The final exam is scheduled for **Tuesday, December 6 at 1 pm.**
- Grading Policy: Homework counts for 15% (two lowest homework scores will be dropped), in-class quizzes count for 15% (two lowest quiz scores will be dropped), two midterm exams count for 40% (the lowest midterm score will be dropped), and the final exam counts for 30%. For your final course grade, the usual grading scale will be used (90 or above for an A, 80 to 89 for a B, 70 to 79 for a C, 60 to 69 for a D, below 60 for an F).
Note: A grade of “I” (Incomplete) is only used in extraordinary circumstances confined to a limited event. If the student has missed a significant amount of work (e.g. multiple assignments or quizzes), a grade of Incomplete is not appropriate or warranted.
- Make-up Policy: **No make-up/alternate exam** will be given for any reason. One of your missed exam scores, if any, will be counted towards the lowest score drop.
- Course Drop Policy: The UTEP Fall 2016 drop deadline is **October 28, 2016**. The College of Science will remain aligned with the University and not approve any drop requests after that date.
- Attendance Policy: It is student’s responsibility to attend every class. Students are expected to arrive for class on time and to remain for the class entire period. Although student’s class participation do not affect directly his/her final grade, actively participating in classes will be considered when deciding about the final grades for the students on the border line (i.e. between C or D).
- Academic Integrity Policy: <http://admin.utep.edu/Default.aspx?PageContentID=2083&tabid=30292>
- Civility Statement: Please do not use cell phones, pagers, iPods, MP3 players, blue tooth devices, etc. during class. Cell phones and pagers should be set to silent or vibrate, and any calls should be taken outside of class. Please do not wear headsets or blue tooth devices during class.

Disability Statement:

If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.

Military Statement:

If you are a military student with the potential of being called to military service and/or training during the semester, please contact me by the end of the first week of class.