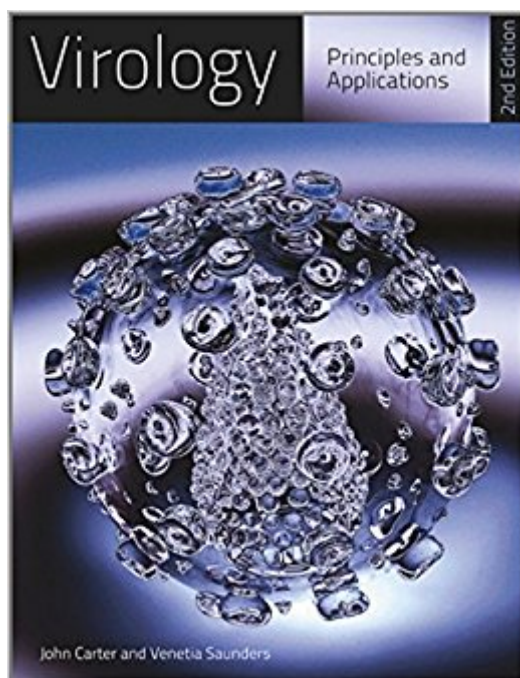


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# Virology: Principles And Applications



## Synopsis

The second edition of Virology is an accessible introduction designed to enable students to understand the principles of virus structure, replication and genetics. The aim of this book is to help the reader appreciate the relevance of virology in the modern world, including the fields of vaccines, anti-viral drugs and cancer. There is also a chapter on prions. The second edition has been extensively revised and updated to reflect the many developments in virology and offers deeper insights into the subject. Newly-discovered viruses are discussed and there is an additional chapter on the influenza virus.

## Book Information

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## Customer Reviews

Virology is a fascinating and rapidly developing subject. The introduction of new laboratory techniques and the continued application of established methods are producing a wealth of new information. Virology is a branch of science that is of immense relevance to mankind for a host of reasons, not least of which is the threat to human health caused by viruses, such as HIV, the hepatitis B virus, papillomaviruses, measles and influenza viruses, to mention just a few. The second edition of Virology is an accessible introduction designed to enable students to understand the principles of virus structure, replication and genetics. The aim of this book is to help the reader appreciate the relevance of virology in the modern world, including the fields of vaccines, anti-viral drugs and cancer. There is also a chapter on prions. The second edition has been extensively revised and updated to reflect the many developments in virology and offers deeper insights into the

subject. Newly-discovered viruses are discussed and there is an additional chapter on the influenza virus. Highlights include: Numerous diagrams carefully developed with standard colour coding to enhance student understanding An introduction to the relevance of virology to the modern world, including the latest developments in the field An introduction to the theories behind the origins of viruses and how they are evolving, with discussion on emerging viruses Aimed at undergraduate students of biology, microbiology and biomedical sciences taking courses in virology, this is also an invaluable resource for graduate students who have previously studied little or no virology and are looking for an accessible introduction to the subject. A companion website with additional resources for instructors can be found at [www.wiley.com/college/carter](http://www.wiley.com/college/carter) and includes animations of virus replication cycles.

Dr Caroline Griffiths, Senior Lecturer in Virology and Molecular Biology, Oxford Brookes University  
--This text refers to the Hardcover edition.

It covers the subject in a logical fashion, introducing why you should care about the study of viruses, the core concepts to viruses (e.g. entry, replication, etc.), the types of viruses, and applications of how to analyze and deal with them. The book provides a number of figures and tables, which makes it easier to visualize what the book describes in regards to the virus and its activities. I recently graduated from college, studying primarily biology based topics; however, I never learned much about viruses. This is an excellent textbook, especially in connection w/ what I learned. Before reading this book; the reader should have a basic understanding of Cell Biology and Genetics (i.e. replication).

This book is not a hard cover but none the less its very light just exactly what I needed for my class.

Absolutely. Really good for if you're a first time virology student. The diction is very simple

An appropriate textbook for an introductory course in virology. Assumes a basic knowledge of biology (genetics, DNA replication, transcription, translation, etc.).

Very easy to read and very well written. If you want to know what viruses are about, this is a good book for it.

This is a highly technical book that would be good for a medical professional. It's not for someone from another field who wants to learn a bit about virology. It is a deep dive. Lots of great illustrations though.

nice book

EXCELLENT!!

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Ruminant Pestivirus Infections: Virology, Pathogenesis, and Perspectives of Prophylaxis (Archives of Virology Supplement) Fields Virology (Knipe, Fields Virology)-2 Volume Set Current Developments in Animal Virology: Papers Presented at the First Icgcb-Uci Virology Symposium New Delhi, February 1995 Virology: Principles and Applications Virology: Principles and Applications 2nd (second) Edition by Carter, John, Saunders, Venetia published by Wiley (2013) Principles of Virology: Volume 2 Pathogenesis and Control Principles of Virology, Vol. 2: Pathogenesis and Control Virus dynamics: Mathematical principles of immunology and virology Principles of Virology: 2 Vol set - Bundle Principles of Virology: Volume 1 Molecular Biology Principles of Molecular Virology, Fifth Edition Zoonoses And The Contribution Of Disease-free Pets To Human Health: A Guide to Pet Owners (Advances in Medical and Veterinary Virology, Immunology and Epidemiology) Buffalopox Orthopox and Its Zoonotic Importance (Advances in Medical and Veterinary Virology, Immunology and Epidemiology) Advances in Medical and Veterinary Virology, Immunology, and Epidemiology- Vol. 7: Tropical Viral Diseases of Large Domestic Animals- Part 1 Fenner and White's Medical Virology, 5, Fifth Edition Human Virology: A Text for Students of Medicine, Dentistry and Microbiology The Molecular Virology and Epidemiology of Influenza Veterinary Bacteriology and Virology Classical Swine Fever and Related Viral Infections (Developments in Veterinary Virology) Enzootic Bovine Leukosis and Bovine Leukemia Virus (Developments in Veterinary Virology)

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