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# A Concise Introduction To Logic 10th Edition

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A Concise Introduction to Logic New York :  
Random House

Formal logic provides us with a powerful set of techniques for criticizing some arguments and showing others to be valid. These techniques are relevant to all of us with an interest in being skilful and accurate reasoners. In this highly accessible book, Peter Smith presents a guide to the fundamental aims and basic elements of formal logic. He introduces the reader to the languages of propositional and predicate logic, and then develops formal systems for evaluating arguments translated into these languages, concentrating on the easily comprehensible 'tree' method. His discussion is richly illustrated with worked examples and exercises. A distinctive feature is that, alongside the formal work, there is illuminating philosophical commentary. This book will make an ideal text for a first logic course, and will provide a firm basis for further work in formal and philosophical logic.

**How Logic Works** Wadsworth  
Publishing Company

A handy reference, this four-page course card includes rules and argument forms

students need in order to complete exercises.

Critical Thinking Springer Science & Business Media

Forallx is an introduction to sentential logic and first-order predicate logic with identity, logical systems that significantly influenced twentieth-century analytic philosophy. After working through the material in this book, a student should be able to understand most quantified expressions that arise in their philosophical reading. This book treats symbolization, formal semantics, and proof theory for each language. The discussion of formal semantics is more direct than in many introductory texts. Although forall x does not contain proofs of soundness and completeness, it lays the groundwork for understanding why these are things that need to be proven. Contents: What is logic?

Sentential logic Truth tables Quanti ed logic Formal semantics Proofs Other symbolic notation Solutions to selected exercises  
Stand Alone Rules and Argument Forms Card  
John Wiley & Sons

Mathematical logic developed into a broad discipline with many applications in mathematics, informatics, linguistics and philosophy. This text introduces the fundamentals of this field, and this new edition has been thoroughly expanded and revised.

**A Concise Introduction to Mathematical**

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## **Logic** Wadsworth Publishing Company

While there are already several well known textbooks on mathematical logic this book is unique in treating the material in a concise and streamlined fashion. This allows many important topics to be covered in a one semester course. Although the book is intended for use as a graduate text the first three chapters can be understood by undergraduates interested in mathematical logic. The remaining chapters contain material on logic programming for computer scientists, model theory, recursion theory, Godel's Incompleteness Theorems, and applications of mathematical logic.

Philosophical and foundational problems of mathematics are discussed throughout the text.

### **A Concise Introduction to Logic W/Cd** John Wiley & Sons

This book deals with two important branches of mathematics, namely, logic and set theory. Logic and set theory are closely related and play very crucial roles in the foundation of mathematics, and together produce several results in all of mathematics. The topics of logic and set theory are required in many areas of physical sciences, engineering, and technology. The book offers solved examples and exercises, and provides reasonable details to each topic discussed, for easy understanding. The book is designed for readers from various disciplines where mathematical logic and set theory play a crucial role. The book will be of interested to students and instructors in engineering, mathematics, computer science, and technology.

### **First-Order Logic** Hackett Publishing

Learning Logic interactive tutorials provide students with additional review and practice with examples and exercises not found in the text. The program contains more than 11,000 sound files along with hundreds of engaging animations and cartoons that present the central concepts of logic. Thousands of interactive practice problems give audio and visual feedback for both correct and incorrect answers. Learning Logic is now included in CengageNOW for Hurley's **A CONCISE INTRODUCTION TO LOGIC**, Tenth Edition.

However, instructors who prefer the content on CD may still bundle the CD-ROM with the text, at no additional cost, or direct their students to purchase the CD as a stand-alone item.

### **Concise Introduction to Logic and Set Theory** CRC Press

This concise guide is designed to enable the reader to learn how to program in assembly language as quickly as possible. Through a hands-on programming approach, readers will also learn about the architecture of the Intel processor, and the relationship between high-level and low-level languages. This updated second edition has been expanded with additional exercises, and enhanced with new material on floating-point numbers and 64-bit processing.

Topics and features: provides guidance on simplified register usage, simplified input/output using C-like statements, and the use of high-level control structures; describes the implementation of control structures, without the use of high-level structures, and often with related C program code; illustrates concepts with one or more complete program; presents review summaries in each chapter, together with a variety of exercises, from short-answer questions to programming assignments; covers selection and iteration structures, logic, shift, arithmetic shift, rotate, and stack instructions, procedures and macros, arrays, and strings; includes an introduction to floating-point instructions and 64-bit processing; examines machine language from a discovery perspective, introducing the principles of computer organization. A must-have resource for undergraduate students seeking to learn the fundamentals necessary to begin writing logically correct programs in a minimal amount of time, this work will serve as an ideal textbook for an

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assembly language course, or as a supplementary text for courses on computer organization and architecture. The presentation assumes prior knowledge of the basics of programming in a high-level language such as C, C++, or Java.

*Forallx - An Introduction to Formal Logic*

Cengage Learning

NOT SOLD SEPARATELY.

**A Concise Introduction to Logic** Thomson

Tens of thousands of students have learned to be more discerning at constructing and evaluating arguments with the help of Patrick J. Hurley. Hurley's lucid, friendly, yet thorough presentation has made **A CONCISE INTRODUCTION TO LOGIC** the most widely used logic text in North America. In addition, the book's accompanying technological resources, such as CengageNOW and Learning Logic, include interactive exercises as well as video and audio clips to reinforce what you read in the book and hear in class. In short, you'll have all the assistance you need to become a more logical thinker and communicator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

[A Concise Introduction to Logic](#) Cambridge University Press

Includes summary statements of main points, worked-out examples with answers, and answers to additional exercises from the text.

**Concise Introduction to Logic** Random House Incorporated

Logic Made Easy: A Concise Introduction to Informal and Formal Logic is designed to help students expand their ability to think and reason. The text underscores the importance of logical thinking in professional and personal contexts. It demonstrates how the ability to understand the arguments of others, and formulate solid arguments, can make or break business negotiations, contracts, job offers, personal relationships, and more. The opening chapter provides readers with a concise introduction to logic. Additional chapters cover the basic concepts

of an argument, the various types of meaning, and informal fallacies. Students learn about categorical propositions and categorical syllogisms. The final chapter examines propositional logic. The text is written in a highly conversational tone and connects concepts related to logic to everyday scenarios to encourage greater student understanding and engagement. Throughout, learning outcomes, reflection questions, key terms, summaries, and Exercise Your Brain activities reinforce key learnings and support retention of the material. A concise and approachable introduction, **Logic Made Easy** is an exemplary resource for philosophy, business, pre-law, and computer science programs, as well as any course with an emphasis on understanding and developing logical arguments.

[A Concise Introduction to Logic](#) Hackett Publishing

A much-needed guide to thinking critically for oneself and how to tell a good argument from a bad one. Includes topical examples from politics, sport, medicine, music, chapter summaries, glossary and exercises.

[Study Guide for Hurley's A Concise Introduction to Logic, 7th Edition](#) Open SUNY Textbooks

**Giving Reasons** prepares students to think independently, evaluate information, and reason clearly across disciplines. Accessible to students and effective for instructors, it provides plain-English exercises, helpful appendices, and a variety of online supplements.

**Giving Reasons** Cambridge University Press

"The best introduction to logic you will find."—Martin Gardner "Professor Bennett entertains as she instructs," writes Publishers Weekly about the penetrating yet practical **Logic Made Easy**. This brilliantly clear and gratifyingly concise treatment of the ancient Greek discipline identifies the illogical in everything from street signs to tax forms. Complete with puzzles you can try yourself, **Logic Made Easy** invites readers to identify and ultimately remedy logical slips in everyday life. Designed with dozens of visual examples, the book guides

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you through those hair-raising times when logic is at odds with our language and common sense. *Logic Made Easy* is indeed one of those rare books that will actually make you a more logical human being.

**A Concise Introduction to Logic** Cambridge University Press

Second edition of the introductory guidebook to the basic principles of constructing sound arguments and criticising bad ones. Non-technical in approach, it is based on 186 examples, which Douglas Walton, a leading authority in the field of informal logic, discusses and evaluates in clear, illustrative detail. Walton explains how errors, fallacies, and other key failures of argument occur. He shows how correct uses of argument are based on sound strategies for reasoned persuasion and critical responses. This edition takes into account many developments in the field of argumentation study that have occurred since 1989, many created by the author. Drawing on these developments, Walton includes and analyzes 36 new topical examples and also brings in work on argumentation schemes. Ideally suited for use in courses in informal logic and introduction to philosophy, this book will also be valuable to students of pragmatics, rhetoric, and speech communication.

**Im Concise Intro to Logic** Springer

Accompanying CD-ROM includes demonstration software and most of the exercises from the book in interactive format.

**Informal Logic** Wadsworth Publishing Company

A concise yet rigorous introduction to logic and discrete mathematics. This book features a unique combination of comprehensive coverage of logic with a solid exposition of the most important fields of discrete mathematics, presenting material that has been tested and refined by the authors in university courses taught over more than a decade. The chapters on logic -

propositional and first-order - provide a robust toolkit for logical reasoning, emphasizing the conceptual understanding of the language and the semantics of classical logic as well as practical applications through the easy to understand and use deductive systems of Semantic Tableaux and Resolution. The chapters on set theory, number theory, combinatorics and graph theory combine the necessary minimum of theory with numerous examples and selected applications. Written in a clear and reader-friendly style, each section ends with an extensive set of exercises, most of them provided with complete solutions which are available in the accompanying solutions manual. Key Features: Suitable for a variety of courses for students in both Mathematics and Computer Science. Extensive, in-depth coverage of classical logic, combined with a solid exposition of a selection of the most important fields of discrete mathematics. Concise, clear and uncluttered presentation with numerous examples. Covers some applications including cryptographic systems, discrete probability and network algorithms. Logic and Discrete Mathematics: A Concise Introduction is aimed mainly at undergraduate courses for students in mathematics and computer science, but the book will also be a valuable resource for graduate modules and for self-study.

**A Concise Introduction to Logic** W. W. Norton & Company

This print supplement follows the same chapter and section format as the book. Each chapter includes a summary of the material presented, as well as sample exercises, with an explanation of the means taken to arrive at the conclusion. Each chapter also contains additional exercises, with answers in the back of the book.

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## **Heil-Concise Introduction to Logic** Psychology Press

"In his introduction to this most welcome republication (and second edition) of his logic text, Heil clarifies his aim in writing and revising this book: 'I believe that anyone unfamiliar with the subject who set out to learn formal logic could do so relying solely on [this] book. That, in any case, is what I set out to create in writing *An Introduction to First-Order Logic*.' Heil has certainly accomplished this with perhaps the most explanatorily thorough and pedagogically rich text I've personally come across. "Heil's text stands out as being remarkably careful in its presentation and illuminating in its explanations—especially given its relatively short length when compared to the average logic textbook. It hits all of the necessary material that must be covered in an introductory deductive logic course, and then some. It also takes occasional excursions into side topics, successfully whetting the reader's appetite for more advanced studies in logic. "The book is clearly written by an expert who has put in the effort for his readers, bothering at every step to see the point and then explain it clearly to his readers. Heil has found some very clever, original ways to introduce, motivate, and otherwise teach this material. The author's own special expertise and perspective—especially when it comes to tying philosophy of mind, linguistics, and philosophy of language into the lessons of logic—make for a creative and fresh take on basic logic. With its unique presentation and illuminating explanations, this book comes about as close as a text can come to imitating the learning environment of an actual classroom. Indeed, working through its presentations carefully, the reader feels as though he or she has just attended an illuminating lecture on the relevant topics!" —Jonah Schupbach, University of Utah