An Introduction To Drugs And The Neuroscience Of Behavior Explore Our New Psychology 1st Editions

Why do many athletes risk their careers by taking performance-enhancing drugs? Do the highly competitive pressures of elite sports teach athletes to win at any cost? An Introduction to Drugs in Sport provides a detailed and systematic examination of drug use in sport and attempts to explain why athletes have, over the last four decades, increasingly used performance-enhancing drugs. It offers a critical overview of the major theories of drug use in sport, and provides a detailed analysis of the involvement of sports physicians in the development and use of performance-enhancing drugs. Focusing on drug use within elite sport, the book offers an in-depth examination of important contemporary themes and issues, including: the history of drugs in sport and changing patterns of use fair play, cheating and the 'spirit of sport' WADA and the future of anti-doping policy drug use in professional football and cycling sociological enquiry and the problems of researching drugs in sport. Designed to help students explore and understand this problematic area of research in sport studies, and richly illustrated throughout with case studies and empirical data, An Introduction to Drugs in Sport is an invaluable addition to the literature. It is essential reading for anybody with an interest in the relationship between drugs, sport and society.

This accessible, comprehensive book provides the reader with a thorough introduction to the field of behavioral pharmacology and prepares one to analyze drug information from a variety of sources. The text describes the effects of drugs on behavior, facilitating an understanding of both the actions of drugs and the way people use them. Starting with an overview of basic pharmacology, the book is divided by chapter into each class of drugs, and explains the historical and social contexts of each. It covers alcohol, tranquilizers and sedative hypnotics, inhaled substances, tobacco and nicotine, caffiene and the methylxanthines, psychomotor stimulants, the opiates, antipsychotic drugs, antidepressants and mood stimulators, cannabis, and hallucinogens. For those working in the fields of behavioral psychology, psychopharmacology, and pharmacists, doctors, nurses, and others in the medical profession.

Human Drug Metabolism, An Introduction, Second Edition provides an accessible introduction to the subject and will be particularly invaluable to those who already have some understanding of the life sciences. Completely revised and updated throughout, the new edition focuses only on essential chemical detail and includes patient case histories to illustrate the clinical consequences of changes in drug metabolism and its impact on patient welfare. After underlining the relationship between efficacy, toxicity and drug concentration, the book then considers how metabolizing systems operate and how they impact upon drug concentration, both under drug pressure and during inhibition. Factors affecting drug metabolism, such as genetic polymorphisms, age and diet are discussed and how metabolism can lead to toxicity is explained. The book concludes with the role of drug metabolism in the commercial development of therapeutic agents as well as the pharmacology of some illicit drugs.

Drugs, Addiction, and the Brain explores the molecular, cellular, and neurocircuitry systems in the brain that are responsible for drug addiction. Common neurobiological elements are emphasized that provide novel insights into how the brain mediates the acute rewarding effects of drugs of abuse and how it changes during the transition from initial drug use to compulsive drug use and addiction. The book provides a detailed overview of the pathophysiology of the disease. The information provided will be useful for neuroscientists in the field of addiction, drug abuse treatment providers, and undergraduate and postgraduate students who are interested in learning the diverse effects of drugs of abuse on the brain. Full-color circuitry diagrams of brain regions implicated in each stage of the addiction cycle Actual data figures from original sources illustrating key concepts and findings Introduction to basic neuropharmacology terms and concepts Introduction to numerous animal models used to study diverse aspects of drug use. Thorough review of extant work on the neurobiology of addiction

New Drug Development: Second Edition provides an overview of the design concepts and statistical practices involved in therapeutic drug development. This wide spectrum of activities begins with identifying a potentially useful drug candidate that can perhaps be used in the treatment or prevention of a condition of clinical concern, and ends with marketing approval being granted by one or more regulatory agencies. In between, it includes drug molecule optimization, nonclinical and clinical evaluations of the drug's safety and efficacy profiles, and manufacturing considerations. The more inclusive term lifecycle drug development can be used to encompass the postmarketing surveillance that is conducted all the time that a drug is on the market and being prescribed to patients with the relevant clinical condition. Information gathered during this time can be used to modify the drug (for example, dose prescribed, formulation, and mode of administration) in terms of its safety and its effectiveness. The central focus of the first edition of this book is captured by its subtitle, 'Design, Methodology, and Analysis'. Optimum quality study design and experimental research methodology must be employed if the data collected—numerical representations of biological information—are to be of optimum quality. Optimum quality data facilitate optimum quality statistical analysis and interpretation of the results obtained, which in turn permit optimum quality decisions to be made: Rational decision making is predicated on appropriate research questions and optimum quality numerical information. The book took a non-computational approach to statistics, presenting instead a conceptual framework and providing readers with a sound working knowledge of the importance of design, methodology, and analysis. Not everyone needs to be an expert in statistical analysis, but it is very helpful for work (or aspire to work) in the pharmaceutical and biologics industries to be aware of the fundamental importance of a sound scientific and clinical approach to the planning, conduct, and analysis of clinical trials.

Emerging illicit drugs pose a significant clinical challenge. This handbook offers an engaging, concise guide to managing these challenges.

Understanding Drug Action: An Introduction to Pharmacology provides readers with a survey of the scientific understanding of drug action. This readable introduction to pharmacology is simple enough to be understood without having to take a class to follow the material, but can also be used to complement a course in pharmacology. The approach to pharmacology is at a basic scientific level to build a framework of how drugs work supplemented with information on some representative drugs that are used clinically. Each chapter includes review questions and many chapters include tables of important drugs with brand and generic names.

This work brigdges the compartmentalized undergraduate organic and biochemistry and biology subjects to the pharmacology and the clinical areas a modern pharmacy practice requires. The changes and constantly increasing responsibilities of today's pharmacist have dictated a restructuring of the pharmacy curriculum, including individual course content. This book reflects and addresses these developments.

This is a well-written work that covers most major areas of pharmaceutical research. The text is presented in a logical and concise fashion being divided into chapters based upon therapeutic topic. This makes the work very useful for teaching a course in medicinal chemistry since therapeutic areas can be separately covered without having to make use of the entire book which overall contains a tremendous amount of information. This book is a significant contribution to understanding what medicinal chemistry is and how this science is used to develop new therapeutic agents.

In its decades-long effort to assure the safety, efficacy, and security of medicines and other products, the Food and Drug Administration has struggled with issues of funding, proper associations with industry, and the balance between consumer choice and consumer protection. Today, these challenges are compounded by the pressures of globalization, the introduction of novel technologies, and fast-evolving threats to public health. With essays by leading scholars and government and private-industry experts, FDA

in the Twenty-First Century addresses perennial and new problems and the improvements the agency can make to better serve the public good. The collection features essays on effective regulation in an era of globalization, consumer empowerment, and comparative effectiveness, as well as questions of data transparency, conflicts of interest, industry responsibility, and innovation policy, all with an emphasis on pharmaceuticals. The book also intervenes in the debate over off-label drug marketing and the proper role of the FDA before and after a drug goes on the market. Dealing honestly and thoroughly with the FDA's successes and failures, these essays rethink the structure, function, and future of the agency and the effect policy innovations may have on regulatory institutions abroad.

Signers teach ASL signs associated with drug use with printed English glossary shown.

The twentieth century saw a remarkable upsurge of research on drugs, with major advances in the treatment of bacterial and viral infections, heart disease, stomach ulcers, cancer, and metal illnesses. These, along with the introduction of the oral contraceptive, have altered all of our lives. There has also been an increase in the recreational use and abuse of drugs in the Western world. This Very Short Introduction, in its second edition, gives a non-technical account of how drugs work in the body. Reviewing both legal (alcohol, nicotine, and caffeine) and illegal drugs, Les Iversen disscusses why some are addictive, and whether drug laws need reform. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Although the scientific literature on drug metabolism is extensive, it suffers from the disadvantage that the material is diffuse and consists largely of specialist monographs dealing with particular aspects of the subject. In addi tion, although there are a few excellent texts on drug metabolism in print, these tend to be earlier publications and hence do not take into account the many recent advances in this area. Our motivations for writing this book therefore arose from the clear need for a recent and cohesive introductory text on this subject, specifically designed to cater for the needs of undergraduate and postgraduate students. Much of the subject matter in this text is derived from various courses on drug metabolism given at the University of Surrey and the University of Glasgow to basic science students in pharmacology, biochemistry, nutrition and nursing studies, to pre-clinical medical students and to under graduate and post-graduate students in toxicology. Therefore, it is our inten tion that this text will serve as a primer in drug metabolism to a variety of students in the life sciences taking courses in this subject. The term 'drug metabolism' in its broadest sense may be considered as the absorption, distribution, biotransformation and excretion of drugs. To cover all these facets of drug metabolism in a single text is a voluminous task and therefore we have focused primarily on the biotransformation aspects of the subject.

The Drug Effect: Health, Crime and Society offers new perspectives on critical debates in the field of alcohol and other drug use. Drawing together work by respected scholars in Australia, the US, the UK and Canada, it explores social and cultural meanings of drug use and analyses law enforcement and public health frameworks and objectives related to drug policy and service provision. In doing so, it addresses key questions of drug use and addiction through interdisciplinary, predominantly sociological and criminological, perspectives, mapping and building on recent conceptual and empirical advances in the field. These include questions of materiality and agency, the social constitution of disease and neo-liberal subjectivity and responsibility. This book provides a fresh scholarly perspective on drug use and addiction by collecting top quality original work, written by a mix of international leaders in the field and emerging scholars working at the cutting edge of research.

5 Stars! from Doody's Book Reviews! (of the 13th Edition) "This edition continues to raise the bar for books on drug use and abuse. The presentation of the material is straightforward and comprehensive, but not off putting or complicated." As a long-standing, reliable resource Drugs & Society, Fourteenth Edition continues to captivate and inform students by taking a multidisciplinary approach to the impact of drug use and abuse on the lives of average individuals. The authors have integrated their expertise in the fields of drug abuse, pharmacology, and sociology with their extensive experiences in research, treatment, drug policy making, and drug policy implementation to create an edition that speaks directly to students on the medical, emotional, and social damage drug use can cause.

The Book Entitled, An Introduction To Drug Design Aims To Optimize The Discovery Of Drugs At A Low Cost And On Occasions To Change Their Pharmacokinetic And Pharmacodyanamic Properties. The Introductory Chapter Which Forms The Basis Of Drug Discovery Is Followed By The Present-Day Thinking Regarding The Best Approaches To Drug Discovery Are Considered. Similarly, There Have Been Major Advances In The Employment Of Computers In Structure-Activity Analysis, And A Discussion Of The State Of The Art In This Area Is Also Included.The Chapter On Qsar Highlights The Role Of Physico-Chemical Parameters In Predicting The Future Course Of Drug Discovery With Rational Drug Design. The Role Of Enzymes In Drug Action Is Well Established, And A Chapter On Design Of Enzyme Inhibitors Is Well Documented. In Addition, The Increased Understanding Of The Design And Utilisation Of Prodrugs Has Led To A Discussion Of The Relevant Issues In This Text.Thus The Book Will Fill The Need Of A Text For Designing New Drugs And The Principles Of New Drug Discovery.

In An Introduction to Drugs and the Neuroscience of Behavior: An Introduction to Psychopharmacology Second Edition, Adam Prus offers an introduction to the field of psychopharmacology from the perspective of how drug actions in the brain affect psychological processes. Prus approaches this rapidly advancing field by providing an introduction to major topics in psychopharmacology. In addition to the major drug classes in psychopharmacology, this book addresses newer drugs and recent trends in drug use. It also provides important background and historical information to help students appreciate the development of drug treatments and neuroscience understandings over time.

Key pedagogical tools put this text at the forefront of the latest scholarship of teaching and learning. "Stop & Check" questions conclude each section in every chapter to allow students to self-assess their understanding of main points covered in the previous section. "Review!" sections include important reminders of facts or concepts covered in previous chapters to help students integrate the diverse material covered in this text. Also, each chapter ends with a section called "From Actions to Effects" which brings together information presented in the chapter, providing a way to assemble multiple topics for addressing a single concept.

An Introduction to Drug Synthesis explores the central role played by organic synthesis in the process of drug design and development - from the generation of novel drug structures to the improved efficiency of large scale synthesis.

It has been more than twenty years since President Nixon declared the War on Drugs. In On Drugs, David Lenson delivers a scathing indictment of this war as an effort based, like all attempts to eradicate "getting high," on an incomplete understanding of human nature. From lotus-eaters to hippies to crackheads, he contends, history has shown the state's inability to legislate the bloodstreams of its citizens. Lenson ventures beyond conventional genres to view the drug debate from the largely forgotten perspective of those who use drugs. In successfully walking the fine line between the antidrug hysteria of the 1980s and an advocacy of drug use, Lenson shatters the ban on debate regarding drugs enforced in the "Just Say No" campaign and reveals the myriad ways "straight society" demonizes the drug user. After considering several specific issues associated with drug use - including sex, violence, and money - Lenson concludes with his vision of the end of the Drug War by questioning the sense in condemning millions of Americans to lives of concealment and deceit.

Why are some psychoactive substances regarded as ‘dangerous drugs’, to be controlled by the criminal law within a global prohibition regime, whilst others – from alcohol and tobacco, through to those we call ‘medicines’ – are seen and regulated very differently? A History of Drugs traces a genealogy of the construction and governance of the ‘drug problem’ over the past 200 years, calling into question some of the most fundamental ideas in this field: from ‘addiction’ to the very concept of ‘drugs’. At the heart of the book is the claim that it was with the emergence in the late eighteenth century of modern liberal capitalism, with its distinctive emphasis on freedom, that our concerns about the consumption of some of these substances began to grow. And, indeed, notions of freedom, free will and responsibility remain central to the drug question today. Pursuing an innovative inter-disciplinary approach, A History of Drugs provides an informed and insightful account of the origins of contemporary drug policy. It will be essential reading for students and academics working in law, criminology, sociology, social policy, history and political science.

Packed with the latest data and research, the powerful new DRUG USE AND ABUSE: A COMPREHENSIVE INTRODUCTION, 8e delivers a thorough, interdisciplinary survey of all aspects of drug and alcohol abuse. The text draws from the many disciplines of history, law, pharmacology, political science, social work, counseling, psychology, sociology, and criminal justice--resulting in the most comprehensive, authoritative single source available. It explores the history of drugs, their impact on society, the pharmacological impact of drugs on the body, drug policy implications, the criminal justice system response, the drug business, law enforcement, theories of use, as well as the effects, treatment, and prevention of abuse. New coverage includes nonmedical use of prescription drugs, synthetic substances, the use of stimulants to treat PTSD and ADD, medical marijuana, the connection between drug trafficking and terrorism, and an updated analysis of the United States drug policy. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"The book takes the reader from basic concepts to a point where those who wish to will be able to perform pharmacokinetic calculations and be ready to read more advanced texts and research papers"--

Advances in knowledge and technology have revolutionized the process of drug development, making it possible to design drugs for a given target or disease. Building on the foundation laid by the previous three editions, Smith and Williams Introduction to the Principles of Drug Design and Action, Fourth Edition includes the latest informatio

Sets out clear recommendations, based on the best available evidence, for healthcare staff on how to work with people who misuse drugs (specifically opioids, stimulants and cannabis) to significantly improve their treatment and care.

ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- An up-to-date overview of behavioral pharmacology. Drugs & Behavior starts with descriptions of basic pharmacological concepts of drug administration and pharmacokinetics, research methodology including clinical trials, tolerance and withdrawal, drug conditioning, addiction processes, and the neuroscience of drug action. Each chapter applies these concepts to different classes of recreational and therapeutic drugs. Each chapter also includes a section on the history of the drug class being described to place the drugs in their historical and social context. The text is written to be understandable to students without a background in pharmacology, neuroscience, or psychology. Learning Goals Upon

completing this book, readers should be able to: Understand the behaviors of people who use drugs as medicine and for recreation Understand new trends and developments in pharmacology Identify the subjective, behavioral, and neurological differences between the use of both classes of drug Note: MySearchLab does not come automatically packaged with this text. To purchase MySearchLab, please visit: www.mysearchlab.com or you can purchase a ValuePack of the text + MySearchLab (at no additional cost): ValuePack ISBN-10: 0205900909.

Drug Utilization Research (DUR) is an eclectic scientific discipline, integrating descriptive and analytical methods for the quantification, understanding and evaluation of the processes of prescribing, dispensing and consumption of medicines and for the testing of interventions to enhance the quality of these processes. The discipline is closely related and linked mainly to the broader field of pharmacoepidemiology, but also to health outcomes research, pharmacovigilance and health economics. Drug Utilization Research is a unique, practical guide to the assessment and evaluation of prescribing practices and to interventions to improve the use of medicines in populations. Edited by an international expert team from the International Society for Pharmacoepidemiology (ISPE), DUR is the only title to cover both the methodology and applications of drug utilization research and covers areas such as health policy, specific populations, therapeutics and adherence.

This book examines the history of popular drug cultures and mediated drug education, and the ways in which new media - including social networking and video file-sharing sites - transform the symbolic framework in which drugs and drug culture are represented. Tracing the emergence of formal drug regulation in both the US and the United Kingdom from the late nineteenth century, it argues that mass communication technologies were intimately connected to these "control regimes" from the very beginning. Manning includes original archive research revealing official fears about the use of such mass communication technologies in Britain. The second half of the book assesses on-line popular drug culture, considering the impact, the problematic attempts by drug agencies in the US and the United Kingdom to harness new media, and the implications of the emergence of many thousands of unofficial drug-related sites.

The development of new drugs is very complex, costly and risky. Its success is highly dependent on an intense collaboration and interaction between many departments within the drug development organization, external investigators and service providers, in constant dialogue with regulatory authorities, payers, academic experts, clinicians and patient organizations. Within the different phases of the drug life cycle, drug development is by far the most crucial part for the initial and continued success of a drug on the market. This book offers an introduction to the field of drug development with a clear overview of the different processes that lead to a successful new medicine and of the regulatory pathways that are used to launch a new drug that are both safe and efficacious. "This is the most comprehensive and detailed book on drug development I have ever read and I feel that it is likely to become a staple of drug development courses, such as those taught at Masters Level in my own University.... I think in the light of increasing integration of company and academic approaches to drug development both sides can read this book... (and, therefore)... this book could not be more timely." —Professor Mike Coleman, University of Aston, UK (from his review of the final manuscript)

Updated to include the latest data and research, Abadinsky's DRUG USE AND ABUSE: A COMPREHENSIVE INTRODUCTION, 9th Edition, delivers a thorough, interdisciplinary examination of all aspects of drug and alcohol use and misuse. The text draws from the disciplines of history, law, pharmacology, political science, social work, counseling, psychology, sociology, and criminal justice -- resulting in the most comprehensive, authoritative single source available. The author explores the history of drugs, their impact on society, the pharmacological impact of drugs on the body, drug policy implications, the criminal justice system response, the illegal drug business, law enforcement, and theories of use, as well as the effects, treatment, and prevention of abuse. Other topics include the nonmedical use of prescription drugs, synthetic substances, the use of stimulants to treat PTSD and ADD, the pharmacology and controversies surrounding marijuana, and United States and global drug policy. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Introduction to the Principles of Drug Design provides a framework of fundamental drug design and principles into which drugs following on developments may be fitted. This book presents the rationales behind the design of drugs. Organized into nine chapters, this book begins with an overview of how the body handles a drug in terms of absorption, metabolism, distribution, and excretion. This text then examines the critical drug activity at the receptor site, which is usually related to blood and other distribution fluid levels. Other chapters consider the factors involved in binding a drug, metabolite, or substrate to a receptor. The final chapter deals with the design of chemotherapeutic agent for clinical use in the treatment of human infections. This book is intended for use in undergraduate pharmacy courses in medicinal chemistry and as an aid in similar courses in biochemistry and pharmacology. Graduates in chemistry just entering the pharmaceutical industry will also find this book useful.

Debunks many myths about how psychiatric drugs work and how useful they are. Informative, practical and at times, uncomfortable reading.

The up-to-date Second Edition presents an accessible introduction to the rapidly advancing field of psychopharmacology through an examination of how drug actions in the brain affect psychological processes. To help readers develop an appreciation of the development of drug treatments and neuroscience over time, the book provides historical background, covering major topics in psychopharmacology, including discussion on newer drugs and recent trends in drug use. Pedagogical features at the forefront of the latest scholarship of teaching and learning are integrated throughout the text to ensure readers are able to easily process and understand the material.

Building on the success of the previous editions, Textbook of Drug Design and Discovery has been thoroughly revised and updated to provide a complete source of information on all facets of drug design and discovery for students of chemistry, pharmacy, pharmacology, biochemistry, and medicine. The book follows drug design from the initial lead identification through optimization and structure-activity relationship with reference to the final processes of clinical evaluation and registration. Chapters investigate the design of enzyme inhibitors and drugs for particular cellular targets such as ion channels and receptors, and also explore specific classes of drug such as peptidomimetics, antivirals and anticancer agents. The use of gene technology in pharmaceutical research, computer modeling techniques, and combinatorial approaches are also included.

Drawing on anthropology, historical sociology and social-epidemiology, this multidisciplinary book investigates how pharmaceuticals are produced, distributed, prescribed, (and)

consumed, and regulated in order to construct a comprehensive understanding of the issues that drive (medicine) pharmaceutical markets in the Global South today. Based on primary research conducted in Benin and Ghana, and additional data collected in Cambodia and the Ivory Coast, this volume uses artemisinin-based combination therapies (ACTs) against malaria as a central case study. It highlights the influence of the countries colonial and post-colonial history on their models for state regulation, production, and distribution, explores the determining role transnational actors as well as industries from the North but also and increasingly from the South play in influencing local pharmaceutical markets and looks at the behaviour of health care professionals and individuals. Stepping back, the authors then unpick the pharmaceuticalization process and the multiple regulations at stake by looking at the workings of, and linkages between, (biomedical health) pharmaceutical systems, (representatives of companies) industries, actors in private distribution, and consumer practices. Providing a thorough comparative analysis of the advantages and disadvantages of different pharmaceutical systems, it is an important contribution to the literature on pharmaceutalization and the governance of medication. It is of interest to students, researchers and policy-makers interested in medical anthropology, the sociology of health and illness, global health, healthcare management and pharmacy.

Introduction to Biological and Small Molecule Drug Research and Development provides, for the first time, an introduction to the science behind successful pharmaceutical research and development programs. The book explains basic principles, then compares and contrasts approaches to both biopharmaceuticals (proteins) and small molecule drugs, presenting an overview of the business and management issues of these approaches. The latter part of the book provides carefully selected real-life case studies illustrating how the theory presented in the first part of the book is actually put into practice. Studies include Herceptin/T-DM1, erythropoietin (Epogen/Eprex/NeoRecormon), anti-HIV protease inhibitor Darunavir, and more. Introduction to Biological and Small Molecule Drug Research and Development is intended for late-stage undergraduates or postgraduates studying chemistry (at the biology interface), biochemistry, medicine, pharmacy, medicine, or allied subjects. The book is also useful in a wide variety of science degree courses, in post-graduate taught material (Masters and PhD), and as basic background reading for scientists in the pharmaceutical industry. For the first time, the fundamental scientific principles of biopharmaceuticals and small molecule chemotherapeutics are discussed side-by-side at a basic level Edited by three senior scientists with over 100 years of experience in drug research who have compiled the best scientific comparison of small molecule and biopharmaceuticals approaches to new drugs Illustrated with key examples of important drugs that exemplify the basic principles of pharmaceutical drug research and development

"Comprehensive yet manageable, Mind, Brain, and Drug: An Introduction to Psychopharmacology serves as an excellent guide for students to this increasingly important field."--Jacket.

Does Ecstasy cause brain damage? Why is crack more addictive than cocaine? What questions regarding drugs are legal to ask in a job interview? When does marijuana possession carry a greater prison sentence than murder? Illegal Drugs is the first comprehensive reference to offer timely, pertinent information on every drug currently prohibited by law in the United States. It includes their histories, chemical properties and effects, medical uses and recreational abuses, and associated health problems, as well as addiction and treatment information. Additional survey chapters discuss general and historical information on illegal drug use, the effect of drugs on the brain, the war on drugs, drugs in the workplace, the economy and culture of illegal drugs, and information on thirty-three psychoactive drugs that are legal in the United States, from caffeine, alcohol and tobacco to betel nuts and kava kava.

Administer drugs safely and prevent drug errors with accurate, up-to-date drug information! Concise and easy to understand, Introduction to Pharmacology, 12th Edition provides drug monographs with key information such as generic and trade names, indications, common adverse effects, and typical adult and pediatric dosages. Drug entries are organized by classification, and include the newest FDA-approved drugs. Coverage of special situations highlights the unique issues of drug therapy in children, pregnant and nursing women, and older adults. To provide a solid foundation for safe practice, authors Mary Asperheim Favaro and Justin Favaro also address the principles of pharmacology and the basic math needed to calculate drug dosages. Straightforward, easy-to-digest drug monographs focus on essential information including drug names (both generic and trade), need-to-know drug information, and typical drug dosages. Math review refreshes your knowledge of basic math and provides practice in drug dosage calculation. Considerations boxes highlight the unique safety issues of drug therapy in children, pregnant and nursing women, and older adults. Clinical Implications in each chapter relate drug content to safe and effective drug administration and patient teaching. Herb Alert boxes highlight herb-drug interactions and contraindications for the safety of patients relying on complementary and alternative therapies. Critical Thinking Questions in most chapters let you apply concepts to realistic clinical situations and issues. Review Questions at the end of each chapter help you assess your mastery of the material, with answers in the back of the book. UNIQUE! Drug Therapy in Women chapter addresses the special considerations of drug therapy in women. UNIQUE! Molecular and Targeted Therapies chapter covers emerging drugs that are aimed at specific tissues, genes, and target organs. Updated drug information keeps you current with the most recent FDA drug approvals and withdrawals, as well as changes in indications, therapeutic uses and warnings. NEW Drug Therapy in Children chapter discusses drug therapy for ADHD, immunizations, and allergies. NEW Interactions chapter covers drug-drug, drug-herb, drug-food, and drug-condition interactions, along with drug toxicity. Expanded content on drug therapy in women addresses chronic fatigue syndrome, postpartum depression, drug safety during pregnancy and lactation, migraine preventative therapy, menstrual abnormalities, and menopause.