Fundamentals of Calculus I

Math 019
Tuesday and Thursday

Instructor: Mark Ibrahim
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Office Hours: Tuesday 4-5pm + 6-7pm Help Session
Thursday 1:30-2:30pm
Mathematics & Statistics House, 16 Colchester Ave.
OR
by appointment (preferably over coffee!)

Site: uvm.edu/~msibrahi/calc_I/
Twitter: @calc_adventures

Textbook: *Calculus with Applications, 10th edition* by Lial, Greenwell & Ritchey.
MyMathLab is required with course **ID**: ibrahim48131

We explore the world of the infinitesimal, called the greatest achievement of the human mind (by Von Neumann): Calculus. We'll learn what it means to be close in a precise mathematical sense, building the fundamental notions of functions, limits and continuity. Using these notions, we'll create a powerful tool to quantify rates of change, known as a derivative. We'll culminate with a look into how derivatives can explain so much of our world.

Explaining a concept to others is an excellent way to solidify your own understanding. Consequently, we'll begin each class with a student-led mini lesson—details and schedule to follow.

Grading
Mini-lesson 13% + Homework 12%
Quizzes (bi-weekly, on Thursday) 25%
Tests (October 8th and November 12th) 25% + Final Exam 25%

<u>Absolutely no late work accepted</u>—no excuses.

Since emergencies do happen, the lowest two homework and lowest two quiz grades are dropped. I will not tolerate cheating or dishonesty.
<p align="center">***</p>
Math isn't based on magical properties, but human intuition. If a concept isn't clear, ask questions, consider an example, or reread the explanation.

Don't settle until the material makes sense to you.

<p align="right">I'm here to help.</p>