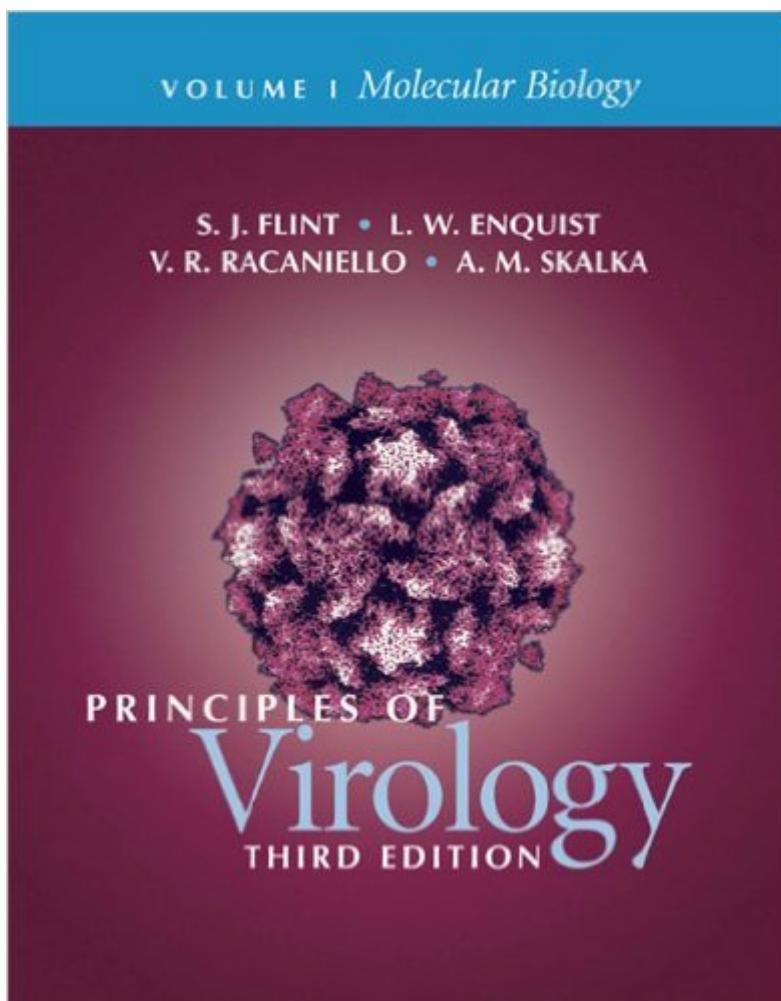


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# Principles Of Virology (2 Volume Set)



## **Synopsis**

Best-selling textbook fills the gap between introductory texts and advanced reviews of major virus families. Focuses on concepts and principles to present a comprehensive treatment from molecular biology to pathogenesis and control of viral infections. Illustrates why and how animal viruses are studied and demonstrates how the knowledge gained from such model viruses can be used to study viral systems that are still relatively unknown. Provides a thorough introduction to principles of viral pathogenesis, a broad view of viral evolution, a discussion of how viruses were discovered, and an explanation of the history of the discipline of virology.

## **Book Information**

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## **Customer Reviews**

Excellent well written books for 3rd and 4th year university students. Professor recommends and uses this volume set as a second text book. It is a must have for undergraduate molecular virology and medical virology courses.

Admittedly, I like to anthropomorphize things and the author of this book definitely does =not=. That makes things a tad more difficult to understand although more accurate than my way of thinking. The very best thing about this two volume set of books is that in addition to being presented very professionally, is that you can follow through the book with online lectures available free by the author. The book becomes a quick reference to dig into topics further that are covered in the lectures and by viewing the lectures, one can absorb the obvious enthusiasm the authors have for

their work. . . which makes you want to read the book even more. In addition to the books and the lectures, the authors also support a virology blog website. Being able to go from book to blog to lecture all within the one universe presented in these books makes an understanding, appreciate and enthusiasm for the topic much easier and certainly more inviting. It is a one-stop shop and the books form the foundation of that shop. Even as the edition becomes more dated, I would still go with these books before a newer edition of another book, because the lectures and blog are updated routinely and can supersede minor points in an edition that might be just slightly behind as it approaches its next iteration. No need to wait. These books will put you in the know and you will be -happy- about it because of the convenient connection to living lectures and blogs. As an aside, the author even answers his emails if you have questions. I don't want to hang that on him as an obligation, but I doubt you will find a more responsive author.

Very detailed specific pathways for virus pathogenicity. Order is that you learn about the types of viruses then go into specifics and pathogenicity. Basic Molecular biology is not explained well, though it should be a prerequisite for this book.

This set has proved invaluable to me as I have progressed throughout Dr. Racaniello's Virology 101 course through the Coursera MOOC Portal. I've always believed that if I can find an instructional text written by the instructor, I would have a leg up as to his/her mindset and how they teach the courses they offer. This belief has proven wise again and again. In this instance, I have found direct usage from his teaching slides, definitions, and explanations to RNA, mRNA, DNA, gene splicing, and so much more. At times he makes reference to materials in the 2nd volume in this set, but it is not a requirement for Virology 101. Volume 1 of this set is a stand-alone reference and needs no company if all that is needed is explanation as to the viral replication and transcription processes within the human body, animals, plants, and fungi.

As I was already aware of the other authors' learning materials, I chose these books as teaching aids in the preparation of lessons. I indicated to undergraduate students who are starting the study of basic Virology (Volume 1), but also for students and teachers of Virology applied (volume 2). The only weak point is that it could be accompanied with a DVD with images and supplementary reading materials.

The set is neither fish nor fowl. As a molecular biology text it is narrowly focused on the effects of

viral genes introduced into the host, but doesn't adequately address the cellular consequences and responses of these changes. The pathogenesis portions are not well done, and are often dated. As a text for upper division Virology students the set falls short.

I am not a student but somebody with a strong background in science. I am sort of a virology hobbyist. I absolutely love these 2 Volumes. May be Volume II is my personal favorite. I read "Principles of Virology" for my own entertainment and to do something like this I would say that you would have to have a pretty good background in molecular biology, immunology and genetics. But even if I was a student I think these two volumes would rate very high as a study guide. The volumes are not "overly complicated" which is key when learning about basics. Otherwise you will come away being more confused than you started out. It is not easy to put together such a straightforward book in a complicated subject matter like virology so hats off to the editors and authors of these books. I also like the illustrations. Art is a very important tool in understanding science ;^)

I bought this as it was recommended, but not required for a Coursera class titled Virology, by Prof. Vincent Racaniello. Racaniello is one of the authors. The concepts as described and conveyed in this textbook are readily comprehended by my 72 year old brain (retired Industrial Designer) with a basic but incomplete understanding of molecular biology of the cell. The illustrations and accompanying descriptions are outstanding. The book has wetted my appetite to learn more about viruses.

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