

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATH

Course #: Math 2326
Course Title: Differential Equations
Credit Hrs: 3
Term: Summer 2020
Course Meetings & Location: Online via Blackboard
Prerequisite Courses: Math 1312 with a grade of at least C.

Instructor: Francisco Avila
Office Location:
Contact Info: 747-8752
E-mail address: favila2@utep.edu
Emergency Contact: (915) 747-5761 (Math Department)
Office Hours: MTWR 11:00am – 1:00pm
Textbook(s), Materials: Required: Blanchard, Devaney and Hall, *Differential Equations*, Fourth Edition
Required: Scientific Calculator

Course Objectives (Learning Outcomes): **Contents:** This course is devoted to the study of ordinary differential equations in the context of dynamical systems. Modeling, separation of variables, qualitative and numerical methods, equilibria and bifurcations, linear systems, driven oscillations, real and complex solutions.

Objectives: To introduce topics to practice with strong emphasis on applications. The goals are to learn basic concepts, theory, methods and applications of ordinary differential equations with emphasis on modeling and dynamics.

Course Activities/Assignments: Reading and homework assignments will be given every day. One project will be assigned each week. These assignments are to be completed as scheduled. Late work is generally not accepted. However, assignments may be rescheduled for a limited number of emergency situations if you discuss your situation with me before (not on and especially not after) the scheduled due date. Students must read the material posted on blackboard and/or textbook sections before completing the homework assignments. If you have questions about the topics and/or homework assignments, connect to the online sessions with the instructor and/or during the TA's office hours.

Assessment of Course Objectives: There will be 2 partial exams and one comprehensive final. NO EXTRA CREDIT OR CURVES ON EXAMS. NO REPLACEMENT OF EXAM WITH FINAL EXAM.

Grading Policy: Your grade will be calculated as follows:

Homework	20%
Exam 1	20%
Exam 2	20%
Comprehensive Final	30%
Projects	10%

The grading scale for this course is:

90 – 100 = A

80 – 89 = B

70 – 79 = C

60 – 69 = D

0 – 59 = F.

The Drop Date for this semester is Friday July 24th, 2020. No drops will be approved after this date.

Make-up Policy: No makeup exams will be allowed except with proper documentation, i.e. doctor's note, hospital's note, or UTEP excused absence document.

Attendance Policy: If you do not submit any homework assignment by July 9 at 11:59 PM, then you will be dropped from this class for lack of effort. You are expected to work toward completion of the course assignments daily. You are expected to attend all class meetings via Blackboard Collaborative Ultra. However, if you do not submit any homework assignment for three consecutive business days, then you will be dropped from this class due to lack of effort. You are expected to check Blackboard and your miners email regularly for announcements.

Civility Statement: All correspondence/communication with your instructor and other students should be conducted in an appropriate manner.

Video or pictures of lectures must have written consent from the instructor and student(s).

Final Exam Date: **Monday, August 3rd.**

Academic Integrity Policy: The University policy is that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Each student is responsible for notice of and compliance with the provisions of the Regents' Rules and Regulations, which are available for inspection electronically at <http://www.utsystem.edu/bor/rules/homepage.htm>.

All students are expected and required to obey the law, to comply with the Regents' [Rules and Regulations](#), with System and University rules, with directives issued by an administrative official in the course of his or her authorized duties, and to observe standards of conduct appropriate for the University. A student who enrolls at the University is charged with the obligation to conduct himself/herself in a manner compatible with the University's function as an educational institution.

Any student who engages in conduct that is prohibited by Regents' [Rules and Regulations](#), U. T. System or University rules, specific instructions issued by an administrative official or by federal, state, or local laws is subject to discipline, whether such conduct takes place on or off campus or whether civil or criminal penalties are also imposed for such conduct.

Military Statement: If you are a military student with the potential of being called to military service and /or training during the course of the semester, you must contact me as soon as possible **before** you leave.

Disability Statement: If a student has or suspects she/he has 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. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions. For additional information, please visit the CASS website at www.utep.edu/CASS. *CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.*