

# Viruses and Society

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*Viruses and Society* is geared towards professionals and students in college-level introductory biology courses devoted to understanding viruses, vaccines, and their global impact. The beginning of the book introduces cells, DNA, and viruses themselves. There follows a review of how the immune system works and how scientists and physicians harness the immune system to protect people through vaccines. Specific chapters will focus on the 1918 influenza pandemic, the fight to eradicate polio, the HIV/AIDS pandemic, and our current COVID-19 crisis. Additionally, the book reviews the uses of viruses in genetic engineering and in gene therapy. The book will conclude by describing public health initiatives to keep emerging viruses in check and the role of scientific communication in how viruses are perceived and have an impact on our society.


### Key Features

- The text employs approachable and simplified language
- Provides all the essential elements for understanding virus biology
- Includes details on how viruses affect individuals
- Describes the ways public health decisions are made in light of how viral pathogens spread
- Highlights up-to-date scientific findings on the features of emerging viruses that will always be with us

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