Introduction to Logic and Critical Thinking

Students learn logic by practicing it--by working through problems, analyzing existing arguments, and constructing their own arguments in plain language and symbolic notation. The Art of Reasoning not only introduces the principles of critical thinking and logic in a clear, accessible, and logical manner--thus practicing what it preaches--but it also provides ample opportunity for students to hone their skills and master course content.

Critical Thinking

The Conduct of Inquiry is a practical introduction to logic and scientific method. It provides a comprehensive and current discussion of the logic of scientific method and scientific reasoning. The author places consistent stress on the evaluation of actual scientific reasoning and the development of critical thinking skills by employing numerous examples that require the application of the principles discussed in the text. Each chapter lays out basic, underlying principles of logic and scientific method and illustrates them by reference to detailed case studies in the history of science. The method of proceeding from concrete case studies to general principle embodied in the examples provides an understandable progression for those learning the basic ideas of logic and scientific method.

Introducing Logic and Critical Thinking

Designed for students with no prior training in logic, INTRODUCTION TO LOGIC AND CRITICAL THINKING offers an accessible treatment of logic that enhances understanding of reasoning in everyday life. The text begins with an introduction to arguments. After some linguistic preliminaries, the text presents a detailed analysis of inductive reasoning and associated fallacies. This order of presentation helps to motivate the use of formal methods in the subsequent sections on deductive logic and fallacies. Lively and straightforward prose assists students in gaining facility with the sometimes challenging concepts of logic. By combining a sensitive treatment of ordinary language arguments with a simple but rigorous exposition of basic principles of logic, the text develops students' understanding of the relationships between logic and language, and strengthens their skills in critical thinking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Art of Deception

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. A 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.

Art of Reasoning: A New Introduction to Logic and Critical Thinking

"An introductory logic textbook. The Art of Reasoning, 5e, shows students how logic can be applied to everyday life in each chapter, uses real-world examples to explain core concepts, and includes a new chapter on the cognitive biases and errors students are most likely to encounter in their own thinking."--

The Thinking Toolbox: Thirty-Five Lessons That Will Build Your Reasoning Skills

This robust, clear, and well-researched textbook for classes in logic introduces students to both formal logic and to the virtues of intellectual inquiry. Part 1 challenges students to develop the analytical skills of deductive and inductive reasoning, showing them how to identify and evaluate arguments. Part 2 helps students develop the intellectual virtues of the wise inquirer. The book includes helpful pedagogical features such as practice exercises and a concluding summary with definitions of key concepts for each chapter. Resources for professors and students are available through Baker Academic's Textbook eSources.

INTRODUCTION TO LOGIC AND CRITICAL THINKING (PRODUCT ID 23961700).

The Art of Reasoning

Can you tell when you're being deceived? This classic work on critical thinking -- now fully updated and revised -- uses a novel approach to teach the basics of informal logic. On the assumption that "it takes one to know one," the authors have written the book from the point of view of someone who wishes to deceive, mislead, or manipulate others. Having mastered the art of deception, readers will then be able to detect the misuse or abuse of logic when they encounter it in others — whether in a heated political debate or while trying to evaluate the claims of a persuasive sales person. Using a host of real-world examples, the authors show how to win an argument, defend a case, recognize a fallacy, see through deception, persuade a skeptic, and turn defeat into victory. Not only do they discuss the fundamentals of logic (premises, conclusions, syllogisms, common fallacies, etc.), but they also consider important related issues often encountered in face-to-face debates, such as gaining a sympathetic audience, responding to audience reaction, using nonverbal devices, clearly presenting the facts, refutation, and driving home a concluding argument. Whether you're preparing for law school or you just want to become more adept at making your points and analyzing others' arguments, The Art of Deception will give you the intellectual tools to become a more effective thinker and speaker. Helpful exercises and discussion questions are also included.

Introduction to Logic and Critical Thinking

"This is an introductory textbook in logic and critical thinking. The goal of the textbook is to provide the reader with a set of tools and skills that will enable them to identify and evaluate arguments. The book is intended for an introductory course that covers both formal and informal logic. As such, it is not a formal logic textbook, but is closer to what one would find marketed as a "critical thinking textbook"."--BC Campus website.

Introduction to Logic and Critical Thinking
Critical Thinking

An inexpensive but comprehensive introduction. Examples and homework problems touch on philosophical issues much more so than standard texts, providing instructors an opportunity to ease into philosophical discussions as desired and piquing student interest. Homework assignments are on tear-out pages for ease of use. While Critical Thinking and Logic: A Philosophical Workbook covers standard issues of critical thinking such as argument types and fallacies, it also provides a solid foundation for an advanced course in formal logic. The final chapter includes a complete translation of Descartes's Meditations, allowing students to put their newly acquired skills to work on a classic work of philosophy.

Logic and Critical Thinking

Critical Thinking

Solutions Manual to Accompany Introduction to Logic and Critical Thinking

Designed for students with no prior training in logic, INTRODUCTION TO LOGIC AND CRITICAL THINKING offers an accessible treatment of logic that enhances understanding of reasoning in everyday life. The text begins with an introduction to arguments. After some linguistic preliminaries, the text presents a detailed analysis of inductive reasoning and associated fallacies. This order of presentation helps to motivate the use of formal methods in the following sections on deductive logic and fallacies that mimic deductive arguments. Lively and straightforward prose assists students in gaining facility with the sometimes challenging concepts of logic. By combining a sensitive treatment of ordinary language arguments with a simple but rigorous exposition of basic principles of logic, the text develops students' understanding of the relationships between logic and language, and strengthens their skills in logic and critical thinking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Critical Thinking

Why is it so hard to learn critical thinking skills? Traditional textbooks focus almost exclusively on logic and fallacious reasoning, ignoring two crucial problems. As psychologists have demonstrated recently, many of our mistakes are not caused by formal reasoning gone awry, but by our bypassing it completely. We instead favor more comfortable, but often unreliable, intuitive methods. Second, the evaluation of premises is of fundamental importance, especially in this era of fake news and politicized science. This highly innovative text is psychologically informed, both in its diagnosis of inferential errors, and in teaching students how to watch out for and work around their natural intellectual blind spots. It also incorporates insights from epistemology and philosophy of science that are indispensable for learning how to evaluate premises. The result is a hands-on primer for real world critical thinking. The authors bring over four combined decades of classroom experience and a fresh approach to the traditional challenges of a critical thinking course: effectively explaining the nature of validity, assessing deductive arguments, reconstructing, identifying and diagramming arguments, and causal and probabilistic inference. Additionally, they discuss in detail, important, frequently neglected topics, including testimony, the nature and credibility of science, rhetoric, and dialectical argumentation. Key Features and Benefits: Uses contemporary psychological explanations of, and remedies for, pervasive errors in belief formation. There is no other critical thinking text that generally applies this psychological approach. Asesses premises, notably premises based on the testimony of others, and evaluation of news and other information sources. No other critical thinking textbook gives detailed treatment of this crucial topic. Typically, they only provide a few remarks about when to accept expert opinion / argument from authority. Carefully explains the concept of validity, paying particular attention in distinguishing logical possibility from other species of possibility, and demonstrates how we may mistakenly judge invalid arguments as valid because of belief bias. Instead of assessing an argument's validity using formal/mathematical methods (i.e., truth tables for propositional logic and Venn diagrams for categorical logic), provides one technique that is generally applicable: explicitly showing that it is impossible to make the conclusion false and the premises true together. For instructors who like the more formal approach, the text also includes standard treatments using truth tables and Venn diagrams. Uses frequency trees and the frequency approach to probability more generally, a simple method for understanding and evaluating quite complex probabilistic information Uses arguments maps, which have been shown to significantly improve students' reasoning and argument evaluation.

The Art of Reasoning

The Elements of Arguments introduces such central critical thinking topics as informal fallacies, the difference between validity and truth, basic formal propositional logic, and how to extract arguments from texts. Turetzky aims to prevent common confusions by clearly explaining a number of important distinctions, including propositions vs. propositional attitudes, propositions vs. states of affairs, and logic vs. rhetoric vs. psychology. Exercises are provided throughout, including numerous informal arguments that can be assessed using the skills and strategies presented within the text.

Critical Reasoning

Introduction to Logic

This new and expanded edition of The Logic of Real Arguments explains a distinctive method for analysing and evaluating arguments. It discusses many examples, ranging from newspaper articles to extracts from classic texts, and from easy passages to much more difficult ones. It shows students how to use the question 'What argument or evidence would justify me in believing P?', and also how to deal with suppositional arguments beginning with the phrase 'Suppose that X were the case.' It aims to help students to think critically about the kind of sustained, theoretical arguments which they commonly encounter in the course of their studies, including arguments about the natural world, about society, about policy, and about philosophy. It will be valuable for students and their teachers in a wide range of disciplines including philosophy, law and the social sciences.

Introduction to Logic and Critical Thinking

Introducing Logic and Critical Thinking

A demanding introduction to logic and critical thinking, this book offers more traditional means of teaching the art of reasoning at a time when the field has become almost mathematical. Francis Dauer has rethought the framework for teaching reasoning in general and formal logic in particular, the desired epistemological context, and the role of the fallacies. The result is a coherent and very readable work, informed by Dauer's extensive experience teaching and writing on the subject.

Introduction to Logic and Critical Thinking

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.

Logic and Critical Thinking: An Introduction for Muslim Students

Critical Thinking is a comprehensive and accessible introduction to the essential skills of good reasoning, written by Canadian authors for Canadian readers. The book includes a thorough treatment of such central topics as deductive and inductive reasoning, logical fallacies, how to recognize and avoid ambiguity, and how
to distinguish what is relevant from what is not. Later chapters discuss the application of critical thinking skills to particular topics and tasks, including scientific reasoning, moral reasoning, media analysis, and essay writing. This seventh edition is revised and updated throughout and includes a new chapter on legal reasoning as well as access to a companion website of additional questions and other useful resources.

Critical Thinking

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 Critical Thinking and Creativity

This book will help you to reason critically: to recognize, analyze and evaluate arguments and to classify them as inductive or deductive. It will introduce you to fallacies (bad arguments that look like good arguments) and, in two optional chapters, to the rudiments of formalization. Linked to Marianna Talbot's hugely successful Critical Reasoning podcasts (downloaded 4 million times from iTunes!), and full of interactive exercises and quizzes, the book was written to satisfy demand from fans of the podcasts. Marianna is Director of Studies in Philosophy at Oxford University's Department for Continuing Education.

I. M. Introduction to Logic and Critical Thinking

Students learn logic by practicing it—by working through problems, analyzing existing arguments, and constructing their own arguments in plain language and symbolic notation. The Art of Reasoning not only introduces the principles of critical thinking and logic in a clear, accessible, and logical manner—thus practicing what it preaches—but it also provides ample opportunity for students to hone their skills and master course content.

A Concise Introduction to Logic

Designed for students with no prior training in logic, INTRODUCTION TO LOGIC AND CRITICAL THINKING offers an accessible treatment of logic that enhances understanding of reasoning in everyday life. The text begins with an introduction to arguments. After some linguistic preliminaries, the text presents a detailed analysis of inductive reasoning and associated fallacies. This order of presentation helps to motivate the use of formal methods in the subsequent sections on deductive logic and fallacies. Lively and straightforward prose assists students in gaining facility with the sometimes challenging concepts of logic. By combining a sensitive treatment of ordinary language arguments with a simple but rigorous exposition of basic principles of logic, the text develops students' understanding of the relationships between logic and language, and strengthens their skills in critical thinking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Conduct of Inquiry

Introduction to Logic and Critical Thinking

I have tried to make this book an argument, not a catalogue of dogmas. Its ideal reader will find himself constantly asking questions, for which he will insist on finding his own answers. To avoid wasting his time, I have made the fullest use of authentic illustrations from newspapers, books, and other contemporary sources. One of the wisest things ever said about our subject is that: “Logic, like whiskey, loses its beneficial effect when taken in too large doses.” While bearing this constantly in mind, I have also aimed at a high level of accuracy and the inclusion of nothing that would have to be unearted at a more advanced level of study. This book could never have been written without the help of the students to whom I have lectured on logic and scientific method. My chief obligations are to them. Logic ought to be easy, interesting, and enjoyable. This book will have been successful if it helps some readers to find it so.—Prof. Max Black

An Introduction to Critical Thinking

Introduction to Logic

‘You shouldn’t drink too much. The Earth is round. Milk is good for your bones.’ Are any of these claims true? How can you tell? Can you ever be certain you are right? For anyone tackling philosophical logic and critical thinking for the first time, Critical Thinking: An Introduction to Reasoning Well provides a practical guide to the skills required to think critically. From the basics of good reasoning to the difference between claims, evidence and arguments, Robert Arp and Jamie Carlin Watson cover the topics found in an introductory course. Now revised and fully updated, this Second Edition features a glossary, chapter summaries, more student-friendly exercises, study questions, diagrams, and suggestions for further reading. Topics include: the structure, formation, analysis and recognition of arguments deductive validity and soundness inductive strength and cogency inference to the best explanation truth tables tools for argument assessment informal and formal fallacies With real life examples, advice on graduate school entrance exams and an expanded companion website packed with additional exercises, an answer key and help with real life examples, this easy-to-follow introduction is a complete beginner’s tool set to good reasoning, analyzing and arguing. Ideal for students in basic reasoning courses and students preparing for graduate school.

INTRODUCTION TO LOGIC AND CRITICAL THINKING

Critical Thinking and Logic

Tens of thousands of students have learned to be more discerning at constructing and evaluating arguments with the help of Patrick J. 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.

Introduction to Logic and Critical Thinking

The Art of Reasoning
A Concise Introduction to Logic

Students learn logic by practicing it by working through problems, analyzing existing arguments, and constructing their own arguments in plain language and symbolic notation. The Art of Reasoning not only introduces the principles of critical thinking and logic in a clear, accessible, and logical manner thus practicing what it preaches but it also provides ample opportunity for students to hone their skills and master course content.

An Introduction to Critical Thinking

The Logic of Real Arguments

This is a new release of the original 1952 edition.

The Elements of Arguments: An Introduction to Critical Thinking and Logic

This robust, clear, and well-researched textbook for classes in logic introduces students to both formal logic and to the virtues of intellectual inquiry. Part 1 challenges students to develop the analytical skills of deductive and inductive reasoning, showing them how to identify and evaluate arguments. Part 2 helps students develop the intellectual virtues of the wise inquirer. The book includes helpful pedagogical features such as practice exercises and a concluding summary with definitions of key concepts for each chapter. Resources for professors and students are available through Baker Academic's Textbook eSources.

Critical Thinking: An Introduction to the Basic Skills - Canadian Seventh Edition

The New Critical Thinking

A valuable guide on creativity and critical thinking to improve reasoning and decision-making skills. Critical thinking skills are essential in virtually any field of study or practice where individuals need to communicate ideas, make decisions, and analyze and solve problems. An Introduction to Critical Thinking and Creativity: Think More, Think Better outlines the necessary tools for readers to become critical as well as creative thinkers. By gaining a practical and solid foundation in the basic principles that underlie critical thinking and creativity, readers will become equipped to think in a more systematic, logical, and imaginative manner. Creativity is needed to generate new ideas to solve problems, and critical thinking evaluates and improves an idea. These concepts are uniquely introduced as a unified whole due to their dependence on each other. Each chapter introduces relevant theories in conjunction with real-life examples and findings from cognitive science and psychology to illustrate how the theories can be applied in numerous fields and careers. An emphasis on how theoretical principles of reasoning can be practical and useful in everyday life is featured, and special sections on presentation techniques, the analysis of meaning, decision-making, and reasoning about personal and moral values are also highlighted. All chapters conclude with a set of exercises, and detailed solutions are provided at the end of the book. A companion website features online tutorials that further explore topics including meaning analysis, argument analysis, logic, statistics, and strategic thinking, along with additional exercises and multimedia resources for continued study. An Introduction to Critical Thinking and Creativity is an excellent book for courses on critical thinking and logic at the undergraduate and graduate levels. The book also serves as a self-contained study guide for readers interested in the topics of critical thinking and creativity as a unified whole.

Copyright code: 78923704b1881ed31f210b76a6c42f