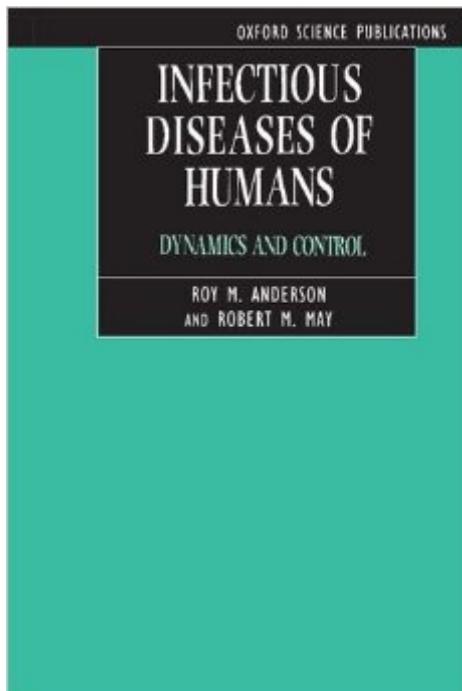


The book was found

Infectious Diseases Of Humans: Dynamics And Control (Oxford Science Publications)



Synopsis

This book deals with infectious diseases -- viral, bacterial, protozoan and helminth -- in terms of the dynamics of their interaction with host populations. The book combines mathematical models with extensive use of epidemiological and other data. This analytic framework is highly useful for the evaluation of public health strategies aimed at controlling or eradicating particular infections. Such a framework is increasingly important in light of the widespread concern for primary health care programs aimed at such diseases as measles, malaria, river blindness, sleeping sickness, and schistosomiasis, and the advent of AIDS/HIV and other emerging viruses. Throughout the book, the mathematics is used as a tool for thinking clearly about fundamental and applied problems having to do with infectious diseases. The book is divided into two parts, one dealing with microparasites (viruses, bacteria and protozoans) and the other with macroparasites (helminths and parasitic arthropods). Each part begins with simple models, developed in a biologically intuitive way, and then goes on to develop more complicated and realistic models as tools for public health planning. The book synthesizes previous work in this rapidly growing field (much of which is scattered between the ecological and the medical literature) with a good deal of new material.

Book Information

Series: Oxford Science Publications

Paperback: 768 pages

Publisher: Oxford University Press; Reprint edition (September 24, 1992)

Language: English

ISBN-10: 019854040X

ISBN-13: 978-0198540403

Product Dimensions: 9.2 x 1.6 x 6.1 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ See all reviewsÂ (1 customer review)

Best Sellers Rank: #280,137 in Books (See Top 100 in Books) #28 inÂ Books > Medical Books > Dentistry > Preventive #111 inÂ Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Infectious Diseases #119 inÂ Books > Medical Books > Basic Sciences > Biostatistics

Customer Reviews

I'm shocked that no one has previously reviewed this. In a sense, it is *the* classic text of disease ecology, binding together decades worth of papers and theory into a single, coherent volume. May was trained as a physicist, and Anderson as a mathematician. They are a singular duo in ecology,

publishing a series of very high impact papers that re-shaped the way many thought the interactions between hosts and parasites, drawing analogies with popular predator-prey systems. In addition, they drew attention to interactions between ecology and evolution. One of the things that I most like about their work in general, and this book in particular, is the clear narrative structure. There are abundant equations, but each is explained with clear English, and each one's importance in the overall "story" is plainly laid out. I found it to be *almost* (though not quite) armchair pleasure reading. Much of the math isn't exceptionally difficult, and can be skipped, but those looking for detail will find plenty. It's beginning to get a little old in what is missing, but this work remains a firm foundation for disease ecology, which in itself remains a cornerstone of modern population and community ecology research.

[Download to continue reading...](#)

Infectious Diseases of Humans: Dynamics and Control (Oxford Science Publications) Infectious Diseases in Primates: Behavior, Ecology and Evolution (Oxford Series in Ecology and Evolution) CAT TRAINING FOR HUMANS: OBEY THE CAT RULES OR THERE WILL BE TROUBLE: CAT CARE CAT FOOD CAT BEHAVOUR CAT RULES CAT TRAINING EXPLAINED FOR HUMANS (IT IS ... FOOD CAT LOVER CAT TRAINING SERIES Book 1) Introduction to Modern Colloid Science (Oxford Science Publications) Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases Neuroimmune Circuits, Drugs of Abuse, and Infectious Diseases (Advances in Experimental Medicine and Biology) Parasitic and Infectious Diseases: Epidemiology and Ecology Hagan and Bruner's Microbiology and Infectious Diseases of Domestic Animals Blackwell's Five-Minute Veterinary Consult Clinical Companion: Canine and Feline Infectious Diseases and Parasitology Curing the Incurable: Vitamin C, Infectious Diseases, and Toxins Bats and Viruses: A New Frontier of Emerging Infectious Diseases Hunter's Tropical Medicine and Emerging Infectious Diseases Drug Therapy for Infectious Diseases of the Dog and Cat Infectious Diseases of the Dog and Cat, 4e Core Concepts in Clinical Infectious Diseases (CCCID) Essentials of Clinical Infectious Diseases Red Book 2015: Report of the Committee on Infectious Diseases Equine Infectious Diseases, 2e Veterinarians Guide to the Laboratory Diagnosis of Infectious Diseases Equine Infectious Diseases V: Proceedings of the Fifth International Conference

[Dmca](#)