Lecturer: Dr. Andrew D. Loveless
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Office: Padelford C-528

Office Hours: TBA. Please stop by and/or make appointments if you need help. You will find that I am very flexible and happy to work with you.


Course Objectives: This course is designed to prepare you for learning calculus. This is not a course about concepts and mechanics as much as it is a course about problems. This course will help you develop the skills and stamina necessary to solve lengthy, multi-step problems, involving a variety of pre-calculus mathematical concepts.

Grading: 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>Test Prep Participation</td>
<td>2</td>
<td>100%</td>
<td>= 2</td>
</tr>
<tr>
<td>Homework (Due Fridays at Lecture)</td>
<td>10</td>
<td>85%</td>
<td>= 8.5</td>
</tr>
<tr>
<td>Midterm 1 (THURS, JANUARY 26)</td>
<td>26</td>
<td>76%</td>
<td>= 19.76</td>
</tr>
<tr>
<td>Midterm 2 (THURS, FEBRUARY 23)</td>
<td>26</td>
<td>88%</td>
<td>= 22.88</td>
</tr>
<tr>
<td>Final Exam (SAT, MARCH 11, 1:30-4:20 PM)</td>
<td>36</td>
<td>89%</td>
<td>= 32.04</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td></td>
<td>= 85.18</td>
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</tbody>
</table>

This made-up student would get a 85.18 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.). During this time you will discuss homework and old exam problems. You should come to quiz sections prepared to ask questions.

Participation: On most Tuesdays in quiz section, part of the period will be used to prepare for exams by working and discussing a problem taken directly from an old Math 120 exam. Participation in this is required and will make up a small portion of your grade in the course.

Homework: Homework will be assigned weekly in lecture and will be collected during the Friday’s lecture 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: The midterms will be 50 minutes long and will be given at your usual quiz section classroom. The final exam location will be announced later. 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: Graphing calculators are allowed on quizzes and exams, but a simple, scientific calculator is sufficient. Other electronic devices are not allowed. You should show all work not doable on a scientific calculator. For instance, when you solve a quadratic equation, steps must be
shown even if your graphing calculator can produce the solutions. Reading a numerical solution from a graph on a calculator is never sufficient.

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 activities 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.

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/
  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 120. 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/ 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/ 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/scc/studyskills.html.