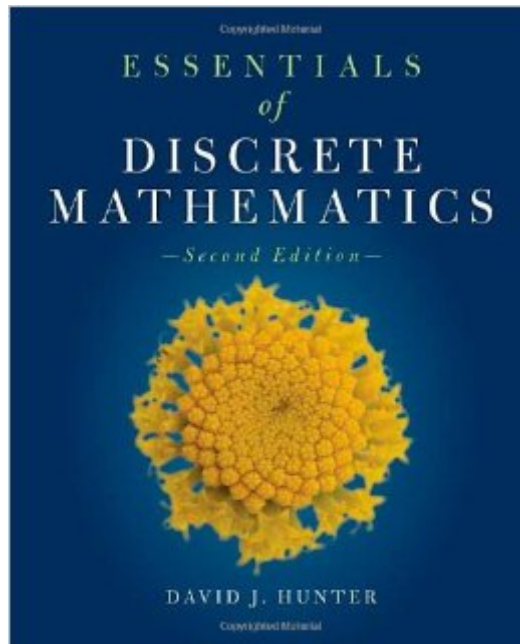# Essentials Of Discrete Mathematics (The Jones & Bartlett Learning Inernational Series In Mathematics)

Synopsis

Essentials of Discrete Mathematics, Second Edition is the ideal text for a one-term discrete mathematics course to serve computer science majors as well as students from a wide range of other disciplines. It introduces students to the mathematical way of thinking, and also to many important modern applications. The material is organized around five types of thinking: logical, relational, recursive, quantitative, and analytical. This presentation results in a coherent outline that steadily builds upon mathematical sophistication. Graphs are introduced early and referred to throughout the text, providing a richer context for examples and applications. Students will encounter algorithms near the end of the text, after they have acquired the skills and experience needed to analyze them. The final chapter contains in-depth case studies from a variety of fields, including biology, sociology, linguistics, economics, and music. Clear and concise, Essentials of Discrete Mathematics presents a unified and complete picture of discrete mathematics that instructors can cover in a single semester.

Book Information

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Customer Reviews

This book is written and illustrated in a manner that is clear and precise, while using plain English. Terminology is explained. Intermediate steps are explained. Dependencies between chapters and sections are clearly marked. Exercises and examples are relevant and progress from simple to complex. A good breadth of subject matter is covered. For the reader who is not particularly

mathematically-inclined, but who needs to master the fundamentals of discrete mathematics, (such as for computer science), this is an outstanding book, head and shoulders above any other I've used (and, to get a grip on discrete math, algorithms, and optimization, I've been reading A LOT of them lately).

I used this book for two logic courses. The book is laid out in a straightforward logical(I would expect as much from such a book) fashion. You should be able to go from the first to the last chapter without a need to jump around to connect concepts as they simply build upon one another. Each chapter is also self contained meaning that if you only wanted to learn about graph theory you could skip to that section and read it and be able to understand it without needing to consult other chapters which is nice when you take a semester break between logic courses. The best part are the problem sections which the book provides detailed answers for. Unlike most math books which only detail a few steps or simply give you an answer to reference this book will actually lead you through the process of solving the problems which is immensely helpful.

Need this for the class i am taking right now and its very helpful in helping me understand my professor's lectures. But i wish they did add more explanations in the examples field before the homework problems.Edit: Bought this book back in 2013, the price basically tripled now :O .. just wow. They love making it harder for people to get an education.

I'm taking this class over the summer and this book has great explanations and diagrams for completing the work. The price was wayyy better than what the campus bookstore was charging.

can't believe it! it's so cheap!

This was a required textbook for a college class i'm taking right now. This textbook helped me to better understand Discrete Math needed in computer science.

This is what 10 of my classmates had to say about this textbook (including my own comment (#1))1) â œThe textbook was very difficult to follow.â •2) â œThe book really did a sub-par job in explaining many of the concepts. It was the worst instructional material I have ever read. It really did not explain anything well, and really only half way explained particular aspects of this course.â •3) â œI would not put a lot a confidence in this textbook. This thing will lead you down a dark road without a

flashlight.â •4) â œUse other resources than the book to get a better understanding.â •5) â œI did not really like our textbook that much.â •6) â œI agree with other posts that our book was not the greatest resource.â •7) â œThe book did not seem to help in the least.â •8) â œThe book was not the most beneficial.â •9) â œIt was very difficult to take the examples from the book and figure out the homework problems.â •10) â œThe book provides very little value.â •

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