

Math with Mathematica, Fall 2019

Queens College, Math 213W

Prof. Christopher Hanusa

<http://qcpages.qc.cuny.edu/~chanusa/courses/213/19/>

What you can expect in Math with Mathematica

Goal: Learn and Apply Mathematica.

- ▶ Good programming practices
- ▶ Fluency with basics the language
- ▶ Go deeper: Apply in a variety of situations
- ▶ Gain an ability to learn on your own

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W: Reflection, writing, and revision.

A normal day in this class

- ▶ Arrive on time & Be ready to participate!

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Tutorial

or

Project Work

- ▶ Mathematica notebook
- ▶ Comprehension Questions
- ▶ Take notes along the way

Dedicated time to make progress
and ask questions on project

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Outside
class

- ▶ Learning after class
 - ▶ Finish tutorial, review notes, project work

A normal day in this class

Outside
class

- ▶ Preparing for class
 - ▶ Respond to Daily Thread
 - ▶ Go deeper: Ask questions, Prepare for Puzzle of the day.

In class

- ▶ Arrive on time & Be ready to participate!
- ▶ Discussion of Daily Thread & Your Questions
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Everything posted online; first one (many parts) due Wednesday.

Class Introductions

Arrange yourselves into groups of four-ish people,
With people you **don't know**.

- ▶ Introduce yourself. (your name, where you're from, your interests)
- ▶ What brought you to this class?
- ▶ Fill out **the blank side of** your notecard:
 - ▶ Write your name. (Stylize if you wish.)
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- ▶ **Discuss!** Why are computers important for mathematicians?
 - ▶ What does a mathematician do?
 - ▶ What are computers good at?