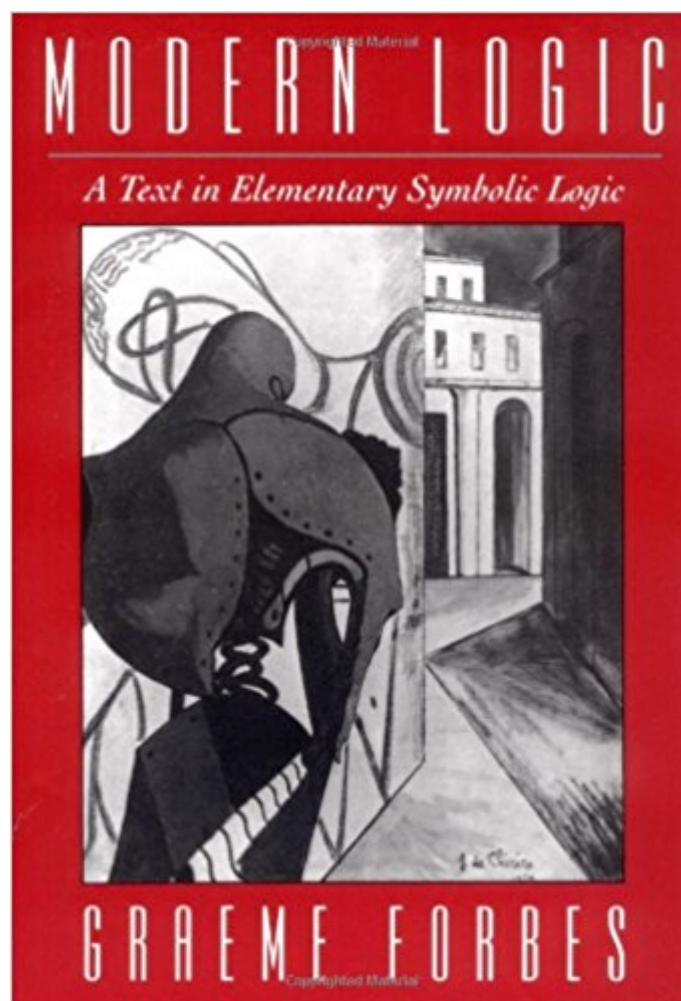


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# Modern Logic: A Text In Elementary Symbolic Logic



## 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

"Looks like an attractive text, pitched at an appropriate level and with good exercises. I have adopted it."--A.M. Ungar, SUNY at Albany  
"An excellent introduction to elementary logic. Rigorous yet accessible to the superior undergraduate student. The sections on extensions to classical logic are especially appreciated."--Jan A. Smucker, Hanover College  
"Of very real value, especially the

final chapter on intuitionism and fuzzy logic--long overdue in introductory texts."--Patrick Grim, State University of New York at Stony Brook

Graeme Forbes is Professor of Philosophy at the University of Colorado at Boulder. He is the author of *Attitude Problems* (Oxford, 2006), *Languages of Possibility* (1989), and *The Metaphysics of Modality* (Oxford, 1985). He has held research fellowships at New College, Oxford, and Edinburgh University, and has taught at the University of California at Santa Barbara and at Riverside.

Writing is a little convoluted. I really hate that he references multiple complex formulas sometimes 10 pages back to define something even more complex without creating any further examples.

As a student using this book in my introductory logic class, I'd say that I see Forbes' sincere attempt to accommodate the reader with clarifications and explanations. Yet, the book is too verbose and technical at some parts. Your mind just turns off when you see these huge walls of words and explanations that don't make sense to you. Also, like one of the customer reviews has said, it's so strange for Forbes to avoid using terms like "Modus Ponens" in favor of terms like  $\rightarrow$  E (conditional elimination). Even the instructor makes mistakes all the time, confusing E (Elimination) with I (Introduction). Also, Forbes' use of the upper wedge rather than the ampersand (&) is just too confusing and disturbing. I'll burn my book after I get done with it because I'm going to do a great service to everyone by not re-selling it. Just get another textbook.

I used this book in my logic course. I thought the book was perfectly straight-forward, and had more than enough problems to rapidly learn the material.

Good book, some highlighting and pages bent

Hard logic book, better have a great professor to translate the book

thank you! looking forward to working with you soon

good

Great

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