

Slide 1

Administrivia

- This is where I'll remind you about upcoming deadlines, etc.; for example:
- Note first reading assignment.

Slide 2

Syllabus / More Administrivia

- One purpose of the syllabus is to spell out policies, especially about:
 - Course requirements and grading.
 - Exam dates (can only be changed if you all agree). "Please plan accordingly" means "don't schedule something else for these dates".
 - Late work.
 - Academic integrity.
- Most other information will be on the Web, either on my home page (office hours) or the "course Web page".
- Part of my job is to answer your questions outside class, so if you need help, please ask! E-mail usually works well if office hours don't.

Slide 3

“Why Do I Have To Take This Course?”

- It's “math for CS majors”: We want to teach you basic concepts in addition to technical skills. For this you need some math background — or at least a bit of “mathematical maturity”.
- Odds are good you *will* need material from this course in other required courses.
- “Because we said so.”
- It might be fun.

Slide 4

Course Topics

- Formal logic — as an example of a “formal system”, to help with boolean algebra.
- Proof techniques — induction in particular is useful in CS, and we'll talk a little about proofs of program correctness.
- Recursion.
- Sets, counting, and probability.
- Relations, functions, and order of magnitude of functions (“big-O notation”).
- Graphs and trees.

Minute Essay

- What are your goals for this course?
- Thinking about all the math courses you've ever taken:
 - What topic(s) did you particularly like or find useful?
 - What topic(s) did you particularly dislike or find confusing or not useful?

Slide 5