Instructor: Dan Stanescu, 218 Ross Hall, Tel. 766-4380,
Website: http://www.uwyo.edu/stanescu, Email: stanescu@uwyo.edu.
Office Hours: MT 2:00PM-3:00PM and by appointment.
Class time & room: MWF 11:00-11:50AM in BU 10.
Text: Elementary Differential Equations and Boundary Value Problems,
Course Description: Differential Equations are widely used to describe
phenomena in physical sciences. The course will provide you with elementary means to solve them and to understand the properties of the solutions.
Emphasis is on solution of differential equations of first degree, linear equations with constant coefficients of higher degrees, and on the build-up of mathematical models that lead to such equations.

GRADING

• Homework: 30%. Homework will come in two flavors with equal weight,
one using the online WebWork system, the other one hand-written. For the latter part, one set of homework problems will be assigned for every topic,
with an additional set toward the end of the semester. All homework sets
have the same weight; I’ll try to grade as many problems as possible in every set, but it may happen that only a subset of the problems will be graded
and the solutions will be posted on my website. Your solutions must be
turned in within a week from the date you’ve been assigned the homework.
No make-ups for homeworks; however, your worst homework grade will not
be taken into consideration.

• Two Mid-term Exams (20% each): 40%. These exams will be held
at class time. In case you must miss an exam, please make arrangements
beforehand. Requests for make-up after the scheduled date will not be
honored. Tentative dates for these exams are February 10 and March 9.
The exact date will be announced in class at least one week in advance.

• Final exam: 30%. Will feature approximately 60% material covered
after the last midterm and 40% comprehensive material.

TENTATIVE LIST OF TOPICS

<table>
<thead>
<tr>
<th>Topic</th>
<th>Chapter/Section</th>
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<tbody>
<tr>
<td>Introduction.</td>
<td>1.1 - 1.3</td>
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<tr>
<td>First Order Differential Equations.</td>
<td>2.1 - 2.8</td>
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<tr>
<td>Second Order Linear Equations.</td>
<td>3.1 - 3.8</td>
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</table>
Higher Order Linear Equations. 4.1 - 4.4
The Laplace Transform. 6.1 - 6.6

Attendance Policy: University sponsored absences are cleared through the Office of Student Life (UW Regulation 6-713). Students with official authorized absences are permitted to make up work without penalty in classes missed. Beware, a make-up exam could be harder than the original.

Academic Honesty: The University of Wyoming is built upon a strong foundation of integrity, respect and trust. All members of the university community have a responsibility to be honest and the right to expect honesty from others. Any form of academic dishonesty (UW Regulation 6-802) is unacceptable to our community and will not be tolerated.

 Civility: Our mutual responsibilities are explained in the document ”A & S Students and Teachers - Working Together” (uwadmnweb.uwyo.edu/a&s/Current/default.asp). Unsanctioned talking, use of cell phones and ipods, eating, sleeping, and reading unrelated materials during class are considered rude and disruptive behaviors. Students who persist in rude or disruptive behavior may be dropped from the class after a suitable warning.

Disability Statement: If you have a physical, learning, or psychological disability and require accommodations, please let me know as soon as possible. You must register with, and provide documentation of your disability to University Disability Support Services (UDSS) in SEO, room 330 Knight Hall. 766-6189, TTY: 766-3073.

The information contained herein is tentative. If the instructor finds that changes are necessary, he will announce them in class at least one week beforehand.