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Introduction to Logic

Prentice Hall **This book introduces the fundamental methods and techniques of correct reasoning, in a manner that shows the relevance of the topics to readers' everyday lives. Many new exercises introduced in this edition help supplement and support explanations, aid in review, and make the book visually stimulating. This edition also includes a revised Logic tutorial on CD-Rom--further simplifying the study of logic. Includes many fascinating illustrations taken from the history of science as well as from contemporary research in the physical and biological sciences, plus introduces an abundance of new exercises throughout, complete with solutions for the first exercise in a set. Appropriate for those in business, education, political, or psychology careers.**

The Big Questions: A Short Introduction to Philosophy

Cengage Learning **Solomon and Higgins's engaging text covers philosophy's central ideas in an accessible, approachable manner. You'll explore timeless big questions about the self, God, justice, and other meaningful topics, gaining the context you need for an understanding of the foundational issues, as well as the confidence to establish your own informed positions on these big questions. Available with InfoTrac Student Collections <http://goengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

The Force of Logic

Using Formal Logic as a Tool in the Craft of Legal Argument

Aspen Publishing **Have you ever read a legal opinion and come across an odd term like the fallacy of denying the antecedent, the fallacy of the undistributed middle, or the fallacy of the illicit process and wondered how you missed that in law school? You're not alone: every day, lawyers make arguments that fatally trespass the rules of formal logic—without realizing it—because traditional legal education often overlooks imparting the practical wisdom of ancient philosophy as it teaches students how to “think like a lawyer.” In his book, *The Force of Logic: Using Formal Logic as a Tool in the Craft of Legal Argument*, lawyer and law professor Stephen M. Rice guides you to develop your powers of legal reasoning in a new way, through effective tips and tactics that will forever change the way you argue your cases. Rice contends that formal logic provides tools that help lawyers distinguish good arguments from bad ones and, moreover, that they are simple to learn and use. When you know how to recognize logical fallacies, you will not only strengthen your own arguments, but you will also be able to punch holes in your opponent's—and that can make the difference between winning and losing. In this book, Rice builds on the theoretical foundation of formal logic by demonstrating logical fallacies through the use of anecdotes, examples, graphical illustrations, and exercises for you to try that are derived from common case documents. It is a hands-on primer that presents a practical approach for understanding and mastering the place of formal logic in the art of legal reasoning. Whether you are a lawyer, a judge, a scholar, or a student, *The Force of Logic* will inspire you to love legal argument, and appreciate its beauty and complexity in a brand new way.**

A Concise Introduction to Logic

Cengage Learning **Unsurpassed for its clarity and comprehensiveness, Hurley's A CONCISE INTRODUCTION TO LOGIC is the #1 introductory logic textbook on the market. In this Twelfth Edition, Hurley continues to build upon the tradition of a lucid, focused, and accessible presentation of the basic subject matter of logic, both formal and informal. The edition's new Previews connect a section's content to real-life scenarios pertinent to students' lives, using everyday examples to translate new notions and terms into concepts that readers unfamiliar with the subject matter can relate to. Hurley's extensive, carefully sequenced exercises guide students toward greater proficiency with the skills they are learning. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

The Calcutta Gazette

Relations: Concrete, Abstract, And Applied - An Introduction

World Scientific **The book is intended as an invitation to the topic of relations on a rather general basis. It fills the gap between the basic knowledge offered in countless introductory papers and books (usually comprising orders and equivalences) and the highly specialized monographs on mainly relation algebras, many-valued (fuzzy) relations, or graphs. This is done not only by presenting theoretical results but also by giving hints to some of the many interesting application areas (also including their respective theoretical basics). This book is a new — and the first of its kind — compilation of known results on binary relations. It offers relational concepts in both reasonable depth and broadness, and also provides insight into the vast diversity of theoretical results as well as application possibilities beyond the commonly known examples. This book is unique by the spectrum of the topics it handles. As indicated in its title these are:**

Introduction to Logic

Routledge **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.**

Goal-based Reasoning for Argumentation

Cambridge University Press **Practical argumentation is intelligent reasoning from an agent's goals and known circumstances, and from an action selected as a means, to arrive at a decision on what action to take. This book will appeal to a wide audience, from designers of multi-agent and robotics systems to social scientists.**

Study Guide for Copi

Introduction to Logic

Patry on Copyright

"The author provides an encyclopedic analysis of copyright, placing court opinions and statutes in their real-world context. In addition to enumerating a complete legislative and statutory history for relevant provisions on pertinent litigation issues, a circuit-by-circuit breakdown is provided. The extensive discussion of remedial, jurisdictional, choice of law, and international issues is unparalleled in other legal work."--Publisher's website.

Introduction to Logic

Pearson College Division **This introductory logic textbook focuses on the basics of logic and language, deduction, and induction. Specific chapters discuss fallacies, categorical propositions, categorical syllogisms, symbolic logic, quantification theory, analogy and inference, casual connections, science and hypothesis, and**

Fundamentals of Legal Argumentation

A Survey of Theories on the Justification of Judicial Decisions

Springer This book is an updated and revised edition of *Fundamentals of Legal Argumentation* published in 1999. It discusses new developments that have taken place in the past 15 years in research of legal argumentation, legal justification and legal interpretation, as well as the implications of these new developments for the theory of legal argumentation. Almost every chapter has been revised and updated, and the chapters include discussions of recent studies, major additions on topical issues, new perspectives, and new developments in several theoretical areas. Examples of these additions are discussions of recent developments in such areas as Habermas' theory, MacCormick's theory, Alexy's theory, Artificial Intelligence and law, and the pragma-dialectical theory of legal argumentation. Furthermore it provides an extensive and systematic overview of approaches and studies of legal argumentation in the context of legal justification in various legal systems and countries that have been important for the development of research of legal argumentation. The book contains a discussion of influential theories that conceive the law and legal justification as argumentative activity. From different disciplinary and theoretical angles it addresses such topics as the institutional characteristics of the law and the relation between general standards for moral discussions and legal standards such as the Rule of Law. It discusses patterns of legal justification in the context of different types of problems in the application of the law and it describes rules for rational legal discussions. The combination of the sound basis of the first edition and the discussions of new developments make this new edition an up-to-date and comprehensive survey of the various theoretical influences which have informed the study of legal argumentation. It discusses salient backgrounds to this field as well as major approaches and trends in the contemporary research. It surveys the relevant theoretical factors both from various continental law traditions and common law countries.

Catalogue of the Printed Books in the Library of the University of Edinburgh

Edinburgh : T. and A. Constable

Case-Based Reasoning Research and Development

26th International Conference, ICCBR 2018, Stockholm, Sweden, July 9-12, 2018, Proceedings

Springer This book constitutes the refereed proceedings of the 26th International Conference on Case-Based Reasoning Research and Development, ICCBR 2018, held in Stockholm, Sweden, in July 2018. The 39 full papers presented in this book were carefully reviewed and selected from 77 submissions. The theme of ICCBR-2018, "The Future of CBR", was highlighted by several activities. These papers, which are included in the proceedings, address many themes related to the theory and application of case-based reasoning and its future direction. Topics included multiple papers on textual CBR and a number of cognitive and human oriented papers as well as hybrid research between CBR and machine learning.

A Concise Introduction to Logic

Open SUNY Textbooks

Presumptions and Burdens of Proof

An Anthology of Argumentation and the Law

Rhetoric, Law, and the Humanit An anthology of the most important historical sources, classical and modern, on the subjects of presumptions and burdens of proof. In the last fifty years, the study of argumentation has become one of the most exciting intellectual crossroads in the modern academy. Two of the most central concepts of argumentation theory are presumptions and burdens of proof. Their functions have been explicitly recognized in legal theory since the middle ages, but their pervasive presence in all forms of argumentation and in inquiries beyond the law--including politics, science, religion, philosophy, and interpersonal communication--have been the object of study since the nineteenth century. However, the documents and essays central to any discussion of presumptions and burdens of proof as devices of argumentation are scattered across a variety of remote sources in rhetoric, law, and philosophy.

Presumptions and Burdens of Proof: An Anthology of Argumentation and the Law brings together for the first time key texts relating to the history of the theory of presumptions along with contemporary studies that identify and give insight into the issues facing students and scholars today. The collection's first half contains historical sources and begins with excerpts from Aristotle's *Topics* and goes on to include the locus classicus chapter from Bishop Whately's crucial *Elements of Rhetoric* as well as later reactions to Whately's views. The second half of the collection contains contemporary essays by contributors from the fields of law, philosophy, rhetoric, and argumentation and communication theory. These essays explore contemporary understandings of presumptions and burdens of proof and their role in numerous contexts today. This anthology is the definitive resource on the subject of these crucial rhetorical modes and will be a vital resource to all scholars of communication and rhetoric, as well as legal scholars and practicing jurists.

Introduction to Logic

MacMillan "There are obvious benefits to be gained from the study of logic: heightened ability to express ideas clearly and concisely, increased skill in defining one's terms, enlarged capacity to formulate arguments rigorously and to analyze them critically. But the greatest benefit, in my judgment, is the recognition that reason can be applied in every aspect of human affairs. Democratic institutions require that citizens think for themselves, discuss problems freely with one another, and decide issues on the basis of deliberation and the weighing of evidence. Through the study of logic, we can acquire not only practice in reasoning, but also respect for reason, and thus reinforce and secure the values we prize. To help achieve these goals, a textbook of logic should contain an ample selection of illustrations and exercises of human, scientific, and philosophical interest. These should have been presented by serious writers in honest efforts to solve real problems. Ideally, they should include fallacies as well as paradigms of demonstrations. This new edition contains over three hundred new examples and exercises, many of which were selected specifically to fulfill this requirement. Others were introduced to provide a more gradual transition from easier to more challenging exercises that the students should master in order to acquire logical skills as well as logical understanding."--Preface.-- Publisher description.

Essentials of Logic

Taylor & Francis Rendered from the 11th Edition of Copi/Cohen, *Introduction to Logic*, the most respected introductory logic book on the market, this concise version presents a simplified yet rigorous introduction to the study of logic. It covers all major topics and approaches, using a three-part organization that outlines specific topics under logic and language, deduction, and induction. For individuals intrigued by the formal study of logic.

The Metaphysics of World Order

A Synthesis of Philosophy, Theology, and Politics

Wipf and Stock Publishers In this book, Nicolas Laos studies the meaning of the terms "world" and "order," the moral dimensions of each world order model, and wider issues of meaning and interpretation generated by humanity's attempt to live in a meaningful world and to find the logos of the beings and things in the world. The aim of this book is to propose a unified theory of world order (i.e., a theory that combines philosophy, theology, and political theory). In this context, the author provides a thought-provoking (re)interpretation of classical philosophy (placing particular emphasis on Platonism), an in-depth inquiry into medieval philosophy and spirituality (placing particular emphasis on the cultural differences between the Greek East and the Latino-Frankish West), and an intellectually challenging review and evaluation of modern Western philosophy (including Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Rousseau, Kant, Hegel, Kierkegaard, Husserl, and Heidegger) and of Nietzsche's and the postmodernists' revolt against modernity. He then elucidates the philosophical foundations and "pedigree" of each of the three basic political theories of modernity (i.e., Liberalism, Communism, and Fascism), and he studies the basic theoretical debates in International Relations, Geopolitics, and Noopolitics. Finally, Laos proposes a new, "fourth," political theory which he calls "metaphysical republicanism."

Ethics and Technology

Controversies, Questions, and Strategies for Ethical Computing

John Wiley & Sons *Ethics and Technology, 5th Edition*, by Herman Tavani introduces students to issues and controversies that comprise the relatively new field of cyberethics. This text examines a wide range of cyberethics issues--from specific issues of moral responsibility that directly affect computer and information technology (IT) professionals to broader social and ethical concerns that affect each of us in our day-to-day lives. The 5th edition shows how modern day controversies created by emerging technologies can be analyzed from the perspective of standard ethical concepts and theories. -- Provided by publisher.

Introduction to Probability Models

Academic Press **Introduction to Probability Models, Tenth Edition**, provides an introduction to elementary probability theory and stochastic processes. There are two approaches to the study of probability theory. One is heuristic and nonrigorous, and attempts to develop in students an intuitive feel for the subject that enables him or her to think probabilistically. The other approach attempts a rigorous development of probability by using the tools of measure theory. The first approach is employed in this text. The book begins by introducing basic concepts of probability theory, such as the random variable, conditional probability, and conditional expectation. This is followed by discussions of stochastic processes, including Markov chains and Poisson processes. The remaining chapters cover queuing, reliability theory, Brownian motion, and simulation. Many examples are worked out throughout the text, along with exercises to be solved by students. This book will be particularly useful to those interested in learning how probability theory can be applied to the study of phenomena in fields such as engineering, computer science, management science, the physical and social sciences, and operations research. Ideally, this text would be used in a one-year course in probability models, or a one-semester course in introductory probability theory or a course in elementary stochastic processes. **New to this Edition:** 65% new chapter material including coverage of finite capacity queues, insurance risk models and Markov chains Contains compulsory material for new Exam 3 of the Society of Actuaries containing several sections in the new exams Updated data, and a list of commonly used notations and equations, a robust ancillary package, including a ISM, SSM, and test bank Includes SPSS PASW Modeler and SAS JMP software packages which are widely used in the field **Hallmark features:** Superior writing style Excellent exercises and examples covering the wide breadth of coverage of probability topics Real-world applications in engineering, science, business and economics

Discrete Mathematics

An Open Introduction

Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn: 1534970746 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also Investigate! activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete list of changes, and to view the free electronic version of the text, visit the book's website at discrete.openmathbooks.org

A New Introduction to Modal Logic

Routledge This long-awaited book replaces Hughes and Cresswell's two classic studies of modal logic: *An Introduction to Modal Logic* and *A Companion to Modal Logic*. *A New Introduction to Modal Logic* is an entirely new work, completely re-written by the authors. They have incorporated all the new developments that have taken place since 1968 in both modal propositional logic and modal predicate logic, without sacrificing the clarity of exposition and approachability that were essential features of their earlier works. The book takes readers from the most basic systems of modal propositional logic right up to systems of modal predicate with identity. It covers both technical developments such as completeness and incompleteness, and finite and infinite models, and their philosophical applications, especially in the area of modal predicate logic.

Book Buyer

The Book Buyer

A Review and Record of Current Literature

Logic Programming

Proceedings of the Fourteenth International Conference on Logic Programming

MIT Press Covers the latest research in areas such as theoretical foundations, constraints, concurrency and parallelism, deductive databases, language design and implementation, non-monotonic reasoning, and logic programming and the Internet. 8-12 July 1997, Leuven, Belgium The International Conference on Logic Programming is the main annual conference sponsored by the Association for Logic Programming. It covers the latest research in areas such as theoretical foundations, constraints, concurrency and parallelism, deductive databases, language design and implementation, non-monotonic reasoning, and logic programming and the Internet.

Books Out Loud

Introduction to Mathematical Logic

Book World Promotions

Logic and Contemporary Rhetoric

The Use of Reason in Everyday Life

Cengage Learning 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.

The 12 Week Year

Get More Done in 12 Weeks than Others Do in 12 Months

John Wiley & Sons The guide to shortening your execution cycle down from one year to twelve weeks Most organizations and individuals work in the context of annual goals and plans; a twelve-month execution cycle. Instead, The 12 Week Year avoids the pitfalls and low productivity of annualized thinking. This book redefines your "year" to be 12 weeks long. In 12 weeks, there just isn't enough time to get complacent, and urgency increases and intensifies. The 12 Week Year creates focus and clarity on what matters most and a sense of urgency to do it now. In the end more of the important stuff gets done and the impact on results is profound. Explains how to leverage the power of a 12 week year to drive improved results in any area of your life Offers a how-to book for both individuals and organizations seeking to improve their execution effectiveness Authors are leading experts on execution and implementation Turn your organization's idea of a year on its head, and speed your journey to success.

Logical Reasoning

Bradley Dowden This book is designed to engage students' interest and promote their writing abilities while teaching them to think critically and creatively. Dowden takes an activist stance on critical thinking, asking students to create and revise arguments rather than simply recognizing and criticizing them. His book emphasizes inductive reasoning and the analysis of individual claims in the beginning, leaving deductive arguments for consideration later in the course.

The Semantic Web: Semantics and Big Data

10th International Conference, ESWC 2013, Montpellier, France, May 26-30, 2013. Proceedings

Springer This book constitutes the refereed proceedings of the 10th Extended Semantic Web Conference, ESWC 2013, held in Montpellier, France, in May 2013. The 42 revised full papers presented together with three invited talks were carefully reviewed and selected from 162 submissions. They are organized in tracks on ontologies; linked open data; semantic data management; mobile Web, sensors and semantic streams; reasoning; natural language processing and information retrieval; machine learning; social Web and Web science; cognition and semantic Web; and in-use and industrial tracks. The book also includes 17 PhD papers presented at the PhD Symposium.

Introduction to Logic and Critical Thinking

Houghton Mifflin Harcourt P

Proofs from THE BOOK

Springer Science & Business Media According to the great mathematician Paul Erdős, God maintains perfect mathematical proofs in The Book. This book presents the authors candidates for such "perfect proofs," those which contain brilliant ideas, clever connections, and wonderful observations, bringing new insight and surprising perspectives to problems from number theory, geometry, analysis, combinatorics, and graph theory. As a result, this book will be fun reading for anyone with an interest in mathematics.

Study Guide

Introduction to Logic, Tenth Edition, Irving M. Copi, Carl Cohen

Pearson College Division

Introduction to Logic and to the Methodology of the Deductive Sciences

Oxford University Press on Demand The fourth edition of a classic book on logic has been thoroughly revised by the author's son. It is a fundamental guide to modern mathematical logic and to the construction of mathematical theories. The first half covers the elements of logic, and the second half covers the applications of logic in theory building. A short biographical sketch of Alfred Tarski is a newly-added section.

Multiple-Valued Logic Design

an Introduction

CRC Press Multiple-Valued Logic Design: An Introduction explains the theory and applications of this increasingly important subject. Written in a clear and understandable style, the author develops the material in a skillful way. Without using a huge mathematical apparatus, he introduces the subject in a general form that includes the well-known binary logic as a special case. The book is further enhanced by more 200 explanatory diagrams and circuits, hardware and software applications with supporting PASCAL programming, and comprehensive exercises with even-numbered answers for every chapter. Requiring introductory knowledge in Boolean algebra, 2-valued logic, or 2-valued switching theory, Multiple-Valued Logic Design: An Introduction is an ideal book for courses not only in logic design, but also in switching theory, nonclassical logic, and computer arithmetic. Computer scientists, mathematicians, and electronic engineers can also use the book as a basis for research into multiple-valued logic design.

Probability

A Philosophical Introduction

Psychology Press This work presents the basic concepts of probability to philosophy students who are new to this area of the subject.

Critical Thinking

A Student's Introduction

Ingram

Books in Print