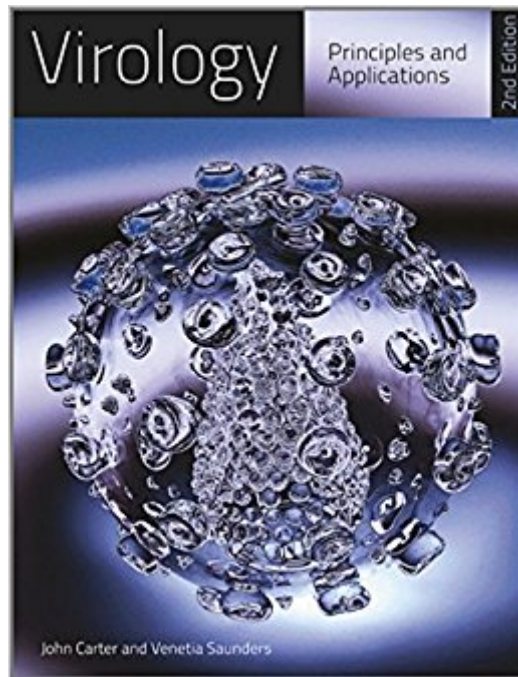


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# Virology: Principles And Applications



## 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

Paperback: 394 pages

Publisher: Wiley; 2 edition (May 6, 2013)

Language: English

ISBN-10: 1119991420

ISBN-13: 978-1119991427

Product Dimensions: 7.5 x 0.9 x 9.9 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 11 customer reviews

Best Sellers Rank: #96,873 in Books (See Top 100 in Books) #10 in [Books > Medical Books > Basic Sciences > Virology](#) #41 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Microbiology](#) #62 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Infectious Diseases](#)

## 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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