Math 1142: Short Calculus

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Time & Location (lecture) MWF 9:05 - 9:55 in Fraser Hall 102 (for lecture 10)
MWF 2:30 - 3:20 in Bruininks Hall 220 (for lecture 20)

Office Hours
Shannon Negaard M, F 10:10 - 11:00am
W 11:15am - 12:05pm
Elizabeth Kelley T, Th 10:00am - 12:00pm
Eric Stucky T, Th 8:00 - 10:00am
Hailee Peck M, T, W, Th 12:20 - 1:10pm
Galen Dorpalen-Barry T, Th 3:30 - 5:30pm


Website http://math.umn.edu/~nega0024/

Course Description. This course is designed to give you a working knowledge of calculus methods that you can apply to solve problems, along with enough theory to understand how to properly use those techniques. We do a lot of word problems drawn from a variety of applications. We will cover most of the material in the textbook, including all those sections listed on the accompanying course schedule. A few sections may be omitted for time constraints, but this is not the plan.

Also note that chapter 0 is review material and we will cover that very quickly. We will cover many topics in a different order than the order they appear in the textbook; for example, we will jump to chapter 4 early on, so that new concepts can be immediately applied to exponential and logarithmic functions, rather than waiting and repeating things later, as the book does.

This is a four credit class. That means a typical student will need to spend about twelve hours per week on this course. Class meetings account for a little over four hours, but you should plan on putting in another eight hours every week. Of course, some students will need less, and some more.

Prerequisites. A grade of C- or better in Math 1031, or 3 years of high school mathematics.

Homework & Quizzes. Suggested homework exercises are given in the course schedule and will be turned in for grading. Teaching assistants are in charge of determining how exactly these are graded.

Quizzes will be given once a week on Thursdays. There are a few exceptions. No quizzes will be given on weeks with midterm exams; nor will any quiz be given on Thanksgiving (there is no class that day).

Exams. There will be a total of three 50-minute midterm exams and one cumulative final exam. All of the exams (including the final) will be taken in your usual classroom during the usual time on Thursdays.

1st midterm: Thursday, October 8th
2nd midterm: Thursday, November 12th
3rd midterm: Thursday, December 10th
Final exam (cumulative): Thursday, December 17th

**Evaluation.** There are a total of 800 points in the course, divided as follows:

- Quizzes: 200 pts (10 quizzes total, lowest two quiz scores dropped)
- Homework: 100 pts (collected weekly, lowest score dropped)
- Midterm: 300 pts (100 pts each)
- Final Exam: 200 pts

The homework and quizzes will be scaled to be worth a total of 100 and 200 points, respectively. Really, this just ensures that the quiz total affects one’s grade to the same degree as the final, and the homework to the same degree as a midterm.

The course gradelines will be adjusted based on the distribution of scores in the course, but will be no more strict than the following:

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<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100 - 90%</td>
<td>A</td>
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<tr>
<td>89 - 80%</td>
<td>B</td>
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<tr>
<td>79 - 70%</td>
<td>C</td>
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<tr>
<td>69 - 60%</td>
<td>D</td>
</tr>
<tr>
<td>59 - 0%</td>
<td>F</td>
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In other words, if you earn 80% of the points in the course, then you are guaranteed at least a B--; however, if few students earn more than 80% of the points, then you may receive a higher grade. I will draw gradelines for each exam so that everyone can get a sense of where they stand.

**Tutoring and other learning opportunities:** You are of course welcome to hire a tutor to aid in your learning, but there are also some free opportunities that I would like to highlight.

The SMART Learning Commons: the University of Minnesota offers many options, including in-person peer tutoring. For more information, see [https://www.lib.umn.edu/smart](https://www.lib.umn.edu/smart).

Peer Assisted Learning (PAL): This is a very interesting program. It is not a place to go get direct help with homework problems, but it IS an excellent way to really learn the concepts covered in the course. It is recommended for students of all abilities and levels of preparedness. It reinforces the material from lectures, helping those who need to see concepts more than once, and it provides challenges for more advanced students. This semester, they have a section, specifically for MATH 1142. For more information, see [https://www.lib.umn.edu/smart/peer-assisted-learning-pal](https://www.lib.umn.edu/smart/peer-assisted-learning-pal).

Of course, there are always office hours. These are times, that your instructors have specifically set aside to help you. Having office hours is a part of our job description, and it is one of the privileges you gain through paying your tuition. Take advantage of this.

**Other Policies.** We will follow all University and College policies regarding academic honesty and other matters. This includes:

- Calculators: Scientific calculators will be allowed on quizzes and exams, but all work must be completely written out so that it can be understood without the use of a calculator. (Graphing calculators will not be allowed on homework or exams.)

- Drop Dates: You may drop this course without my approval and without receiving a W on your record until September 21. For more information see [http://onestop.umn.edu/calendars/cancel_add_refund_deadlines/fall_2015.html](http://onestop.umn.edu/calendars/cancel_add_refund_deadlines/fall_2015.html).

- Makeups: There will be no makeup quizzes or exams given. If you have a legitimate excuse for missing an exam (e.g., death in the family, serious illness), then your scores
on the other three exams will be rescaled to make up for this. Please contact your TA and me as soon as possible if you are not able to take an exam.

Disability Accommodations: See [https://diversity.umn.edu/disability/](https://diversity.umn.edu/disability/) As a courtesy to your instructors, please inform us in writing (or email) of any accommodations as early as possible.

Scholastic Dishonesty: This includes plagiarizing, cheating on an exam or quiz, using a graphing calculator, and obtaining exams without faculty permission. Scholastic dishonesty will not be tolerated and will be grounds for receiving an F or N for the entire course.

Incompletes: An “I” can be given as a final grade only if all but a small portion of the coursework has been successfully completed (meaning a passing grade) and you have a very serious reason for not completing the rest of the coursework.

Complaints: If you have a complaint about teaching or grading, try to resolve the problem with your TA or me first. If no conclusion can be reached, contact Prof. Mosher, the Director of Undergraduate Studies for the Math department.