Text: *Calculus: Early Transcendentals*, by James Stewart, 7th Edition. Note: We’re using a custom edition of Stewart’s Calculus, available at the University Bookstore. There are two volumes: Volume 1 covers Math 124/125, Volume 2 covers Math 126/324. The hardcopy textbook is NOT required. But you must have webassign access, which comes with the full eBook.

Other Materials: You also need a webassign access code. If you took Math 124/5/6 in the last couple years and purchased a life of edition code, then the code you purchased should still work. You shouldn’t need to enter anything, you should be able to just log in. Please log in before Friday to make sure you can view the first assignment. If you have never purchased a webassign access code for calculus, then you will need to purchase an access code (see my website).

Course Objectives: This course is a continuation of Math 126. The focus is mostly on integration in multiple variables. We discuss Chapter 15: iterated integrals (double and triple), a bit of Chapter 14: Gradient and Derivatives, and then the rest of the term is about Chapter 16. Chapter 16 introduces line integrals, vector fields, surface integrals and ultimately how to calculate them using the Theorem of Green, Stokes, and Gauss. This course is ‘end-loaded’, in that there are a lot of big topics in the last two weeks. So be ready for that!

Grading: The weight for each part of the course is given below.

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Homework (Due on Webassign)</td>
<td>15</td>
</tr>
<tr>
<td>Midterm 1 (WEDNESDAY, Jan. 27)</td>
<td>25</td>
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<tr>
<td>Midterm 2 (WEDNESDAY, Feb. 24)</td>
<td>25</td>
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<tr>
<td>Final Exam (See below)</td>
<td>35</td>
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<tr>
<td>Total</td>
<td>100</td>
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Lecture: Lecture is on Monday, Wednesday, and Friday. You will be held responsible for all information that is discussed during lecture.

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](https://www.webassign.net/washington/login.html)

Homework will generally be due at 11:00 pm on Wednesday (see the course calendar for specific due dates). 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. If you experience technical problems with WebAssign, please let me know as early as possible. A flat adjustment of +5% will be applied to all homework scores at the end of the quarter.

Exams: The midterms will be 50 minutes long and will be given at lecture. The Final Exam is cumulative.

**MATH 324 D FINAL EXAM**: Thursday, March 17, 8:30am to 10:20am in CDH 135
Calculators and notes: You will need a scientific calculator for Math 324. 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 in Math 324. A graphing calculator is any device with a multiline display that has the ability to graph mathematical functions. 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 will not be accepted for any reason.* In case of observance of religious holidays or participation in university sponsored activities, arrangements must be made at least 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.

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, office hours, and external review sessions 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:** It is common to ‘hit a wall’ at some point during the course: we will cover a lot of material and there will be a sizable workload. You may have difficulty with specific concepts in the course. When these times arrive remember to ask for help. Come to me, ask your classmates for help, visit CLUE 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:

- The course webpage is located at [http://www.math.washington.edu/~avius/324.html](http://www.math.washington.edu/~avius/324.html). You will find links to the homework, course announcements, review material, grade information, a calendar for the term, and other useful information located there.
- 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 an 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. More information is available at [https://www.washington.edu/counseling/](https://www.washington.edu/counseling/).