

Math 331: The little Questions

First Lecture

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http://www.williams.edu/Mathematics/sjmillier/public_html/331Sp17/

Bronfman 103
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Introduction and Objectives

Introduction / Objectives

Objectives

- Obviously learn problem solving.
- Emphasize techniques / asking the right questions.
- Learn to use computers to build intuition.
- Use these problems as a springboard to see good math.
- Uphold honor of Williams / LACOL schools in competitions.

The Green Chicken



Course Mechanics

Grading / Administrative

- Homework (typically due Fri): 15%, Midterm 30%, Final 30%, Class Participation: 10%, Project Euler (<https://projecteuler.net/>): 15%.
- Pre-reqs: linear algebra (programming a plus).

Office hours / feedback

- TBD and when I'm in my office (schedule online: http://www.williams.edu/Mathematics/sjmiller/public_html/schedule.htm).
- Feedback ephsmath@gmail.com, password 1793williams.

Other

- Webpage http://web.williams.edu/Mathematics/sjmillers/public_html/331Sp17/: numerous handouts, additional comments each day (mix of review and optional advanced material).
- Opportunity to help write a book (Pi Mu Epsilon Centennial Collection).
- Opportunity to help with Math riddles page: <http://mathriddles.williams.edu/>.
- **PREPARE FOR CLASS!** Must do readings before each class.

Other: Advice from Jeff Miller

- Party less than the person next to you.

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Happy to do practice interviews, adjust deadlines....

Useful links

LaTeX and Mathematica Tutorials and Templates

Templates for using LaTeX for papers, talks, posters, and a Mathematica tutorial (with video): http://web.williams.edu/Mathematics/sjmiller/public_html/math/handouts/latex.htm.

Handout homepage: http://web.williams.edu/Mathematics/sjmiller/public_html/handouts/handouts.htm.

General advice: https://web.williams.edu/Mathematics/sjmiller/public_html/advice.htm.