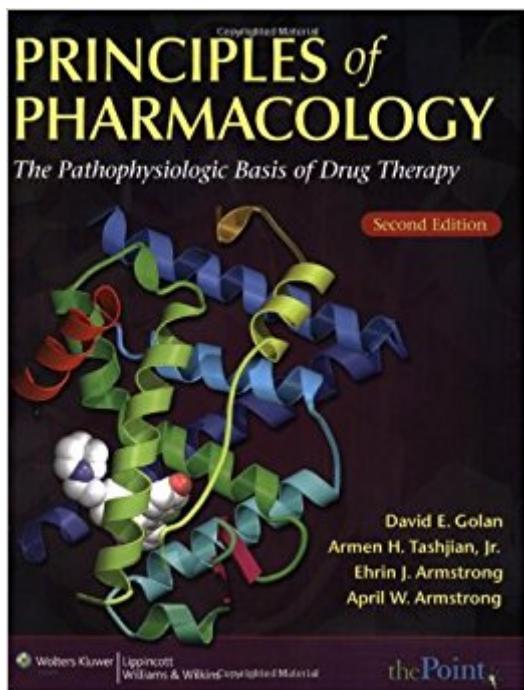


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# Principles Of Pharmacology: The Pathophysiologic Basis Of Drug Therapy, 2e



## Synopsis

This primary textbook for a first course in pharmacology offers an integrated, systems-based, and mechanism-based approach to understanding drug therapy. Each chapter focuses on a target organ system, begins with a clinical case, and incorporates cell biology, biochemistry, physiology, and pathophysiology to explain how and why different drug classes are effective for diseases in that organ system. Over 400 two-color illustrations show molecular, cellular, biochemical, and pathophysiologic processes underlying diseases and depict targets of drug therapy. Each Second Edition chapter includes a drug summary table presenting mechanism, clinical applications, adverse effects, contraindications, and therapeutic considerations. New chapters explain how drugs produce adverse effects and describe the life cycle of drug development. The fully searchable online text and an image bank are available on thePoint.

## Book Information

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## Customer Reviews

Doody's Review, Thomas L Pazdernik, PhD(University of Kansas Medical Center) -- This is a basic pharmacology textbook with an emphasis on the biochemical and cellular mechanisms required for understanding the treatment of pathophysiological conditions. This is a collaborative effort by Harvard medical faculty and students to prepare a book useful for students who are studying pharmacology as part of their curriculum. This is particularly useful for courses that focus on the biochemical, cellular, and physiological basis of drug action. The strength of this book lies in the numerous excellent figures that explain the cellular and molecular aspects of drug actions on a

physiological basis. This second edition has 100 new or extensively redesigned figures. The sections on fundamentals of drug development and regulation and frontiers in pharmacology provide a perspective not found in most fundamental pharmacology books. An access code is provided for an electronic version of the book and images. A companion case-based workbook, *Principles of Pharmacology Workbook*, by Farrell (Lippincott Williams & Wilkins, 2008), reviews important concepts and drug classes in a question-and-answer format that is valuable for course and board exam review. Four Stars. Weighted Numerical Score: 93

I find that I think more in broad terms while classifying, sorting and archiving....and what works in real life and traditional Western Medicine than technical terms but the book is great for everyone in the sciences. I wish there were more comparison charts for the drugs versus receptor charts on how the drugs work...but again, we have many different users and we can't provide all the venn diagrams needed for all the professions so feel free to create your own comparison charts. The charts at the end of each chapter are so well organized that the only focus is to classify and sort through the drug names etc...they did the work for you as a summary to each chapter.

This book can help you get a handle on important concepts in modern pharmacology. The organization is sensible and the writing/editing is above average. I must admit that Goodman & Gilman's (G&G) "The Pharmacological Basis of THERAPEUTICS" is a more comprehensive book that I plan on keeping for a long time. However, G&G can be difficult to read if you have not seen its material previously. Thus I think that this book is a highly appropriate learning tool. So if you are a professional Pharm.D. student, this book can/will help you, but you will need to master the content to a more detailed degree to succeed (get G&G 11th+ ed). That being said, this book will still benefit you greatly. Also, if you are a student or curious person whom wants to know how drugs work, this book should cover all your basic needs. This book should be all that a M.D. or R.N. student should need (specialist excluded) to make it through their training. Absolute genius students can get by without this book, but they will still have to read something. The book is quit clinically oriented and covers most of the first-line therapeutics with examples. It does not provide much medicinal chemistry (not this books job anyway). The end of chapter drug summaries are helpful. One of my personal favorite properties of the book is that it errs on the side of redundancy, if two concepts are intimately connected in different chapters, without being verbose (like me). This book does not cover pharmacokinetics past what is clinically relevant (no math to speak of), unless the kinetics of the drug are highly important in predicting its pharmacodynamics. I have not used the book's online

resources. The one thing I must restate is this: this book is not an exhaustive authority on all things pharmacological, but is a helpful learning tool to get up to speed for clinical practice in typical situations. I consistently use this book as a helpful tool as a Ph.D. candidate pursuing a dual specialization in pharmacology and toxicology. I purchased the book through .

Fast shipping and good value textbook for my class.

The second edition is usually better than the first one, and the first one was simply excellent! A great book, with a problem-based learning approach in mind, updated and with many new and important chapters (Protein Therapies, Drug Delivery Advances, Pharmacogenetics, among others). The good thing with this book is that any chapter deals with the necessary coverage of anatomy, physiology, pathology and so on before coming to the drugs facts. With the early med student in mind, the book will be useful for any health related career. The book is clear, is concise -notwithstanding comprehensive-, and with a complete set of drug facts tables at the end of most chapters. Simply said, the kind of book I'd liked to write myself. One more thing: The book is brilliantly complemented by its companion book, "Principles of Pharmacology Workbook", by S. Farrell, a great account of more than 100 clinical cases regarding each chapter of the main book, with no less than five questions -and their corresponding answers- for every one of the cases. The ideal complement to make this couple of books the best pharmacology books in the scene today. I work very actively with both of them in teaching my own pharmacology courses.

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Really impressed - great book, great price. Incredibly fast shipping. Highly recommend.

Bought used but came in great condition. Subject matter wise, it's fantastic.

Love browsing through it. Heavy text book (not just in topic but in weight.. lol) but worth every penny! I am learning a lot and I am not actually a student. :)

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