Administrivia

- (Most lectures will start with some "administrivia".)

- One purpose of the syllabus is to spell out policies (more about that shortly).

- Most other information will be on the Web, either on my home page (here, office hours) or the course Web page (here).

  A request: If you spot something wrong with course material on the Web, please let me know!

Slide 1

"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 2

Course Topics

Slide 3

- 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.

Course FAQ

Slide 4

- "What will my grade be based on?" (See syllabus.)

- "When are the exams?" (See syllabus.)

- "What happens if I can't turn in work on time, or I miss a class?" (See syllabus.)

- "What's your policy on collaboration?" (See syllabus.)

Course FAQ, Continued

- "When is the next homework due?" (See "Lecture topics and assignments" page.)

- "When are your office hours?" (See my home page.)

  Note that part of my job is to answer your questions outside class, so if you need help, please ask! in person or by e-mail or phone.

Slide 5

Classroom/Lab Machines

- Trinity's ITS department provides computing facilities for general use. We maintain our own set of computers tailored to the needs of our department (courses and research). You may not need to use these machines for this course, but we provide access for all students taking CSCI courses. Most of the department's computers live in three classrooms (HAS 227, HAS 228, HAS 340) and two labs (HAS 200, HAS 329). (The others are servers, in ITS's server room.)

  You should have physical access (via your TigerCard) to all of the classrooms and labs any time the building is open. HAS 340 is Linux-only, but the machines in the other rooms dual-boot Linux and Windows.

- To access these computers you need an "account" separate from your main Trinity account . . .

Slide 6

Classroom/Lab Machines, Continued

- Students who have previously taken a CSCI course should already have accounts set up. (If you've forgotten your password, go to the ITS help desk and ask for it to be reset.)

Slide 7

- Accounts have been set up for students who have not taken a CSCI course before. Username is the same as your Windows/ITS username; password has been sent to your Trinity e-mail address. The command-line way to change your password is to open a terminal window and type `passwd`.

Minute Essay

- (Most lectures will end with a "minute essay" — as a quick check on your understanding, a way for me to get some information, etc., and also to track attendance.)

- Tell me about why you are taking this course — as a prospective CS major or minor? for some other reason? what is your major?

Slide 8

- Tell me how you are meeting the prerequisite for this course — CSCI 1311 or CSCI 1320 and instructor's name (and when you took the course, if you remember).

- 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?