
Lecturer: Dr. Andrew D. Loveless  
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Office: Padelford C-528  
Office Hours: 1:30 – 3:00 MW, 1:30 – 2:00 F  
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Required Text:
2. Taylor Notes, created by the UW math department. These notes will be an essential resource during the first three weeks of class. Available on the internet only. You can find the link on my website or go directly to: http://www.math.washington.edu/~m126/TaylorNotes.pdf

Course Objectives: In the first two weeks, we will learn how to approximate function using Taylor series which is important for various engineering and science applications of calculus. Then we will explore topics pertaining to calculus in more than one variable including partial derivatives, iterated integrals, and vectors.

Grading: I have a set method for you to determine your own grade. At the end of the term, I may need to “curve” the gradescale to more fairly distribute the grades. However, the posted gradescale gives a good low estimate of your grade. The weight for each part of the course is given below. An example is also given to show how you can determine your own grade.

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
<th>Your Percentage</th>
<th>Your Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worksheets (Complete Thursdays)</td>
<td>3</td>
<td>100%</td>
<td>3.00</td>
</tr>
<tr>
<td>Homework (Due Wednesdays at Lecture)</td>
<td>12</td>
<td>85%</td>
<td>10.20</td>
</tr>
<tr>
<td>Midterm 1 (Thursday, January 25)</td>
<td>25</td>
<td>76%</td>
<td>19.00</td>
</tr>
<tr>
<td>Midterm 2 (Thursday, February 22)</td>
<td>25</td>
<td>88%</td>
<td>22.00</td>
</tr>
<tr>
<td>Final Exam (Saturday, March 10)</td>
<td>35</td>
<td>89%</td>
<td>31.15</td>
</tr>
<tr>
<td>Total:</td>
<td>100</td>
<td></td>
<td>85.35</td>
</tr>
</tbody>
</table>

This made-up student would get a 85.35 out of 100 for the course which is a 3.0 on the grade scale (the grade scale can be found on my website).

Lecture: Lecture is on Monday, Wednesday, and Friday. You will be held responsible for all information that is discussed during lecture.

Quiz Sections: You will have quiz sections on Tuesday and Thursday with a teaching assistant (T.A.). On Thursdays, you must print out and bring the appropriate Worksheet to quiz section. You will work on the problem with your TA and turn it in at the end of the quiz section. You TA will give you a participation grade. On Tuesdays, your TA will have no prepared agenda and you, the students, will guide the discussion of the class by asking questions. PLEASE, PLEASE, PLEASE COME PREPARED TO ASK QUESTIONS!!! The TA may even completely work through some of the problems. You need to help and guide your TA by looking at the problems before quiz section and asking lots of questions. RESPECT YOUR TA!!! Your TA is a student as well. Many of them are taking hard classes, preparing for doctoral preliminary exams, and/or working on writing 100 page dissertations. In addition, they are paid a relatively meager wage. Before you criticize your TA, you should ask yourself what you would do in their position. The point is: Help them out by bringing good questions to quiz section and make sure to thank them for the time they are giving you.

Respect Issues: Disrespect will not be tolerated. As with all your life, you should treat others better than you yourself would like to be treated. Come to class on time (better never than late) and do not leave class early. If you have special circumstances where you need to arrive late or leave early, please contact me ahead of time and sit close to the door so that you do not distract your classmates when you enter or exit. Do not use electronic devices during class. If you want to listen to your iPod, text message your friends, or play around on your computer, then don’t come to class. This is completely disrespectful to me and your classmates, so please put away and turn off your electronic devices. Finally, please show me respect when you have a question for me or when you send me an e-mail. You are well within your right to ask about homework and exam grading, but you should never try to argue, intimidate, or criticize me. I will do everything I can to help you all succeed in this course. I put in a lot of extra time and effort to help each of you in any way that I can. And this effort along with the effort of your TA’s deserves and demands your respect!
**Homework:** Homework will be assigned weekly in lecture and will be collected at Wednesday lectures of the following week. Since the answers to most of the exercises are available to you, it is important that you write out complete solutions to all assigned problems. No credit will be given for simply writing the correct answer.

**Exams:** Exams are cumulative: you may be asked to solve problems using techniques discussed at any prior point in the course. **Make-up exams will not be given.**

**Calculators and notes:** You will need a scientific calculator for Math 126. It must have trigonometric functions, like Sin and Cos, as well as logarithms and exponentials (ln and exp). **GRAPHING CALCULATORS ARE NOT ALLOWED** on exams. A graphing calculator is any device with a multiline display that has the ability to graph mathematical functions. See your instructor before the first midterm if you are not certain if your calculator is acceptable. A single, **hand-written** 8.5 x 11 inch sheet of notes is allowed during exams. You may write on both sides.

**Make-Ups:** **Late homework assignments will not be accepted for any reason.** You will be allowed to miss one homework assignment without penalty to your grade. In case of observance of religious holidays or participation in university sponsored activities, arrangements must be made at least 2 days in advance for worksheets and 1 week in advance for exams. You will be required to provide documentation for your absence. Make-up exams will not be given. If you miss an exam due to **unavoidable, compelling, and well-documented** circumstances, your final exam will be weighted more heavily.

**Class Philosophy:** There are two vital rules for success in my classroom.

**THE HOMEWORK IS THE KEY:** In mathematics, breakthroughs in learning rarely occur while reading the text or attending lecture. Mathematics is truly learned when you completely solve a problem AND understand the underlying concepts and tools so as to be able to apply them to related problems. The lecture, tutorial sessions, and office hours are valuable tools in guiding you towards learning and discovery, but ultimately the concepts and solutions must be absorbed, understood, and applied by you alone. Treat each problem as an exam question and ask yourself, “Can I answer this question without any help and do I understand the underlying principles that this problem conveys?” If your answer is no to either of these question, then you need more studying and practice.

**ASK FOR HELP:** Most students will hit a wall at some point during the course. Some can’t handle the large workload, while others find difficulty with specific concepts in the course. When these times arrive remember to ask for help. Come to your T.A., come to me, ask your classmates for help, visit the math study center and/or visit the student counseling center. There are just a few of your options. Please, please, please find help earlier rather than later. You are all smart enough to do well in this course, the question is whether or not you are determined enough.

**Resources:**

- A link to the class website can be found at: [http://www.math.washington.edu/~aloveles/](http://www.math.washington.edu/~aloveles/) You will find homework assignments, review sheets, grade information, a calendar for the term, and various bits of other useful information there, including past exams and quizzes, TA information, etc.
- The Math Study Center (Communications B-014) is open to students in Math 126. The Center provides a comfortable place and a supportive atmosphere for students to come together and study, in groups or individually. The center is staffed by TAs and instructors. See [http://www.math.washington.edu/~perkins/MSC/](http://www.math.washington.edu/~perkins/MSC/) for more information.
- The Center for Learning and Undergraduate Enrichment (CLUE) holds drop-in tutoring sessions every weekday evening in Mary Gates Hall Commons. See [http://depts.washington.edu/clue/](http://depts.washington.edu/clue/) for more details.
- The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264/FAX, or dos@u.washington.edu.
- The Student Counseling Center provides academic skills workshop on a variety of topics including stress management test anxiety and time management to help you succeed at the University of Washington. If any of these is an issue for you, check out the schedule of workshops at [http://depts.washington.edu/scc/studyskills.html](http://depts.washington.edu/scc/studyskills.html).