Course # M2326 (CRN 13169)
Course Title Differential Equations
Credit Hrs 3
Term Fall 2020
Course Meetings & Location Online course via Blackboard Collaborate
Prerequisite Courses Calculus II (Math 1312) with a grade of “C” or better.

Instructor Omeiza Olumoye
Office Location Chemistry & Computer Science Building (CCSB), room 2.0902.
Contact Information E-mail okolumoye@utep.edu
Website http://utminers.utep.edu/okolumoye/teaching/fall2020/math2326_13169.html
Emergency Contact Math Department mathdept@utep.edu

Visual Office Hours 10:30 – 11:30 AM (Mondays, Wednesdays), or by appointment via Blackboard Collaborate.

Warning: Sometimes, we will not “cover” all the material from a section, but instead focus on a particular aspect of the section. In such cases, I will point out in class which other parts of the section I expect you to read on your own.

Course Objectives (Learning Outcomes) This course will incorporate the use of computer software to illustrate methods of solving differential equations and systems of differential equations. The study of systems of differential equations, and the fundamental difference in the behavior of linear and non-linear differential equations will be covered. Keen interest will be put in modeling of differential equations using qualitative, numeric, and analytic approaches. At the end of the course, students are expected to gain a sound knowledge of the material and to excel in courses that require differential equations as a prerequisite.

Warning Calculators with access to the internet are not allowed.

Grading Policy Your grade will be calculated as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>16%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>16%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>16%</td>
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<tr>
<td>Exam 3</td>
<td>16%</td>
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<tr>
<td>Comprehensive Final</td>
<td>36%</td>
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</table>
Quizzes  Suggested homework problems will be assigned most class
days and will generally be discussed during office hours.
There will be approximately weekly quizzes, with
problems similar to the ones in the homework. Quizzes are
closed-book, closed-notes. Missed quizzes cannot be made
up, but your two lowest quiz scores will be dropped.

Exams  There will be three online exams. The tentative dates are:

<table>
<thead>
<tr>
<th>Ch. 1</th>
<th>Thu.</th>
<th>24 Sep.</th>
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<tbody>
<tr>
<td>Ch. 2,3</td>
<td>Thu.</td>
<td>22 Oct.</td>
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<tr>
<td>Ch. 3,5,6</td>
<td>Tue.</td>
<td>24 Nov.</td>
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</tbody>
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Final  The final will be comprehensive and is scheduled for
December 10, 2020 at 12 PM.

The grading scale for this course is: 90% and above is an A, 80% - 89%
is a B, 70% - 79% is a C, 60% - 69% is a D, and 0% - 59% is an F.

The Drop Date for this semester is Thursday, December 3. No
drops will be approved after this date.
No makeup exams will be allowed except with proper documentation, i.e.
doctor’s note, hospital’s note, or UTEP excused absence document.

Disability Statement  If you have 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.

Academic Integrity  Policy  It is UTEP’s policy, and mine, for all suspected cases or acts of alleged
scholastic dishonesty to be referred to the Office of Student Conduct and
Conflict Resolution for investigation and appropriate disposition. See
Section II.1.2.2.1 of the Handbook of Operating Procedures.
Each student is responsible for notice of and compliance with the provi-
sions of the Regents’ Rules and Regulations, which are available for inspec-

Exceptional  Circumstances  If you anticipate the you are going to miss a large portions of class time
during the semester, due to exceptional circumstances such as childbirth,
or military service as a military student with the potential of being called
to military service and/or training, please let me know as soon as possible.