

Mathematics MTH229: Computer lab for Calculus

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Office Hours: M 2:00 - 3:35, W 4:25-5:15

Required Text: Online notes

Meeting Time and places: MW: 3:35 - 4:25

Special dates: No class on 2/21; Monday class on 2/23

Expectations: This class covers how to use the computer to solve problems in calculus. We use the MATLAB software for this.

The course has a few components: a web-based component for submitting your work to be graded. You will be given log-on instructions in class. As well, there is the MATLAB software, which is desktop software. This is what we will be learning so that we can apply our new skills to solve problems in calculus.

Projects: Half your grade comes from the 10 computer projects that guide this class. These should be completed in a timely manner and failure to do so will be penalized through your grade. The projects are available online once you log on to the system. If you wish to get these projects as a single pdf document or a printed copy, you can do so through the website: www.lulu.com/csimath.

Computer Software: The MATLAB software is commercial and is available in a limited number of computer labs on campus, including the open lab 1S-213 in the Math Department. For the adventurous (and cheap) the open source OCTAVE program does most of what MATLAB does, although the graphics are not the same. (For the real adventurous you can run the non-graphic part of OCTAVE through the Sage web program available for free at www.sagenb.org)

Grading: There will be two in-class exams and a final exam. Each have an equal weight. These will account for 50% of the grade. If you have a passing average on the exams (60% of the points), the remaining 50% of the grade will come from your project average. **However, if you have a failing average on the exams, you will fail the class.** This policy is in place to discourage merely copying the projects without learning the material.

Exam Policy: I expect full attendance at all the exams. There will be no make-up exams as a general rule. No accommodations for a missed final exam will be made.

Exam Dates: Our tentative dates for the mid-term exams are The mid-term exams will be March 9 and April 27. The final exam is likely to be 5/23 but may be scheduled for 5/25. You will be notified of the exact date during the semester.

Academic Honesty: The CUNY academic integrity policies are available from the website <http://www.math.csi.cuny.edu/verzani/classes/CUNYapr.pdf>. Cheating on exams will not be tolerated. Although I encourage you to work together if desired on any assignment for the in-class portion of your grade, this does not mean you can copy another person's work.