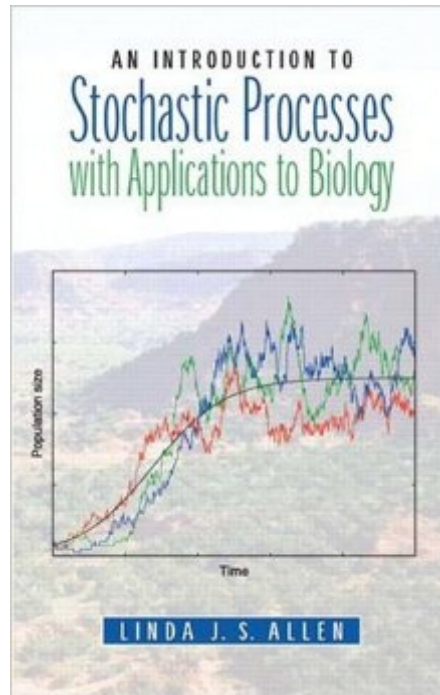


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# An Introduction To Stochastic Processes With Biology Applications



## Synopsis

Plenty of examples, diagrams, and figures take readers step-by-step through well-known classical biological models to ensure complete understanding of stochastic formulation. Probability, Markov Chains, discrete time branching processes, population genetics, and birth and death chains. For biologists and other professionals who want a comprehensive, easy-to-follow introduction to stochastic formulation as it pertains to biology.

## Book Information

Hardcover: 400 pages

Publisher: Prentice Hall; 1st edition (April 28, 2003)

Language: English

ISBN-10: 0130352187

ISBN-13: 978-0130352187

Product Dimensions: 6.2 x 0.9 x 9.2 inches

Shipping Weight: 1.4 pounds

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

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## Customer Reviews

Good for undergrads or beginning grad students. I think Allen's book helps bring students up to speed with probability theory before jumping into stochastic processes. I really liked the examples from epidemiology and biology and the way she builds up by adding complexity. I also don't see a HUGE difference between the second and the first edition (for me) except that the first edition is lighter and cheaper (I know it's from different publishers...). I own both and use them as reference texts for a research project I am working on with some advanced undergraduate students. This book could be used for a year long Intro to Stochastic Processes course, either for senior undergrads or beginning grad students.

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