

Being Logical A To Good Thinking

Logic concepts are more mainstream than you may realize. There's logic every place you look and in almost everything you do, from deciding which shirt to buy to asking your boss for a raise, and even to watching television, where themes of such shows as CSI and Numbers incorporate a variety of logistical studies. Logic For Dummies explains a vast array of logical concepts and processes in easy-to-understand language that make everything clear to you, whether you're a college student or a student of life.

You'll find out about: Formal Logic Syllogisms Constructing proofs and refutations Propositional and predicate logic Modal and fuzzy logic Symbolic logic Deductive and inductive reasoning Logic For Dummies tracks an introductory logic course at the college level. Concrete, real-world examples help you understand each concept you encounter, while fully worked out proofs and fun logic problems encourage you students to apply what you've learned.

Manhattan Prep's LSAT Logical Reasoning guide, fully updated for the digital exam, will teach you how to untangle Logical Reasoning problems confidently and efficiently. Manhattan Prep's LSAT guides use officially-released LSAT questions and are written by the company's instructors, who have all scored a 172 or higher on the official LSAT—we know how to earn a great score and we know how to teach you to do the same. This guide will train you to approach LSAT logical reasoning problems as a 99th-percentile test-taker does: Recognize and respond to every type of question Deconstruct the text to find the core argument or essential facts Spot—and avoid—trap answers Take advantage of the digital format to work quickly and strategically Each chapter in LSAT Logical Reasoning features drill sets—made up of real LSAT questions—to help you absorb and apply what you've learned. The extensive solutions walk you through every step needed to master Logical Reasoning, including an in-depth explanation of every answer choice, correct and incorrect.

Conjectures and Refutations is one of Karl Popper's most wide-ranging and popular works, notable not only for its acute insight into the way scientific knowledge grows, but also for applying those insights to politics and to history. It provides one of the clearest and most accessible statements of the fundamental idea that guided his work: not only our knowledge, but our aims and our standards, grow through an unending process of trial and error.

Do you feel stuck in life, not knowing how to make it more successful? Do you wish to become more popular? Are you craving to earn more? Do you wish to expand your horizon, earn new clients and win people over with your ideas? How to Win Friends and Influence People is a well-researched and comprehensive guide that will help you through these everyday problems and make success look easier. You can learn to expand your social circle, polish your skill set, find ways to put forward your thoughts

more clearly, and build mental strength to counter all hurdles that you may come across on the path to success. Having helped millions of readers from the world over achieve their goals, the clearly listed techniques and principles will be the answers to all your questions.

Emotional

How to Win Friends and Influence People

The Comfort of Things

An Introduction to Logical Thinking

An Open Introduction

Logical Reasoning

Why Flawed Logic Puts Us All at Risk and How Critical Thinking Can Save the World

The Art of Logical Thinking is a compelling case for the need for rational thought and reasoning, and sets forth guidelines and examples to help readers incorporate these principles into their lives. William Walker Atkinson was an attorney, merchant, publisher, and author, as well as an occultist and an American pioneer of the New Thought movement.

#1 NEW YORK TIMES BESTSELLER The stunning debut novel from one of the most creative artists of our generation, Bobby Hall, a.k.a. Logic. "Bobby Hall has crafted a mind-bending first novel, with prose that is just as fierce and moving as his lyrics. Supermarket is like Naked Lunch meets One Flew Over the Cuckoo's Nest—if they met at Fight Club."—Ernest Cline, #1 New York Times bestselling author of Ready Player One Flynn is stuck—depressed, recently dumped, and living at his mom's house. The supermarket was supposed to change all that. An ordinary job and a steady check. Work isn't work when it's saving you from yourself. But things aren't quite as they seem in these aisles. Arriving to work one day to a crime scene, Flynn's world collapses as the secrets of his tortured mind are revealed. And Flynn doesn't want to go looking for answers at the supermarket. Because something there seems to be looking for him. A darkly funny psychological thriller, Supermarket is a gripping exploration into madness and creativity. Who knew you could find sex, drugs, and murder all in aisle nine? Logic, Sets, and Numbers is a brief introduction to abstract mathematics that is meant to familiarize the reader with the formal and conceptual rigor that higher-level undergraduate and graduate textbooks commonly employ. Beginning with formal logic and a fairly extensive discussion of concise formulations of mathematical statements, the text moves on to cover general patterns of proofs, elementary set theory, mathematical induction, cardinality, as well as, in the final chapter, the creation of the various number systems from the integers up to the complex numbers. On the whole, the book's intent is not only to reveal the nature of mathematical abstraction, but also its

inherent beauty and purity.

Can a religious truth be logically proven, or is religion forever relegated to being a matter of blind faith? If there is a true religion, shouldn't we be able to prove it by now, using scientific data and higher mathematics? This is exactly what Paul Kasch sets out to do in his latest work. The reader is invited to follow along in the investigation process as we:

- Establish an unbiased, neutral mindset*
- Look around at the environment we find ourselves living in, and attempt to solve the question of our existence*
- Gather the world's major religions, logically arrange and dissect them, and require them to present demonstrable truth of their claims*

This book would not exist if the quest failed. Using nothing more than the reasoning prowess we are all born with, a solitary (yet timeless) religious truth emerges as the equation of the only sound logical argument capable of producing such a thing. Use your head for something other than a hat rack and join the author on an intellectual journey which renders all other pursuits trivial by comparison.

What Science, Mathematics, and Logic Cannot Tell Us

Think to Win

The Art of Logic in an Illogical World

Being Logical

Logic For Dummies

The Outer Limits of Reason

Logic, Sets, and Numbers

This book is a crash course in effective reasoning, meant to catapult you into a world where you start to see things how they really are, not how you think they are. The focus of this book is on logical fallacies, which loosely defined, are simply errors in reasoning. With the reading of each page, you can make significant improvements in the way you reason and make decisions. Logically Fallacious is one of the most comprehensive collections of logical fallacies with all original examples and easy to understand descriptions, perfect for educators, debaters, or anyone who wants to improve his or her reasoning skills. "Expose an irrational belief, keep a person rational for a day. Expose irrational thinking, keep a person rational for a lifetime." - Bo Bennett This 2021 Edition includes dozens of more logical fallacies with many updated examples.

"A flawless compendium of flaws." —Alice Roberts, PhD, anatomist, writer, and presenter of The Incredible Human Journey The antidote to fuzzy thinking, with furry animals! Have you read (or stumbled into) one too many irrational online debates? Ali Almosawi certainly had, so he wrote An Illustrated Book of Bad Arguments! This handy guide is here to bring the internet age a much-needed dose of old-school logic (really old-school, a la Aristotle). Here are cogent explanations of the straw man fallacy, the slippery slope argument, the ad hominem attack, and other common attempts at reasoning that actually fall short—plus a beautifully drawn menagerie of animals who (adorably) commit every logical faux pas. Rabbit thinks a strange light in the sky must be a UFO because no one can prove otherwise (the

appeal to ignorance). And Lion doesn't believe that gas emissions harm the planet because, if that were true, he wouldn't like the result (the argument from consequences). Once you learn to recognize these abuses of reason, they start to crop up everywhere from congressional debate to YouTube comments—which makes this geek-chic book a must for anyone in the habit of holding opinions. What do we know about ordinary people in our towns and cities, about what really matters to them and how they organize their lives today? This book visits an ordinary street and looks into thirty households. It reveals the aspirations and frustrations, the tragedies and accomplishments that are played out behind the doors. It focuses on the things that matter to these people, which quite often turn out to be material things - their house, the dog, their music, the Christmas decorations. These are the means by which they express who they have become, and relationships to objects turn out to be central to their relationships with other people - children, lovers, brothers and friends. If this is a typical street in a modern city like London, then what kind of society is this? It's not a community, nor a neighbourhood, nor is it a collection of isolated individuals. It isn't dominated by the family. We assume that social life is corrupted by materialism, made superficial and individualistic by a surfeit of consumer goods, but this is misleading. If the street isn't any of these things, then what is it? This brilliant and revealing portrayal of a street in modern London, written by one of the most prominent anthropologists, shows how much is to be gained when we stop lamenting what we think we used to be and focus instead on what we are now becoming. It reveals the forms by which ordinary people make sense of their lives, and the ways in which objects become our companions in the daily struggle to make life meaningful.

Informal Logical Fallacies: A Brief Guide is a systematic and concise introduction to more than fifty logical fallacies. This revised edition includes updated examples, exercises, and a new chapter on non-Western logical fallacies.

The Little Blue Reasoning Book

Good Thinking

How Searching for Fulfillment at Work Fosters Inequality

Logically Fallacious

Is a Good God Logically Possible?

50 Powerful Principles for Clear and Effective Thinking

The Dialogical Roots of Deduction

The Little Blue Reasoning Book helps readers build essential critical thinking, creative thinking, and decision-making skills and is suitable for the everyday student, test-prep candidate, or working professional in need of a refresher course. Interwoven within the book's five chapters - Perception & Mindset, Decision Making, Creative Thinking, Analyzing Arguments, and Mastering Logic - are 50 reasoning tips that summarize the common themes behind classic reasoning problems and situations. Appendixes contain summaries of fallacious reasoning, analogies, trade-offs, and a review of critical reading.

Good Thinking is our best defense against anti-vaccine paranoia, climate denial, and other dire threats of today
Publisher's Note: Good Thinking was previously published in the UK as The Irrational Ape. In our ever-more-

polarized society, there's at least one thing we still agree on: The world is overrun with misinformation, faulty logic, and the gullible followers who buy into it all. Of course, we're not among them—are we? Scientist David Robert Grimes is on a mission to expose the logical fallacies and cognitive biases that drive our discourse on a dizzying array of topics—from vaccination to abortion, 9/11 conspiracy theories to dictatorial doublespeak, astrology to alternative medicine, and wrongful convictions to racism. But his purpose in *Good Thinking* isn't to shame or place blame. Rather, it's to interrogate our own assumptions—to develop our eye for the glimmer of truth in a vast sea of dubious sources—in short, to think critically. Grimes's expert takedown of irrationality is required reading for anyone wondering why bad thinking persists and how we can defeat it. Ultimately, no one changes anyone else's mind; we can only change our own—and give others the tools to do the same.

This book introduces the basic inferential patterns of formal logic as they are embedded in everyday life, information technology, and science. It is designed to make clear the basic topics of classical and modern logic. The aim is to improve the reader's ability to navigate both everyday and science-based interactions.

An exploration of the scientific limits of knowledge that challenges our deep-seated beliefs about our universe, our rationality, and ourselves. Many books explain what is known about the universe. This book investigates what cannot be known. Rather than exploring the amazing facts that science, mathematics, and reason have revealed to us, this work studies what science, mathematics, and reason tell us cannot be revealed. In *The Outer Limits of Reason*, Noson Yanofsky considers what cannot be predicted, described, or known, and what will never be understood. He discusses the limitations of computers, physics, logic, and our own thought processes. Yanofsky describes simple tasks that would take computers trillions of centuries to complete and other problems that computers can never solve; perfectly formed English sentences that make no sense; different levels of infinity; the bizarre world of the quantum; the relevance of relativity theory; the causes of chaos theory; math problems that cannot be solved by normal means; and statements that are true but cannot be proven. He explains the limitations of our intuitions about the world—our ideas about space, time, and motion, and the complex relationship between the knower and the known. Moving from the concrete to the abstract, from problems of everyday language to straightforward philosophical questions to the formalities of physics and mathematics, Yanofsky demonstrates a myriad of unsolvable problems and paradoxes. Exploring the various limitations of our knowledge, he shows that many of these limitations have a similar pattern and that by investigating these patterns, we can better understand the structure and limitations of reason itself. Yanofsky even attempts to look beyond the borders of reason to see what, if anything, is out there.

The Duh! Book of Management and Supervision

Informal Logical Fallacies

Conjectures and Refutations

The Riddle of the Rosetta Stone

A Guide to Formal Logical Reasoning

Introduction to Logic and Critical Thinking

The Secret Logic of Sexual Fantasies

How both logical and emotional reasoning can help us live better in our post-truth world In a world where fake news stories change election outcomes, has rationality become futile? In The Art of Logic in an Illogical World, Eugenia Cheng throws a lifeline to readers drowning in the illogic of contemporary life. Cheng is a mathematician, so she knows how to make an airtight argument. But even for her, logic sometimes falls prey to emotion, which is why she still fears flying and eats more cookies than she should. If a mathematician can't be logical, what are we to do? In this book, Cheng reveals the inner workings and limitations of logic, and explains why a logic -- for example, emotion -- is vital to how we think and communicate. Cheng shows us how to use logic and a logic together to navigate a world awash in bigotry, mansplaining, and manipulative memes. Insightful, useful, and funny, this essential book is for anyone who wants to think more clearly.

This work represents an attempt to show that standard systems of deontic logic (taken as attempts to codify normal deontic reasoning) run into a number of difficulties. It also presents a new system of deontic logic and argues that it is free from the shortcomings of standard systems.

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.

Uncover the truth under all the BS In the daily battle for our hearts and minds--not to mention our hard-earned cash--the truth is usually the first casualty. It's time we learned how to see through the rhetoric, faulty reasoning, and misinformation that we're subjected to from morning to night by talk-radio hosts, op-ed columnists, advertisers, self-help gurus, business "thinkers," and, of course, politicians. And no one is better equipped to show us how than award-winning philosopher Jamie Whyte. In Crimes Against Logic Whyte take us on a fast-paced, ruthlessly funny romp through the mulligan stew of can, folderol, and bogus logic served up in the media, at the office, and even in your own home. Applying his laserlike wit to dozens of timely examples, Whyte cuts through the haze of facts, figures, and double-talk and gets at the real truth behind what they're telling us. "An incisive philosopher." --Sunday Telegraph

An Introduction to Abstract Mathematics

How to Be Witty and Come Up with the Right Things to Say Instantly!

From Everyday Life to Formal Systems

An Introduction to Logic

Philosophical Groundwork for a New Deontic Logic

A Concise Introduction to Logic

"Until the Rosetta Stone was finally translated and the decoding of hieroglyphic writing made possible, much of Egyptian history was lost. The author has done a masterful job of distilling information, citing the highlights, and fitting it all together in an interesting and enlightening look at a puzzling subject." —H. "The social and intellectual history here are fascinating. A handsome, inspiring book." —K. Notable Children's Books of 1991 (ALA) Notable 1990 Children's Trade Books in Social Studies (NCSS/CBC) Children's Books of 1990 (Library of Congress) 100 Books for Reading and Sharing (NY Public Library) Parenting Honorable Mention, Reading Magic Award

A bestselling modern classic—both poignant and funny—narrated by a fifteen year old autistic savant obsessed with Sherlock Holmes, this dazzling novel weaves together an old-fashioned mystery, a contemporary coming-of-age story, and a fascinating excursion into a mind incapable of processing emotions. Christopher John Francis Boone knows all the countries of the world and their capitals and every prime number up to 7,057. Although gifted with a superbly logical brain, Christopher is autistic. Everyday interactions and admonishments have little meaning for him. At fifteen, Christopher's carefully constructed world falls apart when he finds his neighbour's dog Wellington impaled on a garden fork, and he is initially blamed for the killing. Christopher decides that he will track down the real killer, and turns to his favourite fictional character, the impeccably logical Sherlock Holmes, for inspiration. But the investigation leads him down some unexpected paths and ultimately brings him face to face with the dissolution of his parents' marriage. As Christopher tries to deal with the crisis within his own family, the narrative draws readers into the workings of Christopher's mind. And herein lies the key to the brilliance of Mark Haddon's choice of narrator: The most wrenching of emotional moments are chronicled by a boy who cannot fathom emotions. The effect is dazzling, making for one of the freshest debut in years: a comedy, a tearjerker, a mystery story, a novel of exceptional literary merit that is great fun to read.

Forrester eloquently argues his new system of deontic logic (a special branch of logic involved with obligation and permission) pitting it against standard systems and fitting it into a general logic of practical reasoning. He manages all this with a comprehensive discussion of the general principles of deontics, the semantics of "should" and "ought to do" in standard deontic logic, and a map of what he thinks the logic ought to do to achieve moral realism. Paper edition (unseen), \$24.95. Annotation copyright by Book News, Inc., Portland, OR

Managerial styles are influenced by habit, familiarity, and workplace culture. It's no wonder that well-intentioned professionals doing their best to be good organizational leaders often repeat unhelpful

supervisory practices experienced in their early careers, even if they disliked them at the time. In the DUH! Book of Management and Supervision, the author disagrees with many accepted leadership principles (unabashedly referring to them as myths) and makes new and different approaches easier to imagine. Her challenging and controversial concepts illustrated with poignant stories suggest common-sense and immediately applicable alternatives more suitable in today's workplace.

The Power of Logic in Everyday Life

Logic as a Tool

How Feelings Shape Our Thinking

Supermarket

The Growth of Scientific Knowledge

Logical Philosophy: A Compendium

A Guide to Clear Legal Thinking

Logical Philosophy: A Compendium brings together five works by Avi Sion published in 2002-06, namely: Phenomenology (2003), Volition and Allied Causal Concepts (2004), Meditations (2006), Ruminations (2005), and Buddhist Illogic (2002). These works together define what may be termed 'Logical Philosophy', i.e. philosophical discourse distinguished by its steadfast reliance on inductive and deductive logic to resolve epistemological and ontological issues. This collection does not include work done on The Logic of Causation in the same period (published in 2003, 2005).

*The Instant-Series Presents "Instant Wit" How to Be Witty and Come Up with the Right Things to Say Instantly! Surely you've encountered (or even know) that one particular individual in your life who seems to be able to pull "something witty to say" at the drop of a hat that knocks everyone's socks off - by generating the perfect responses for the perfect moment, cracking unexpected jokes making people laugh, or bantering witty one-liner comments with their endless repertoire of repartees. So who is this Mr./Ms. Witty? You're scratching your head dumbfounded, yet in impressive awe...how in the world do they do it, and deep down secretly wanting to be like them. Who doesn't, right? Who wouldn't love to be admired, respected, and worshipped for their charming clever wit? Yet, it's much more than that. By being witty, you can always come up with the right things to say, at the right time in expressing yourself clearly, concisely, and convincingly at an instant with few short words (no more, no less) that establishes more authority, credibility, and trust. That's the power of having a razor-sharp wit! If the pen is mightier than the sword, then the wit is sharper than the knife. However, let's be honest, being witty doesn't always come naturally, especially for those who are less creative and more logical-prone. The good news is, your wit is like your muscle, and like any muscle, it can be trained and built up...all without needing to memorize any line by knowing a few structures and formulas to guide how to generate your responses. Within "Instant Wit": * How to use this "twister technique" to*

*prepare yourself on what you should say, when the exact moment occurs for your quick comeback. * How to strengthen your creative wit to banter witty one-liners with another person, for good fun or quick laugh. * How to cut down any opponent with your razor-sharp wit, so they won't dare mess with you ever again. * How to take whatever response you get and absorb it, to think of and respond back with the appropriate words. * How to use your clever wit to think fast on your feet during tough situation, to handle it properly for the best outcome. * Plus, custom practical "how-to" strategies, techniques, applications and exercises to improve your wittiness. ...and much more. Don't be dim-witted...be quick-witted. Become the king/queen of your wit by developing a razor-sharp wit to be reckon with. Respect the wit!*

Being Logical A Guide to Good Thinking Random House Trade Paperbacks

*We've all been told that thinking rationally is the key to success. But at the cutting edge of science, researchers are discovering that feeling is every bit as important as thinking. You make hundreds of decisions every day, from what to eat for breakfast to how you should invest, and not one of those decisions would be possible without emotion. It has long been said that thinking and feeling are separate and opposing forces in our behavior. But as Leonard Mlodinow, the best-selling author of *Subliminal*, tells us, extraordinary advances in psychology and neuroscience have proven that emotions are as critical to our well-being as thinking. How can you connect better with others? How can you make sense of your frustration, fear, and anxiety? What can you do to live a happier life? The answers lie in understanding your emotions. Journeying from the labs of pioneering scientists to real-world scenarios that have flirted with disaster, Mlodinow shows us how our emotions can help, why they sometimes hurt, and what we can learn in both instances. Using deep insights into our evolution and biology, Mlodinow gives us the tools to understand our emotions better and to maximize their benefits. Told with his characteristic clarity and fascinating stories, *Emotional* explores the new science of feelings and offers us an essential guide to making the most of one of nature's greatest gifts.*

Dispelling Common Leadership Myths

Historical, Cognitive, and Philosophical Perspectives on Reasoning

Arousal

Come, Let Us Reason

The Curious Incident of the Dog in the Night-Time

Logic: A Very Short Introduction

Crimes Against Logic: Exposing the Bogus Arguments of Politicians, Priests, Journalists, and Other Serial Offenders

Based on his twenty-five years of experience as a psychotherapist, a renowned doctor furnishes a new theory of sexual desire that allows readers to comprehend their own sexual preferences and fantasises, and those of their partners. Reprint.

Written in a clear, precise and user-friendly style, *Logic as a Tool: A Guide to Formal Logical Reasoning* is intended for undergraduates in both mathematics and computer science, and will guide them to learn, understand and master the use of classical logic as a tool for doing correct reasoning. It offers a systematic and precise exposition of classical logic with many examples and exercises, and only the necessary minimum of theory. The book explains the grammar, semantics and use of classical logical languages and teaches the reader how grasp the meaning and translate them to and from natural language. It illustrates with extensive examples the use of the most popular deductive systems -- axiomatic systems, semantic tableaux, natural deduction, and resolution -- for formalising and automating logical reasoning both on propositional and on first-order level, and provides the reader with technical skills needed for practical derivations in them. Systematic guidelines are offered on how to perform logically correct and well-structured reasoning using these deductive systems and the reasoning techniques that they employ.

- Concise and systematic exposition, with semi-formal but rigorous treatment of the minimum necessary theory, amply illustrated with examples
- Emphasis both on conceptual understanding and on developing practical skills
- Solid and balanced coverage of syntactic, semantic, and deductive aspects of logic
- Includes extensive sets of exercises, many of them provided with solutions or answers
- Supplemented by a website including detailed slides, additional exercises and solutions

For more information browse the book's website at: <https://logicasatool.wordpress.com>

Inspired by pleas for a layperson's guide to "thinking well", author S. Cannavo walks through the various modes of thinking, understanding, and reasoning, making logical thought engaging through real-life examples. He offers essential tips on how anyone can be empowered through continual self-monitoring and self-improvement. *THINK TO WIN* offers the fertile ground in which to cultivate your rational intelligence.

Probing the ominous side of career advice to "follow your passion," this data-driven study explains how the passion principle fails us and perpetuates inequality by class, gender, and race; and it suggests how we can reconfigure our relationships to paid work. "Follow your passion" is a popular mantra for career decision-making in the United States. Passion-seeking seems like a promising path for avoiding the potential drudgery of a life of paid work, but this "passion principle"—seductive as it is—does not universally translate. *The Trouble with Passion* reveals the significant downside of the passion principle: the concept helps culturally legitimize and reproduce an exploited, overworked white-collar labor force and broadly serves to reinforce class, race, and gender segregation and inequality. Grounding her investigation in the paradoxical tensions between capitalism's demand for ideal workers and our cultural expectations for self-expression, sociologist Erin A. Cech draws on interviews that follow students from college into the workforce, surveys of US workers, and experimental data to explain why the passion principle is such an attractive, if deceptive, career decision-making mantra, particularly for the college educated. Passion-seeking presumes middle-class safety nets and springboards and penalizes first-generation and working-class young adults who seek passion without them. The ripple effects of this mantra undermine the promise of college as a tool for social and economic mobility. The passion principle also feeds into a culture of overwork, encouraging white-collar workers to tolerate precarious employment and gladly sacrifice time, money, and leisure for work they are passionate about. And potential employers covet, but won't compensate, passion among job applicants. This book asks, What does it take to center passion in career decisions? Who gets ahead and who gets left behind by passion-seeking? *The Trouble with Passion* calls for citizens, educators, college administrators, and industry leaders to reconsider how we think about good jobs and, by extension, good lives.

Being Good and Being Logical: Philosophical Groundwork for a New Deontic Logic

An Illustrated Book of Bad Arguments
A Guide to Good Thinking
The Art of Logical Thinking or The Law of Reasoning
Discrete Mathematics
Logic for Lawyers
Instant Wit

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

Using yet untapped resources from moral and political philosophy, this book seeks to answer the question of whether an all good God who is presumed to be all powerful is logically compatible with the degree and amount of moral and natural evil that exists in our world. It is widely held by theists and atheists alike that it may be logically impossible for an all good, all powerful God to create a world with moral agents like ourselves that does not also have at least some moral evil in it. James P. Sterba focuses on the further question of whether God is logically compatible with the degree and amount of moral and natural evil that exists in our world. The negative answer he provides marks a new stage in the age-old debate about God's existence.

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.

The first comprehensive account of the concept and practices of deduction covering philosophy, history, cognition and

mathematical practice.

Being Good & Being Logical

LSAT Logical Reasoning

A Brief Guide

Solving Religion with Logic

Logical proof that God exists and the Bible is all true

The Trouble with Passion

The Ultimate Collection of Over 300 Logical Fallacies (Academic Edition)

A layperson's guide to using logic in everyday life defines the elements of clear reasoning, discussing the uses of major argument types while explaining how to avoid common logic errors. Reprint. 12,500 first printing.

The perfect introductory textbook, this simplified study of logic prepares readers to reason thoughtfully and to spot illogic in an argument.