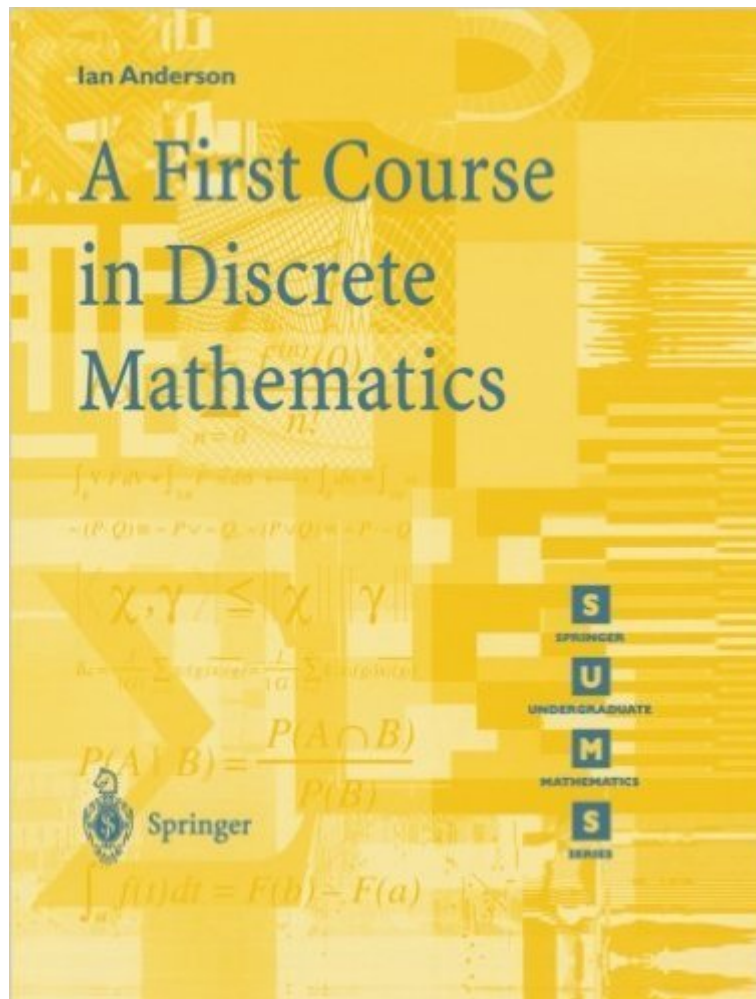


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# A First Course In Discrete Mathematics (Springer Undergraduate Mathematics Series)



## Synopsis

Drawing on many years' experience of teaching discrete mathematics to students of all levels, Anderson introduces such aspects as enumeration, graph theory and configurations or arrangements. Starting with an introduction to counting and related problems, he moves on to the basic ideas of graph theory with particular emphasis on trees and planar graphs. He describes the inclusion-exclusion principle followed by partitions of sets which in turn leads to a study of Stirling and Bell numbers. Then follows a treatment of Hamiltonian cycles, Eulerian circuits in graphs, and Latin squares as well as proof of Hall's theorem. He concludes with the constructions of schedules and a brief introduction to block designs. Each chapter is backed by a number of examples, with straightforward applications of ideas and more challenging problems.

## Book Information

File Size: 2466 KB

Print Length: 212 pages

Page Numbers Source ISBN: 1852332360

Publisher: Springer; 2002 edition (December 6, 2012)

Publication Date: December 6, 2012

Sold by: Digital Services LLC

Language: English

ASIN: B000PY3WB0

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #875,350 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #44

in Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Pure Mathematics > Combinatorics #61 in Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Pure Mathematics > Discrete Mathematics #256 in Books > Science & Math > Mathematics > Pure Mathematics > Combinatorics

## Customer Reviews

I have no idea why this would be a good book to start off with when learning Discrete Mathematics. It's hard to understand and I actually had to buy another book to explain this one. My tutors hardly

knew how to dissect it and instead helped me by accessing online materials. If you can, stay away from this book. I'm assuming though that like me, you had to buy it because it was required for a class.

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