



Philosophical Logic: An Introduction to Advanced Topics

By George Englebretsen, Charles Sayward

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Taking students beyond classical mathematical logic, Philosophical Logic is a wide-ranging introduction to more advanced topics in the study of philosophical logic.

Starting by contrasting familiar classical logic with constructivist or intuitionist logic, the book goes on to offer concise but easy-to-read introductions to such subjects as quantificational and syllogistic logic, modal logic and set theory.

Chapters include:

- Sentential Logic
- Quantificational Logic
- Sentential Modal Logic
- Quantification and Modality
- Set Theory
- Incompleteness
- An Introduction to Term Logic
- Modal Term Logic

In addition, the book includes a list of symbols and a glossary of terms for ease of reference and exercises throughout help students master the topics covered in the book. Philosophical Logic is an essential, student-friendly guide for anyone studying these difficult topics as part of their Logic course.



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Bibliography

- Rank: #2217061 in Books
- Published on: 2011-03-24
- Released on: 2011-03-24
- Original language: English
- Number of items: 1
- Dimensions: 231.14" h x .50" w x 6.10" l, .85 pounds
- Binding: Paperback
- 208 pages

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Review

"Englebretsen and Sayward's book fills a gap in the current array of logic textbooks available. It starts from the beginning, thus allowing students to gain the first rudiments of symbolization; yet, it covers areas usually neglected in introductory logic textbook such as set theory and modal logic. Finally, it presents a constructivist approach in contrast to the point of view of classical logic usually tacitly assumed in logic textbooks and a substitutional rather than an objectual interpretation of quantification. This is truly a logic textbook for philosophers." — Pieranna Garavaso, University of Minnesota, Morris, USA

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About the Author

George Englebretsen is Professor Emeritus at Bishop's University, Canada. He is the author of a large number of works dealing with topics in the philosophy of logic and language, metaphysics and the history of logic.

Charles Sayward is Professor of Philosophy at the University of NebraskaLincoln, USA. He is a muchpublished author of works in the philosophy of logic and the philosophy of mathematics, most recently Dialogues Concerning Natural Numbers.

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