

## "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.

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Why Study Propositional Logic?
Because it's conceptually related to Boolean algebra (used in programming, circuit design, etc.).
Because it's related to proofs, which you should know a bit about.
As an example of a "formal system" — represent something symbolically, define and apply rules for manipulating symbols, etc. Other examples in automata theory, theory of databases, etc.
Because when you ask Dr. Theory (Myers) what you should learn in this course, he says "logic, logic, logic, logic!"
Because after logic, the rest of the course will (probably) seem easy!















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 14 • 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?