Mathematics MTH229: Computer lab for Calculus

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Office Hours: M 1:15 - 2:20; W 2:30 - 3:20
Required Text: Online notes available at `http://mth229.github.io`
Meeting Time and places: M: 2:30 -4:25, 1S-108

There is no class on 2/13; 2/20; 4/10; 4/12. There **is** a class on Thursday April 20th.

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-108 and the open lab in 1S-212. It is also free to use through `www.juliabox.com`. See `julialang.org` for details on getting the software, if interested.

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 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 4 in-class exams and a final exam. In total, the exams are worth 50% of your grade. Each is one class period, or just one hour. **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 points**.

The last day to drop a math course is April 19th. This will be before the third exam is given.

Computer Software: The julia software can be run through the IJulia interface.
Details can be found online at:

`http://www.math.csi.cuny.edu/verzani/Classes/MTH229/`

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

Exam Dates: Our tentative dates for the mid-term exams are March 8 (Project 1,2, and 3), March 29 (projects 4 and 5), April 26 (projects 6 and 7), and May 22nd (the remaining problems;

during final's week).

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 `juliabox.com` to run Julia. This requires a Google account.

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.