Math with Mathematica, Spring 2015

Queens College, Math 213W

Prof. Christopher Hanusa

http://qcpages.qc.edu/~chanusa/courses/213/15/
Class Introductions

Arrange yourselves into groups of four or five 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.)
  - Write a few words related to your name.
  - *Draw* something in the remaining space.
- Discuss with your groupmates why you wrote what you wrote.
- Exchange contact information. (phone / email / other)

**Discuss!** How are computers related to mathematics?
- Brainstorm!
- Organize into themes.
A normal day in this class

Outside class

- Preparing for class
  - Complete homework, Prepare questions.
- Arrive on time & Be ready to participate!
- Discussion of homework and your questions, recap.
- Lecture portion of class
  - Overview of the day, focus on complex concepts
- Tutorial
  - Work through Mathematica notebook or textbook exercises
  - Answer Comprehension Questions
  - Explore, Take notes in notebook (Save to your email.)

In class

- Debrief at end of day

Outside class

- Learning after class
  - Finish tutorial, review notes, complete homework
To do well in this class:

- **Form good study groups.**
  - Discuss homework and classwork.
  - Bounce around ideas, topics, questions.
  - It helps to have people to talk through things with.

- **Put in the time.**
  - Four credits = 8–12 hours / week out of class.
  - The work stresses key concepts from class; learning takes time.

- **Come to class prepared.**
  - Review previous day’s notes.
  - Do the homework & work on your projects.

- **Stay in contact.**
  - If you are confused, ask questions (in class and out).
  - Don’t fall behind in coursework or homework.
  - I need to understand your concerns.

Everything posted online; first one (many parts) due Tuesday.