Mathematics 2310
Applied Differential Equations I
Fall 2017

Prerequisite: Grade of C or better in Math 2205 (Calc II)

Textbook & Materials: Elementary Differential Equations and Boundary Value Problems

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Office Hours: 2:00pm-3:00pm MW 11:30am-12:30pm TR
also by appointment

Grading:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weightage</th>
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<tbody>
<tr>
<td>2 Midterm Exams (20% each)</td>
<td>40%</td>
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<tr>
<td>Weekly Written Homework</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
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Notes

- A major focus of the course will be the use of a computer software package called Maple to enhance your understanding of this subject's relationship to many of the basic concepts of applications you will meet in current and future courses. Many of the weekly homework problems will require your use of Maple applications. Relevant weekly Maple Labs are posted on the course website. Should you need assistance, please see me during my office hours. Maple is widely available on campus at any UW Lab Node on the UWYO domain. It is also available via the UW Remote Lab feature.

- On-line WeBWorK homework will be assigned throughout the semester. These problems focus on the basic mathematical manipulations required for success with course material. If your WeBWorK semester score is lower than your Written Homework semester score, your written score will be weighted 30%.

- Weekly homework assignments will be due each Thursday. Only a subcollection of the problems you submit will be graded. The main idea here is to supply you with some feedback regarding the development of your intuition for the subject of ODEs. No late assignments will be accepted. Several of the weekly homework sets will be dropped in the calculation of the Homework component of your grade.

- Homework is optional. If your semester homework average is lower than your exam average, your final grade will be determined using only your exam scores as follows: midterm exams (28.6% each) 57.2%, final exam 42.8%. Warning: Previous history clearly indicates that students who choose to not do homework almost always struggle with the course.

- Tutoring is available in this class at the STEP Tutor Center. Students who seek academic help in this class tend to perform 15-20% better than students who do not. STEP is open Sunday-Thursday from 5-9pm and is located in Coe Library. Sessions are drop in (no appointments) and are 30 minutes in length. Additionally, STEP is offering Early Bird Tutoring for math classes Monday-Thursday 2-5pm. Please visit the STEP Tutor Schedule for days and times: www.uwyo.edu/step.

- Both midterm exams and the final exam will be closed-book and closed-note tests. If you must miss an exam, please make arrangements with me before the exam. Requests for make-up exams made after the scheduled exam will not be honored. The two midterm exams will be written so that they can be completed in 50 minutes for a well-prepared student. They will be given on the following dates:

<table>
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<tr>
<th>Exam</th>
<th>Date</th>
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<tr>
<td>Exam 1</td>
<td>October 3</td>
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<td>Exam 2</td>
<td>November 7</td>
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The final will take place during its regularly scheduled final week time slot which is:

Final Exam | Tuesday, December 19 (10:15am-12:15pm)

- The final exam will be split into two parts; a take-home section distributed on the last day of class and the in-class section listed above given on December 19th. Its composition will roughly be 67% on new material covered after Exam 2 and 33% on material of a comprehensive nature.