**Course Objectives (Learning Outcomes):**

- a. Learn to solve analytically a few important types of differential equations such as separable first order equations, and linear, constant coefficient, higher-order differential equations.
- b. Learn to solve more general differential equations and systems of equations using numerical methods, such as Euler’s method.
- c. Learn to model physical phenomena using differential equations.
- d. Learn to qualitatively analyze autonomous differential equation systems by finding and classifying (sink, source, etc.) equilibrium points.
- e. Learn to solve linear, constant coefficient differential equations using Laplace transforms.

**Course Activities/Assignments:**

- Quizzes will be given regularly, quiz questions will be taken directly from the homeworks, which will be assigned regularly, but not graded.

**Assessment of Course Objectives:**

Grades will be based on quizzes and exams, details are at the class website, [www.math.utep.edu/Faculty/sewell/2326/2326e.htm](http://www.math.utep.edu/Faculty/sewell/2326/2326e.htm)

**Course Schedule:**

Complete quiz and exam schedule is given at the class website, [www.math.utep.edu/Faculty/sewell/2326/2326e.htm](http://www.math.utep.edu/Faculty/sewell/2326/2326e.htm)

**Grading Policy:**

20% based on 12 quizzes, 60% based on three tests, 20% based on final exam. Details are at course website, [www.math.utep.edu/Faculty/sewell/2326/2326e.htm](http://www.math.utep.edu/Faculty/sewell/2326/2326e.htm)

**Make-up Policy:**

No makeup quizzes; however, I will throw out your three lowest quiz grades. Make up tests will be given for excused absences.

**Attendance Policy:**

None

**Academic Integrity Policy:**


**Civility Statement:**

None
Disability Statement: If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at <dss@utep.edu> or go to Room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

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 are encouraged to contact instructor as soon as possible.