MATH 101: Single Variable Calculus I

Course Info

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<th>Lectures</th>
<th>MWF 11:00-11:50 a.m.</th>
<th>HB 22</th>
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<td>Office Hours</td>
<td>Announced in class &amp; By appointment</td>
<td>HB 45</td>
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Graduate student led Weekly help sessions
T-Th 7-9pm in 101HH


Note: Any student with a documented disability, needing academic adjustments or accomodations, is requested to speak with the instructor during the first two weeks of class. All discussions will remain confidential. Students with disabilities will also need to contact Disability Support Services in the Ley Student Center.

Description

This class is an introduction to the basic techniques and applications of calculus in one variable. We shall cover approximately the first six chapters of the text book. This corresponds to discussions of limits, derivatives, integrals, the Fundamental Theorem, and many applications. Calculus is the language of much of modern science. A good understanding of this material is important for any scientific study.

Homework

Homework will be assigned during class, and will be due Fridays at 2pm. Homework solutions should be legible and easy to read, and each problem should be worked in detail with the final answer clearly indicated. Please staple your homework, and write your name on each page along with the homework assignment, instructor name, and date.
The homework is not pledged. You are encouraged to discuss the homework and to work together on the problems. Please use whatever resources aid you in learning the material, including tutorials, office hours, math books, and other students. However, you must write up your own solutions, and you are ultimately responsible for your own understanding of the material.

**Late Policy:** To receive credit, homework must be handed in on time; no late homework will be accepted. If you have a legitimate conflict, you must tell me ahead of time.

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**Weekly help sessions**

There will be weekly help sessions led by graduate students in the math department. They will take place once or twice a week during the evening hours. Time and place is 7-9pm, in 101 Herring Hall.

Also, most colleges offer advising by older students, and the University Advising department has many helpful resources.

**Success**

There is no guaranteed recipe for success in this course. That said, I have found the following tactics helpful in succeeding in mathematics classes:

- Attend every class,
- Read the book and review your class notes daily,
- Do the homework,
- Ask questions

I encourage you to utilize your classmates and your instructor. I am usually available in my office for help. Come early and come often. Feel free to ask questions as they come up, not just the day before an exam.

**Exams**

There will be two midterm exams and one comprehensive final exam. All exams are closed-book and closed-notes and are subject to the university [honor code](#). The use of calculators will not be permitted on the exams.
Midterm Exam 1  
Friday, September 30  
11:00-11:50 a.m.  
HB 22

Midterm Exam 2  
Friday, November 11  
11:00-11:50 a.m.  
HB 22

Final Exam  
TBA

Grading

Your grade for the course will be based on:

- homework (15%),
- two midterm exams (25% each), and a
- comprehensive final exam (35%).