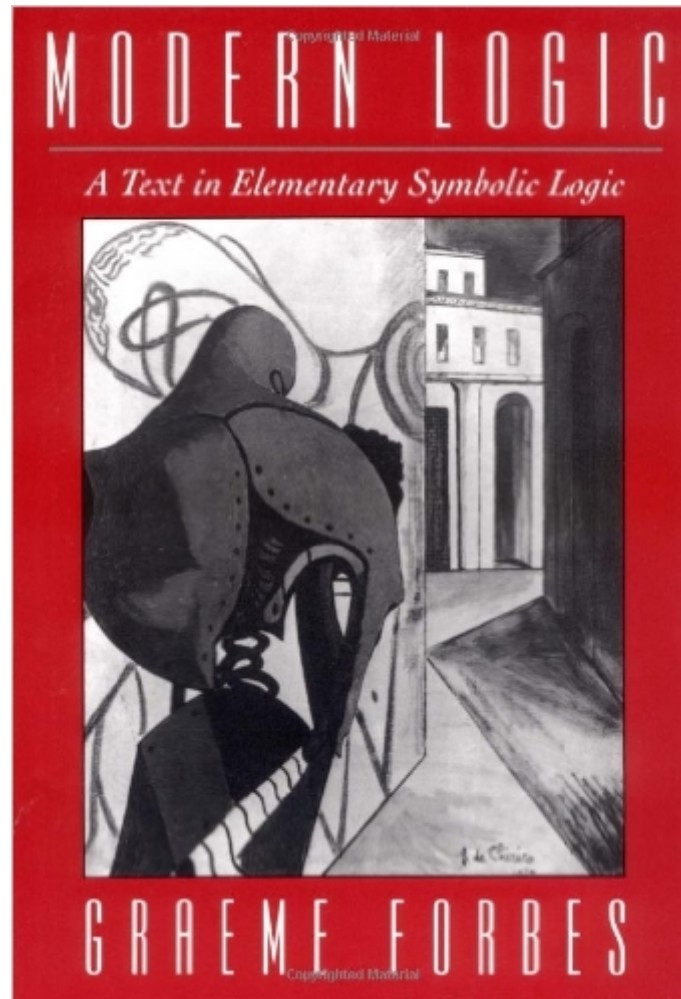


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Modern Logic: A Text In Elementary Symbolic Logic



Synopsis

Filling the need for an accessible, carefully structured introductory text in symbolic logic, *Modern Logic* has many features designed to improve students' comprehension of the subject, including a proof system that is the same as the award-winning computer program MacLogic, and a special appendix that shows how to use MacLogic as a teaching aid. There are graded exercises at the end of each chapter--more than 900 in all--with selected answers at the end of the book. Unlike competing texts, *Modern Logic* gives equal weight to semantics and proof theory and explains their relationship, and develops in detail techniques for symbolizing natural language in first-order logic. After a general introduction featuring the notion of logical form, the book offers sections on classical sentential logic, monadic predicate logic, and full first-order logic with identity. A concluding section deals with extensions of and alternatives to classical logic, including modal logic, intuitionistic logic, and fuzzy logic. For students of philosophy, mathematics, computer science, or linguistics, *Modern Logic* provides a thorough understanding of basic concepts and a sound basis for more advanced work.

Book Information

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Customer Reviews

I initially attempted to learn symbolic logic using this terrible textbook, and I really struggled with it, and eventually just assumed that symbolic logic wasn't for me, even though I had gotten A's in two previous logic classes that both emphasized traditional logic. For years I just gave up, but my failure haunted me and I always suffered from the nagging sense that I had been screwed out of

something that I really wanted to learn (and master) and even could learn (and master) with extreme ease. It turns out that this suspicion was well-founded. I had just gotten stuck with a lousy textbook and a worse teacher. I say this, because years on, I decided to give symbolic logic another go, and I got my hands on a few different textbooks, including the Teller Logic Primer. I learned everything I had failed to learn my first time around in a fraction of the time, and without any frustration or set backs at all. Symbolic logic is preposterously easy to learn (and, yes, in fact, master), and now I do proofs as a fun way to pass the time. My new found mastery, of course, drove me to revisit Modern Logic by Graeme Forbes, in the hope that I could discover the cause of my failure to learn something that I had later mastered so easily. As I went thru Modern Logic a second time, I realized that all my anguish and emotional turmoil over not being able to master symbolic logic had nothing to do with my own limitations, as I initially thought, but had everything to do with this horrendously bad textbook. Having mastered the material, I read thru Modern Logic in absolute horror. Straightforward and uncomplicated concepts are explained in a manner that is so abstruse that you'd never suspect you were trying to learn something easy.

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