Mathematics MTH229: Computer lab for Calculus

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Office Hours: M: 12:20-2:15, W: 1:15-2:00
Required Text: Online notes available at http://mth229.github.io
Meeting Time and places: W: 12:20-2:15, 1S-103
Course website: www.math.csi.cuny.edu/verzani/Classes/MTH229
About: MTH 229 is a lab supplement to a calculus course, with the aim of covering how to use the computer to solve problems in first-semester calculus.

In this section, we will use the 'Julia' software. This software is open source and can be downloaded and used for free. It is installed in 1S-103. It is also free to use through mybinder.org. See mth229.github.io for some details on using Julia outside of the lab.

Projects: The class is organized around 10 projects that will introduce using the Julia language to solve problems in calculus. These projects are available online at http://mth229.github.io. The projects have some background material available at the same site. This background material contains self-grading questions to test yourself, as you read the projects.

For each project, a separate assignment will be given. You will turn in your answers to these for a portion of your grade (50%). We will use online software to submit answers. You will receive a username and password for this.

You can logon at http://www.math.csi.cuny.edu.

The other part of your grade will come from 2 in-class exams and a final exam. In total, the exams are worth 50% of your grade. Each is one class period. **For this class, you must have a passing average on the exams to pass this course. That is, you must earn 60% or more of the available exam points**.

The last day to withdraw from this class is April 1, 2020. This is before the second exam.
Computer Software: The julia software can be run through the IJulia interface.
Details can be found online at: mth229.github.io

Exam Policy: I expect full attendance at all the exams. There will be no make-up exams as a general rule.

Important Dates: Our tentative dates for the mid-term exams are 3/11, 4/22, and a final to be announced later, but likely 5/20.
Please note, we will meet Tuesday April 7th and **not** Wednesday April 8th.

Logins: You will need several computer logins for this class:

1. You need to be able to log on to the school's computers or the school's wifi. This requires a SLAS account.

2. You will turn in your projects through a math department website. You will receive a password for that the first day of class.

3. You *may* wish to use `cocalc.com` to run Julia. This requires a Google account or some other authentification.

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.

During exams, all cell phones must be put away. If a phone is seen during an exam, your exam will be taken immediately and assigned a grade of 0.