CALCULUS II: Math 125 D - Spring 2013

Lecturer: Dr. Andrew D. Loveless  
Email: aloveles@math.washington.edu

Office: Padelford C-339  
Web page: www.math.washington.edu/~aloveles

Office Hours: MW 1:40 - 3:00 pm, F 1:40 - 2:30 pm. You are welcome to drop by my office without an appointment during any of these times. I’ll also will typically be available from 10:00-10:30am outside my first lecture (which is in Anderson 223). And I will sometimes be in my office after 3pm on Mondays, so you can try to catch me then as well.

Text: Calculus, by James Stewart, 7th Edition. The bookstore has a custom two volume version of this book: Volume 1 covers Math 124/125, Volume 2 covers Math 126/324. For this class, only volume 1 is needed (The full version of the 7th edition: Early Transcendentals works as well). Note: It is cheaper to purchase the eBook bundled with your webassign access code (see below), you are not required to purchase a hard copy of the book.

Webassign Access Code: All homework for this course is accessed online using webassign. You are required to have a webassign access code for this course which comes with the eBook. If you took Math 124 at UW, then you already have this access and no further purchase is necessary. For those of you new to calculus at UW, there are two mains ways to purchase access. You can buy the code bundled with the custom textbook at the university bookstore, or you can buy the code online with the eBook through the website: http://www.cengagebrain.com/micro/uwmathcalc

The link above takes you to the cheapest option at $70. This $70 purchase will give you access to the eBook and all the homework for all the courses Math 124, 125, 126, and 324 (you won’t have to purchase anything more for these classes). In summary, everyone in the course will have a webassign access code and an eBook of the full Stewart textbook (7E, early transcendentals). You will need to decide if you want to purchase a new or used hard-copy of the textbook. If your schedule is still changing and you don’t know if you should purchase the webassign access, you still can log-in as part of your two week trial period (just log-in and select trial period). You can work on the first two assignments and all your work counts (it won’t be erased at the end of two weeks), but you must purchase the access code to be able to view your homework after the end of the second week.

Websites: There are three important websites.

COURSE WEBSITE: http://www.math.washington.edu/~m125/
CLASS WEBSITE: http://www.math.washington.edu/~aloveles/
WEBASSIGN SITE: https://www.webassign.net/washington/login.html

Course Objectives: This course will introduce you to integral calculus. We will study the integral and its applications. A lot of what we will do amounts to Math 124 in reverse.

Grading: The weight for each part of the course is given below. An example to show you how to compute your grade is also given.

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
<th>Your Percentages</th>
<th>Your Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>Worksheets and Test Prep (Complete Tues and Thurs)</td>
<td>4</td>
<td>90%</td>
<td>3.6</td>
</tr>
<tr>
<td>Homework (Due on Webassign)</td>
<td>16</td>
<td>85%</td>
<td>13.6</td>
</tr>
<tr>
<td>Midterm 1 (THURS, Apr. 25)</td>
<td>25</td>
<td>78%</td>
<td>19.5</td>
</tr>
<tr>
<td>Midterm 2 (THURS, May 23)</td>
<td>25</td>
<td>90%</td>
<td>22.5</td>
</tr>
<tr>
<td>Final Exam (SAT, June 8)</td>
<td>30</td>
<td>86%</td>
<td>25.8</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td></td>
<td>85</td>
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</tbody>
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This example student would get a 85 out of 100 for the course which is approximately a 3.0 on the current rough grade scale (the grade scale can be found on my website and is subject to dramatic change based on overall class performance after each exam). The math department requires that the median grade for the entire class will be 2.9.

Homework: Homework assignments will be assigned and collected via Webassign. Please log into webassign this week and add yourself to the course roster via the link: https://www.webassign.net/washington/login.html

Homework will generally be due at 11:00 pm on Wednesdays on a typical week, and Tuesdays on an exam week (see the course calendar for specific due dates). During Tuesday’s quiz section, your TA will answer questions about the homework due later that day. The calendar due dates are subject to change. All changes will be announced in lecture and on Webassign. Make sure to log onto Webassign as soon as possible and attempt the first several homework problems to make sure you understand how everything works.

Quiz Sections: You will have quiz sections on Tuesday and Thursday with a teaching assistant (TA).

Tuesday (50 minutes): You will discuss homework questions. It is vital that you attend and ask questions. We may have a couple ”test prep” activities that will be graded on participation.

Thursday (80 minutes): You will complete worksheets that supplement and reinforce the course material. You must print off and bring your own copy of the worksheet. The TA will travel around the room to answer questions about
the worksheet. The worksheets must be turned in during quiz section on Thursday, you cannot turn them in without physically being at quiz section and participating.

**Respect:** Be respectful to 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 less than many of you are paid by your summer jobs. 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.

**Exams:** The midterms will be 80 minutes long and will be given at your usual quiz section classroom. The Final Exam is cumulative and will be held in the afternoon on Saturday, June 8th (the time and location will be announced later in the course).

**Calculators and notes:** A basic scientific calculator is allowed and may be needed, but no calculators with any graphing, programming, or calculus capabilities are allowed. See your TA, or me, 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 and worksheets will not be accepted for any reason.* Start homework early, it is typically visible at least a week in advance and you typically know now to complete all the work well before it is due, so you should be done with these assignments typically 2-3 days before they are officially due. As a result, no extensions will be given for any reason. You will be allowed to miss one worksheet 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. If you have a conflict with the final, then you need to fill out a petition with the math student services office in Padelford C-36.

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

1. **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.

2. **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. These 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 125. 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 dso@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/sec/studyskills.html](http://depts.washington.edu/sec/studyskills.html).