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Logic and Philosophy - Alan Hausman 2007
This text is designed for those who desire a comprehensive introduction to logic that is both rigorous and student friendly. Numerous, carefully crafted exercise sets accompanied by crisp, clear exposition take the student from sentential logic through first order predicate logic, the theory of descriptions, and identity. As the title suggests, this is a book devoted not merely to logic; students will encounter an extraordinary amount of philosophy in this unique book. Upon completing the text, a student will be well prepared for advanced courses in analytic philosophy.
Introduction to Logic and Its Philosophy - Peter K. Schotch 2013-09
Introduction to Logic and Its Philosophy is an introductory level textbook which covers symbolic logic as well as many topics in the philosophy of logic. The book is suitable for either a one or two semester course at the introductory level but contains material of interest to a wider audience. The treatment of formal semantics is quite different from the standard account, as just one example. In addition, more attention is given to issues in the history of logic than one generally finds in an introductory textbook. This book represents the distillation of more than thirty years of the author's involvement with logic curriculum development and pedagogy.
Philosophy of Logics - Susan Haack 1978-07-27
Publisher Description
The Blackwell Guide to Philosophical Logic - Lou Goble 2001-08-30
This volume presents a definitive introduction to twenty core areas of philosophical logic including classical logic, modal logic, alternative logics and close examinations of key logical concepts. The chapters, written especially for this volume by internationally distinguished logicians, philosophers, computer scientists and linguists, provide comprehensive studies of the concepts, motivations, methods, formal systems, major results and applications of their subject areas. The Blackwell Guide to Philosophical Logic engages both general readers and experienced logicians and provides a solid foundation for further study.
Thinking about Logic - Stephen Read 1994
In this book, Stephen Read sets out to rescue logic from its undeserved reputation as an inflexible, dogmatic discipline by demonstrating that its technicalities and processes are founded on assumptions which are themselves amenable to philosophical investigation. He examines the fundamental principles of consequence, logical truth and correct inference within the context of logic, and shows that the principles by which we delineate consequences are themselves not guaranteed free from error. Central to the notion of truth is the beguiling issue of paradox. Its philosophical value, Read shows, lies in exposing the invalid assumption on which the paradox is built. Thinking About Logic also discusses logical puzzles which introduce questions relating to language, the world, and their relationship.
An Introduction to Logic - Morris Raphael Cohen 1993-01-01
Written for independent study and suitable for an introductory course in logic, this classic text combines a sound presentation of logic with effective pedagogy and illustrates the role of logic in many areas of humanistic and scientific thought. Cohen and Nagel's elegant integration of the history of philosophy, natural science, and mathematics helps earn this work its distinguished reputation.
Introduction to Logic - Irving M. Copi 2016-09-09
Introduction to Logic is a proven textbook that has been honed through the collaborative efforts of many scholars over the last five decades. Its scrupulous attention to detail and precision in exposition and explanation is matched by the greatest accuracy in all associated detail. In addition, it continues to capture student interest through its personalized human setting and current examples. The 14th Edition of Introduction to Logic, written by Copi, Cohen & McMahon, is dedicated to the many thousands of students and their teachers - at hundreds of universities in the United States and around the world - who have used its fundamental methods and techniques of correct reasoning in their everyday lives.
A Concise Introduction to Logic - Craig DeLancey 2017-02-06

Introduction to Logic and Theory of Knowledge - Edmund Husserl 2008-08-26
Claire Ortiz Hill The publication of all but a small, unfound, part of the complete text of the lecture course on logic and theory of knowledge that Edmund Husserl gave at Göttingen during the winter semester of 1906/07 became a reality in 1984 with the publication of Einleitung in die Logik und Erkenntnistheorie, Vorlesungen 1906/07 edited by 1 Ullrich Melle. Published in that volume were also 27 appendices containing material selected to complement the content of the main text in significant ways. They provide valuable insight into the evolution of Husserl’s thought between the Logical Investigations and Ideas I and, therefore, into the origins of phenomenology. That text and all those appendices but one are translated and published in the present volume. Omitted are only the “Personal Notes” dated September 25, 1906, November 4, 1907, and March 6, 1908, which were translated by Dallas Willard and published in his translation of Husserl’s Early 2 Writings in the Philosophy of Logic and Mathematics. Introduction to Logic and Theory of Knowledge, Lectures 1906/07 provides valuable insight into the development of the ideas fun- mental to phenomenology. Besides shedding considerable light on the genesis of phenomenology, it sheds needed light on many other dimensions of Husserl’s thought that have puzzled and challenged scholars.
How Do We Reason? - Forrest E. Baird 2021-04-20
How exactly does logic work? What makes some arguments valid and others not? What does a faithful use of logic look like? In this introduction to logic, philosopher Forrest Baird considers the basic building blocks of human reason, including types of arguments, fallacies, syllogisms, symbols, and proofs, all of which are demonstrated with exercises for students throughout.
The Logic in Philosophy of Science - Hans Halvorson 2019-07-11
Reconsiders the role of formal logic in the analytic approach to philosophy, using cutting-edge mathematical techniques to elucidate twentieth-century debates.
Logic - Graham Priest 2017
Logic is often perceived as having little to do with the rest of philosophy, and even less to do with real life. In this lively and accessible introduction, Graham Priest shows how wrong this conception is. He explores the philosophical roots of the subject, explaining how modern formal logic deals with issues ranging from the existence of God and the reality of time to paradoxes of probability and decision theory. Along the way, the basics of formal logic are explained in simple, non-technical terms, showing that logic is a powerful and exciting part of modern philosophy. In this new edition Graham Priest expands his discussion to cover the subjects of algorithms and axioms, and proofs in mathematics. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area.

These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

An Introduction to Formal Logic - Peter Smith 2003-11-06

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An Introduction to Probability and Inductive Logic - Ian Hacking 2001-07-02

An introductory 2001 textbook on probability and induction written by a foremost philosopher of science.

Logic and Philosophy - Howard Kahane 1990-01

This text is designed for instructors who want a complete set of rules for first order predicate (Quantifier) logic, with identity, and a good range of other material. The authorsU approach through all of the editions has made this text the easiest for students to learn from among modern symbolic texts.

Logic for Philosophy - Theodore Sider 2010

'Logic for Philosophy' is an introduction to logic for students of contemporary philosophy. It covers basic approaches to logic, as well as extensions of standard logic and the elementary philosophy of logic.

Introduction to Logic - Harry J Gensler 2012-08-06

Introduction to Logic combines likely the broadest scope of any logic textbook available with clear, concise writing and interesting examples and arguments. Its key features, all retained in the Second Edition, include: • simpler ways to test arguments than those available in competing textbooks, including the star test for syllogisms • a wide scope of materials, making it suitable for introductory logic courses (as the primary text) or intermediate classes (as the primary or supplementary book) • engaging and easy-to-understand examples and arguments, drawn from everyday life as well as from the great philosophers • a suitability for self-study and for preparation for standardized tests, like the LSAT • a reasonable price (a third of the cost of many competitors) • exercises that correspond to the LogiCola program, which may be downloaded for free from the web. This Second Edition also: • arranges chapters in a more useful way for students, starting with the easiest material and then gradually increasing in difficulty • provides an even broader scope with new chapters on the history of logic, deviant logic, and the philosophy of logic • expands the section on informal fallacies • includes a more exhaustive index and a new appendix on suggested further readings • updates the LogiCola instructional program, which is now more visually attractive as well as easier to download, install, update, and use.

An Introduction to Philosophical Logic - Anthony C. Grayling 2001-05-08

An Introduction to Philosophical Logic has been a popular mainstay among students taking courses in philosophical logic and the philosophy of language since it was first published in 1982.

Philosophy of Logic - 2006-11-29

The papers presented in this volume examine topics of central interest in contemporary philosophy of logic. They include reflections on the nature of logic and its relevance for philosophy today, and explore in depth developments in informal logic and the relation of informal to symbolic logic, mathematical metatheory and the limiting metatheorems, modal logic, many-valued logic, relevance and paraconsistent logic, free logics, extensional v. intensional logics, the logic of fiction, epistemic logic, formal logical and semantic paradoxes, the concept of truth, the formal theory of entailment, objectual and substitutional interpretation of the quantifiers, infinity and domain constraints, the Löwenheim-Skolem theorem and Skolem paradox, vagueness, modal realism v. actualism, counterfactuals and the logic of causation, applications of logic and mathematics to the physical sciences, logically possible worlds and counterpart semantics, and the legacy of Hilbert’s program and logicism. The handbook is meant to be both a compendium of new work in symbolic logic and an authoritative resource for students and researchers, a book to be consulted for specific information about recent developments in logic and to be read with pleasure for its technical acumen and philosophical insights. - Written by leading logicians and philosophers - Comprehensive authoritative coverage of all major areas of contemporary research in symbolic logic - Clear, in-depth expositions of technical detail - Progressive organization from general considerations to informal to symbolic logic to nonclassical logics - Presents current work in symbolic logic within a unified framework - Accessible to students, engaging for experts and professionals - Insightful philosophical discussions of all aspects of logic - Useful bibliographies in every chapter

Logic Works - Lorne Falkenstein 2021-11-30

Logic Works is a critical and extensive introduction to logic. It asks questions about why systems of logic are as they are, how they relate to ordinary language and ordinary reasoning, and what alternatives there might be to classical logical doctrines. The book covers classical first-order logic and alternatives, including intuitionistic, free, and many-valued logic. It also considers how logical analysis can be applied to carefully represent the reasoning employed in academic and scientific work, better understand that reasoning, and identify its hidden premises. Aiming to be as much a reference work and handbook for further, independent study as a course text, it covers more material than is typically covered in an introductory course. It also covers this material at greater length and in more depth with the purpose of making it accessible to those with no prior training in logic or formal systems. Online support material includes a detailed student solutions manual with a running commentary on all starred exercises, and a set of editable slide presentations for course lectures. Key Features Introduces an unusually broad range of topics, allowing instructors to craft courses to meet a range of various objectives Adopts a critical attitude to certain classical doctrines, exposing students to alternative ways to answer philosophical questions about logic Carefully considers the ways natural language both resists and lends itself to formalization Makes objectual semantics for quantified logic easy, with an incremental, rule-governed approach assisted by numerous simple exercises Makes important metatheoretical results accessible to introductory students through a discursive presentation of those results and by using simple case studies

Philosophical Logic - George Englebretsen 2011-03-24

Introduces students to non-classical logic, syllogistic, to quantificational and modal logic. The book includes exercises throughout and a glossary of terms and symbols.

Logic and Philosophy - Paul Tidman 1999

This text is designed for those who desire a complete set of rules for first order predicate logic with identity; the text includes a solid range of additional material. Through all editions, the goal has been to make symbolic logic understandable for the typical student. Careful explanation and pedagogy make this the easiest text from which to learn symbolic logic.

Introduction to Logic - Immanuel Kant 2022-02-22

This essential text by one of the founders of modern philosophy offers an accessible introduction to his views on logic, aesthetics, and morality. Written during the height of the Enlightenment, Immanuel Kant’s Introduction to Logic is a clear and concise primer for his larger works Critique of Pure Reason and Groundwork for the Metaphysics of Morals. More accessible than his other books, it provides definitions of Kantian terms and a clear discussion of each of his philosophical pursuits. For more advanced Kantian scholars, this book can bring to light some of the enduring issues in Kant’s repertoire; for the beginner, it can open up the philosophical ideas of one of the most influential thinkers on modern philosophy. This edition comprises two parts: “Kant’s Introduction to Logic” and an essay titled “The Mistaken Subtilty of the Four Syllogistic Figures,” in which Kant analyzes Aristotelian logic.

Logic - Greg Restall 2004-08-02

The methods of logic are essential to an understanding of philosophy and are crucial in the study of mathematics, computing, linguistics and many other subjects. Introducing the major concepts and techniques involved in the study of logic, this authoritative book explores both formal and philosophical logic, and the ways in which we can achieve good reasoning. Individual chapters include: * Propositions and Arguments * Truth Tables * Trees * Conditionality * Natural Deduction * Predicates, Names and Quantifiers * Definite Descriptions. This exceptionally clear introduction to the subject is ideally suited to students taking introductory courses in logic.

An Introduction to the Philosophy of Logic - Daniel Cohnitz 2019-05-31

Philosophy of logic is a fundamental part of philosophical study, and one which is increasingly recognized as being immensely important in relation to many issues in metaphysics, metametaphysics, epistemology, philosophy of mathematics, and philosophy of language. This textbook provides a comprehensive and accessible introduction to topics including the objectivity of logical inference rules and its relevance in discussions of epistemological relativism, the revived interest in logical pluralism, the question of logic's metaphysical neutrality, and the demarcation between logic and mathematics. Chapters in the book cover

the state of the art in contemporary philosophy of logic, and allow students to understand the philosophical relevance of these debates without having to contend with complex technical arguments. This will be a major new resource for students working on logic, as well as for readers seeking a better understanding of philosophy of logic in its wider context.

An Introduction to Symbolic Logic - Langer 1967-01-01

Famous classic has introduced countless readers to symbolic logic with its thorough and precise exposition. Starts with simple symbols and conventions and concludes with the Boole-Schroeder and Russell-Whitehead systems. No special knowledge of mathematics necessary. "One of the clearest and simplest introductions to a subject which is very much alive." — Mathematics Gazette.

Possible Worlds - Raymond Bradley 1979-01-01

Sermons by a noted German theologian discuss what the Bible says about freedom, political power, fear, unity, and human rights

An Introduction to Non-Classical Logic - Graham Priest 2008-04-10

This revised and considerably expanded 2nd edition brings together a wide range of topics, including modal, tense, conditional, intuitionist, many-valued, paraconsistent, relevant, and fuzzy logics. Part 1, on propositional logic, is the old Introduction, but contains much new material. Part 2 is entirely new, and covers quantification and identity for all the logics in Part 1. The material is unified by the underlying theme of world semantics. All of the topics are explained clearly using devices such as tableau proofs, and their relation to current philosophical issues and debates are discussed. Students with a basic understanding of classical logic will find this book an invaluable introduction to an area that has become of central importance in both logic and philosophy. It will also interest people working in mathematics and computer science who wish to know about the area.

Philosophical Logic - John MacFarlane 2020-11-29

Introductory logic is generally taught as a straightforward technical discipline. In this book, John MacFarlane helps the reader think about the limitations of, presuppositions of, and alternatives to classical first-order predicate logic, making this an ideal introduction to philosophical logic for any student who already has completed an introductory logic course. The book explores the following questions. Are there quantificational idioms that cannot be expressed with the familiar universal and existential quantifiers? How can logic be extended to capture modal notions like necessity and obligation? Does the material conditional adequately capture the meaning of 'if'—and if not, what are the alternatives? Should logical consequence be understood in terms of models or in terms of proofs? Can one intelligibly question the validity of basic logical principles like Modus Ponens or Double Negation Elimination? Is the fact that classical logic validates the inference from a contradiction to anything a flaw, and if so, how can logic be modified to repair it? How, exactly, is logic related to reasoning? Must classical logic be revised in order to be applied to vague language, and if so how? Each chapter is organized around suggested readings and includes exercises designed to deepen the reader's understanding. Key Features: An integrated treatment of the technical and philosophical issues comprising philosophical logic Designed to serve students taking only one course in logic beyond the introductory level Provides tools and concepts necessary to understand work in many areas of analytic philosophy Includes exercises, suggested readings, and suggestions for further exploration in each chapter

Logic - Nicholas J.J. Smith 2012-04

Provides an essential introduction to classical logic.

Logic: A Very Short Introduction - Boyce Gibson Professor of Philosophy Graham Priest 2000-10-12

Logic is often perceived as having little to do with the rest of philosophy, and even less to do with real life. Graham Priest explores the philosophical roots of the subject, explaining how modern formal logic addresses many issues.

Crime Scene Investigation - 2004

This reference material is designed to assist trainers and administrators in developing training programs for crime scene investigators. It has four primary sections that mirror the tasks of the investigator: Arriving at the Scene: Initial Response/Prioritization of Efforts; Preliminary Documentation and Evaluation of the Scene; Processing the Scene; and Completing and Recording the Crime Scene Investigation.

Introducing Philosophy - Neil Tennant 2015-02-11

Written for any readers interested in better harnessing philosophy's real value, this book covers a broad range of fundamental philosophical problems and certain intellectual techniques for addressing those problems. In Introducing Philosophy: God, Mind, World, and Logic, Neil Tennant helps any student in pursuit of a 'big picture' to think independently, question received dogma, and analyse problems incisively. It also connects philosophy to other areas of study at the university, enabling all students to employ the concepts and techniques of this millennia-old discipline throughout their college careers – and beyond. KEY FEATURES AND BENEFITS: -- Investigates the philosophy of various subjects (psychology, language, biology, math), helping students contextualize philosophy and view it as an interdisciplinary pursuit; also helps students with majors outside of philosophy to see the relationship between philosophy and their own focused academic pursuits -- Author comes from a distinguished background in Logic and Philosophy of Language, which gives the book a level of rigor, balance, and analytic focus sometimes missing from primers to philosophy -- Introduces students to various important philosophical distinctions (e.g. fact vs. value, descriptive vs. prescriptive, norms vs. laws of nature, analytic vs. synthetic, inductive vs. deductive, a priori vs. a posteriori) providing skills that are important for undergraduates to develop in order to inform their study at higher levels. They are essential for further work in philosophy but they are also very beneficial for students pursuing most other disciplines -- Is much more methodologically comprehensive than competing introductions, giving the student the ability to address a wide range of philosophical problems – and not just the ones reviewed in the book -- Offers a companion website with links to apt primary sources, organized chapter-by-chapter, making unnecessary a separate Reader/Anthology of primary sources – thus providing students with all reading material necessary for the course -- Provides five to ten discussion questions for each chapter, helping instructors and students better interact with the ideas and concepts in the text

Logical Forms - Richard Mark Sainsbury 1991

Logical Forms examines the formal languages of classical first order logic and modal logic, and some alternatives and in each case takes as the central question: how can natural language best be formalized in this formal language? The approach involves close encounters with issues in the philosophy of logic and the philosophy of logic and the philosophy of language.

Meaning and Argument - Ernest Lepore 2012-09-14

Meaning and Argument is a popular introduction to philosophy of logic and philosophy of language. Offers a distinctive philosophical, rather than mathematical, approach to logic Concentrates on symbolization and works out all the technical logic with truth tables instead of derivations Incorporates the insights of half a century's work in philosophy and linguistics on anaphora by Peter Geach, Gareth Evans, Hans Kamp, and Irene Heim among others Contains numerous exercises and a corresponding answer key An extensive appendix allows readers to explore subjects that go beyond what is usually covered in an introductory logic course Updated edition includes over a dozen new problem sets and revisions throughout Features an accompanying website at http://ruccs.rutgers.edu/~logic/MeaningArgument.html

Logic and Philosophy - William H. Brenner 1993-09-30

The dual purpose of this volume--to provide a distinctively philosophical introduction to logic, as well as a logic-oriented approach to philosophy--makes this book a unique and worthwhile primary text for logic and/or philosophy courses. Logic and Philosophy covers a variety of elementary formal and informal types of reasoning, including a chapter on traditional logic that culminates in a treatment of Aristotle's philosophy of science; a truth-functional logic chapter that examines Wittgenstein's philosophy of language, logic, and mysticism; and sections on induction, analogy, and fallacies that incorporate material on mind-body dualism, pseudoscience, the "raven paradox," and proofs of God.

Philosophical Logic - Sybil Wolfram 2014-01-09

A basic introduction to the subject which addresses questions of truth and meaning, providing a basis for much of what is discussed elsewhere in philosophy. Up-to-date and comprehensive.

Introduction to Logic - Paul Herrick 2012-05-17

This is a comprehensive introduction to the fundamentals of logic (both formal logic and critical reasoning), with exceptionally clear yet conversational explanations and a multitude of engaging examples and

exercises. Herrick's examples are on-point and fun, often bringing in real-life situations and popular culture. And more so than other logic textbooks, Introduction to Logic brings in the history of philosophy and logic through interesting boxes/sidebars and discussions, showing logic's relation to philosophy.

Logic and Contemporary Rhetoric - Nancy Cavender 2009-03-01

This classic text has introduced tens of thousands of students to sound reasoning using a wealth of current, relevant, and stimulating examples all put together and explained in a witty and invigorating writing style. Long the choice of instructors who want to keep students interested, LOGIC AND CONTEMPORARY RHETORIC: THE USE OF REASON IN EVERYDAY LIFE, International Edition combines examples from television, newspapers, magazines, advertisements, and our nation's political dialogue. The text not only brings the concepts to life for students, but also puts critical-thinking skills into a context that students will retain and use throughout their lives. This is a book you can actually count on students to read.

Philosophical and Mathematical Logic - Harrie de Swart 2018-11-28

This book was written to serve as an introduction to logic, with in each chapter – if applicable – special emphasis on the interplay between logic and philosophy, mathematics, language and (theoretical) computer science. The reader will not only be provided with an introduction to classical logic, but to philosophical (modal, epistemic, deontic, temporal) and intuitionistic logic as well. The first chapter is an easy to read non-technical Introduction to the topics in the book. The next chapters are consecutively about Propositional Logic, Sets (finite and infinite), Predicate Logic, Arithmetic and Gödel’s Incompleteness Theorems, Modal Logic, Philosophy of Language, Intuitionism and Intuitionistic Logic, Applications (Prolog; Relational Databases and SQL; Social Choice Theory, in particular Majority Judgment) and finally, Fallacies and Unfair Discussion Methods. Throughout the text, the author provides some impressions of the historical development of logic: Stoic and Aristotelian logic, logic in the Middle Ages and Frege's Begriffsschrift, together with the works of George Boole (1815-1864) and August De Morgan (1806-1871), the origin of modern logic. Since "if ..., then ..." can be considered to be the heart of logic, throughout this book much attention is paid to conditionals: material, strict and relevant implication, entailment, counterfactuals and conversational implicature are treated and many references for further reading are given. Each chapter is concluded with answers to the exercises. Philosophical and Mathematical Logic is a very recent book (2018), but with every aspect of a classic. What a wonderful book! Work written with all the necessary rigor, with immense depth, but without giving up clarity and good taste. Philosophy and mathematics go hand in hand with the most diverse themes of logic. An introductory text, but not only that. It goes much further. It's worth diving into the pages of this book, dear reader! Paulo Sérgio Argolo