

Research Methods White Mcburney 9th Edition

Now in its 9th Edition, RESEARCH METHODS provides psychology students with a scientific approach to understanding their field of study and the world in general. The text's logical, step-by-step coverage is the result of decades of author experience. It includes all of the stages of the research process, from selecting the project and searching for literature, to choosing a protocol and getting published. Utilizing a wide variety of problems from psychological literature, RESEARCH METHODS also illustrates the many creative ways that psychology professionals design and conduct effective research. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Featuring brilliant art, engaging new case studies, and dynamic new teaching and learning resources, this 9th edition of Porth's Pathophysiology: Concepts of Altered Health States is captivating, accessible, and student-friendly while retaining the comprehensive, nursing-focused coverage that has made it a market leader. The book's unique emphasis on "concepts" of altered health states, as opposed to factual descriptions of diseases and disorders, helps students grasp both the physical and psychological aspects of altered health. Drawing on the expertise of new co-author Sheila Grossman, the Ninth Edition maintains its comprehensive depth, while paring down content where appropriate and replacing descriptive content with striking art. (Approximately 600 illustrations are new or have been re-rendered in a consistent modern style.) Also new to this edition are advanced 3D narrated animations that address the most clinically relevant and difficult to understand disorders, engaging unit-opening case studies that reinforce critical thinking and set the tone for the content to come, and a wide range of built-in study tools. Now, for the first time, Porth's Pathophysiology is supported by PrepU, an adaptive learning system that help students learn more, while giving instructors the data they need to monitor each student's progress, strengths, and weaknesses.

ESSENTIALS OF PSYCHOLOGY: CONCEPTS AND APPLICATIONS, 5th Edition retains the hallmark features and pedagogical aids that have made this text unique in presenting the foundations of psychology in a manageable, reader-friendly format. Students gain a broad view of psychology and see applications of the knowledge gained from contemporary research to the problems and challenges we face in today's world. Nevid's comprehensive learning system, derived from research on memory, learning, and textbook pedagogy, is featured throughout. This model incorporates the Four E's of Effective Learning -- Engaging Student Interest, Encoding Information, Elaborating Meaning, and Evaluating Progress. Thoroughly updated with recent research developments, this edition also features an expanded focus on psychology in the digital world -- a topic students are sure to find fascinating and relevant. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This volume presents a collection of articles selected from Teaching of Psychology, sponsored by APA Division 2. It contains the collective experience of teachers who have successfully dealt with students' statistics anxiety, resistance to conducting literature reviews, and related problems. For those who teach statistics or research methods courses to undergraduate or graduate students

in psychology, education, and the social sciences, this book provides many innovative strategies for teaching a variety of methodological concepts and procedures in statistics and research methods courses.

Research Methods Cengage Learning

Print+CourseSmart

RESEARCH METHODOLOGY CONCEPT AND CASES provides a comprehensive and stepwise understanding of the research process with a balanced blend of theory, techniques and Indian illustrations from a wide cross-section of business areas. This book makes no presumptions and can be used with confidence and conviction by both students and experienced managers who need to make business sense of the data and information that is culled out through research groups. The conceptual base has been provided in comprehensive, yet simplistic detail, addressing even the minutest explanations required by the reader. The language maintains a careful balance between technical know-how and business jargon. Every chapter is profusely illustrated with business problems related to all domains—marketing, finance, human resource and operations. Thus, no matter what the interest area may be, the universal and adaptable nature of the research process is concisely demonstrated.

Students and staff from KCL's Social Sciences BA programme turn the research lens back on their own world and together explore the many challenges of 'trying to do things differently' in Higher Education. In doing so, they grapple with fundamental questions in education such as: how to meaningfully foreground democracy, partnership, and emotional care; the role and limits of free speech; and how to deconstruct enduring inequality and marginalisation. In a period of considerable change and challenge for education, there is surely no better time to be critically analysing the principles guiding our universities through the lens of real-life practice. "In a period when university arrangements are being rethought in the wake of COVID-19 and the resurgence of Black Lives Matter, this compelling text is both timely and forward looking. 'We're trying to do things differently' successfully brings together first year undergraduates and lecturers to research, analyse and document how students and staff co-create meaningful educational experiences. The authors offer a nuanced picture of the centrality of relationships and recognition to the degree course. It shows how the students foreground love, kindness and social justice, rather than curriculum and outcomes, while being alert to the politics of difference and absence in higher education classrooms. The book draws on well-worn and innovative writing styles to produce analyses and arguments that are eye-opening, persuasive and raise difficult questions for future educational practices. This book is a must for anyone interested in championing excellence and social justice in higher education." Ann Phoenix, Professor of Psychosocial Studies, UCL Institute of Education "This is a book with a difference. It is based on critical scholarship and draws on reflexive analysis but – and this is the important and unique part - it is a book written mainly by university students about how to enact meaningful relationships in the academy. It takes as its substantive focus one new undergraduate programme but the agenda is about change, social justice and the hard work of real inclusion. This book stands as a wake-up call to all of us who care deeply about socially just education and democracy in our institutions of higher education. It is also a wonderful example of how to write something that really matters!" - Meg Maguire, Professor of Sociology of Education, King's

College London

An introduction to research in education text, this book helps students to master the basic competencies necessary to understand and evaluate the research of others, and shows them how to plan and conduct original research.

Widely praised, ARGUMENTATION AND DEBATE, 13E, uses a clear, concise, and engaging presentation that makes even complex material easy for students to understand. The authors have adapted the text over the years to match changing practices in debate and teaching while preserving classical and conventional approaches to learning debate. This edition retains its rhetorical roots with a flexible tone open to a diverse array of debate styles that is appropriate in the contemporary context. It values the importance of inclusion and sensitivity to differences of culture, gender, orientation, class and other factors as they impact communicative choices and argumentation. The authors have a preference for team topic evidence-based policy debate; however, the text strives to offer viable tools for a wide range of readers interested in improving their critical thinking for reasoned decision making. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Principles and Concepts of Behavioral Medicine A Global Handbook Edwin B. Fisher, Linda D. Cameron, Alan J. Christensen, Ulrike Ehler, Brian Oldenburg, Frank J. Snoek and Yan Guo This definitive handbook brings together an international array of experts to present the broad, cells-to-society perspectives of behavioral medicine that complement conventional models of health, health care, and prevention. In addition to applications to assessment, diagnosis, intervention, and management, contributors offer innovative prevention and health promotion strategies informed by current knowledge of the mechanisms and pathways of behavior change. Its range of conceptual and practical topics illustrates the central role of behavior in health at the individual, family, community, and population levels, and its increasing importance to person-centered care. The broad perspectives on risk (e.g., stress, lifestyle), management issues (e.g., adherence, social support), and overarching concerns (e.g., inequities, health policy) makes this reference uniquely global as it addresses the following core areas:

- The range of relationships and pathways between behavior and health.
- Knowing in behavioral medicine; epistemic foundations.
- Key influences on behavior and the relationships among behavior, health, and illness.
- Approaches to changing behavior related to health.
- Key areas of application in prevention and disease management.
- Interventions to improve quality of life.
- The contexts of behavioral medicine science and practice.

Principles and Concepts of Behavioral Medicine opens out the contemporary world of behavior and health to enhance the work of behavioral medicine specialists, health psychologists, public health professionals and policymakers, as well as physicians, nurses, social workers and those in many other fields of health practice around the world.

Preparing students for successful NCLEX results and strong futures as nurses in today's world. Now in its 12th edition, Brunner and Suddarth's Textbook of Medical-Surgical Nursing is designed to assist nurses in preparing for their roles and responsibilities in the medical-surgical setting and for success on the NCLEX. In the latest edition, the resource suite is complete with a robust set of premium and included ancillaries such as simulation support, adaptive testing, and a variety of digital resources helping prepare

today's students for success. This leading textbook focuses on physiological, pathophysiological, and psychosocial concepts as they relate to nursing care. Brunner is known for its strong Nursing Process focus and its readability. This edition retains these strengths and incorporates enhanced visual appeal and better portability for students. Online Tutoring powered by Smarthinking--Free online tutoring, powered by Smarthinking, gives students access to expert nursing and allied health science educators whose mission, like yours, is to achieve success. Students can access live tutoring support, critiques of written work, and other valuable tools.

The acceptance and preference of the sensory properties of foods are among the most important criteria determining food choice. Sensory perception and our response to food products, and finally food choice itself, are affected by a myriad of intrinsic and extrinsic factors. The pressing question is, how do these factors specifically affect our acceptance and preference for foods, both in and of themselves, and in combination in various contexts, both fundamental and applied? In addition, which factors overall play the largest role in how we perceive and behave towards food in daily life? Finally, how can these factors be utilized to affect our preferences and final acceptance of real food and food products from industrial production and beyond for healthier eating? A closer look at trends in research showcasing the influence that these factors and our senses have on our perception and affective response to food products and our food choices is timely. Thus, in this Special Issue collection "Consumer Preferences and Acceptance of Food Products", we bring together articles which encompass the wide scope of multidisciplinary research in the space related to the determination of key factors involved linked to fundamental interactions, cross-modal effects in different contexts and eating scenarios, as well as studies that utilize unique study design approaches and methodologies.

This best-selling textbook delivers all you need to master the Obstetrics and Gynecology Clerkship, offering step-by-step, how-to guidance on evaluating, diagnosing, and managing a full range of normal and abnormal pregnancies and gynecologic conditions. And now, it has been completely revised and reorganized to present a state-of-the-art approach to the field! The result is an outstanding resource to help you meet the clinical challenges encountered in obstetrics and gynecology. Book jacket.

Kantowitz, Roediger, and Elmes, all prominent researchers, take an example-based approach to the fundamentals of research methodology. The text is organized by topic--such as research in human factors, learning, thinking, and problem solving--and the authors discuss and clarify research methods in the context of actual research conducted in these specific areas. This unique feature helps students connect the concepts of sound methodology with their practical applications. Carefully selected real-world examples allow students to see for themselves the issues and problems that can occur in conducting research. More importantly, students develop a sense of how to anticipate and adjust for problems in their own research. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This new edition of White Coat Tales presents intriguing stories that give historical context to what we do in medicine today—the body's "holy bone" and how it got its name, a surprising reason why gout seemed to be so prevalent several centuries ago, and the therapeutic misadventure that shortened the life of Eleanor Roosevelt. In addition to many new tales, this revised edition

contains 128 illustrations, such as images of Baron von Münchhausen aloft with cannonballs and Vincent van Gogh's portrait of his doctor showing a clue to the painter's health. Read about legendary medical innovators, diseases that changed history, illnesses of famous persons, and some epic blunders of physicians and scientists. The author is Robert B. Taylor, MD, Emeritus Professor, Oregon Health & Science University School of Medicine, and Professor, Eastern Virginia Medical School. Dr. Taylor is the author and editor of more than 33 medical books. To see Dr. Taylor lecture on the history of medicine, go here:

<https://youtu.be/Zx4yaUyaPRA>

Nutrition in the Prevention and Treatment of Disease, Fourth Edition, is a compilation of current knowledge in clinical nutrition and an overview of the rationale and science base of its application to practice in the prevention and treatment of disease. In its fourth edition, this text continues the tradition of incorporating new discoveries and methods related to this important area of research. Generating and analyzing data that summarize dietary intake and its association with disease are valuable tasks in treating disease and developing disease prevention strategies. Well-founded medical nutrition therapies can minimize disease development and related complications. Providing scientifically sound, creative, and effective nutrition interventions is both challenging and rewarding. Two new chapters on metabolomics and translational research, which have come to be used in nutrition research in recent years. The new areas of study are discussed with the perspective that the application of the scientific method is by definition an evolutionary process. A new chapter on Genetics and Diabetes which reviews the latest research on causal genetic variants and biological mechanisms responsible for the disease, and explores potential interactions with environmental factors such as diet and lifestyle. Includes all major "omics" – the exposome, metabolomics, genomics, and the gut microbiome. Expands the microbiota portions to reflect complexity of diet on gut microbial ecology, metabolism and health

This is the ideal companion for those needing guidance when carrying out a research project in a management or a business-related subject. The text is succinct and concise, written with modular courses in mind for the reader to quickly gain an overall perspective of the fundamental areas and identify the key points that need to be addressed. This clear and practical book also covers the requirements of more general areas of business research and consultancy. New to this edition is a chapter devoted to the analysis of qualitative data - an area many students find they want to focus on. A new accompanying student website also gives practical guidance on some of the problems students face: assistance with writing a research proposal; the structure of a dissertation; collecting data - how much is enough; citing references; links to other resources. Dissertations and projects form an integral part of many MBA and degree programmes and this text is invaluable when tackling this area for the first time. The authors approach the research task in a step-by-step manner, covering areas such as data collection, observational methods, and data analysis.

PSYCHOLOGY: THEMES AND VARIATIONS, 10th Edition, helps you experience the excitement of this fascinating field, while helping you study and retain what you learn. Filled with practical ways that you can apply psychology to your everyday life, this best-selling textbook is an experience in learning that you'll remember long after you complete your introductory psychology course. Critical Thinking Applications in every chapter give you specific critical thinking strategies you can apply in all of your courses and in your personal life. Reality Checks, many of which may surprise you, address common misconceptions about psychology. Every chapter of this book offers tools -- such as Concept Charts that provide colorful visual snapshots of key points -- to help you focus on what's important, showing you how to study in ways that help you retain information and do your best on exams.

Available with free access to the interactive eBook* for 12 months when you buy the paperback version (ISBN 9781446295311 only), this is the companion for any student undertaking a research project. Click on the icons in the margins of the eBook to access a wealth of resources including: Video Content Chapter introductions and top tips from the author along with tried and tested open access videos on YouTube introduce you to key chapter contents Datasets Play around with real data in SPSS and put your statistics knowledge into practice Weblinks Direct you to real world examples to broaden your knowledge Checklists Guide you through a specific research process such as running a focus group or conducting an interview Further Reading Link you to a range of resources to deepen your understanding of a topic However you access the content the Third Edition guides you smoothly through the research process from start to finish setting out the skills needed to design and conduct effective research and introduces the reader to the reality of conducting research in the real world. It gives practical advice on how best to select appropriate projects, design strategies, sources and methods and provides the tools needed to collect, analyze and present data. Applicable to any discipline and firmly rooted in the practicalities of research there are new and exciting chapters on: - Using SPSS for quantitative data analysis - Sampling strategies in quantitative and qualitative research - Approaches to secondary analysis - Using focus groups - Ethnography and participant observation (*interactivity only available through VitalSource eBook) Available with Perusall—an eBook that makes it easier to prepare for class Perusall is an award-winning eBook platform featuring social annotation tools that allow students and instructors to collaboratively mark up and discuss their SAGE textbook. Backed by research and supported by technological innovations developed at Harvard University, this process of learning through collaborative annotation keeps your students engaged and makes teaching easier and more effective. Learn more.

The book *Current Issues in the Diagnostics and Treatment of Acute Appendicitis* is devoted to the actual and in some cases controversial and unresolved problems associated with acute appendicitis, as well as peculiarities of its clinical picture, diagnosis, and treatment in children. The materials of the book will be of interest to anyone who considers emergency abdominal surgery their specialty.

Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Praised for its clear and consistent organization, dynamic illustrations, and emphasis on clinical applications, *Snell's Clinical Anatomy by Regions* pairs expert perspectives with a user-friendly approach to deliver a proven learning and teaching resource on the practical application of anatomy. Ideal for medical, dental, allied health, and nursing programs, this trusted text guides students through the fundamentals of human anatomy, explaining the how and why behind each structure and offering readers the hands-on guidance they need to make sound clinical choices. This edition has been completely reorganized to help students confidently navigate body regions from surface to deep structures, integrating basic anatomy, clinical information, surface and radiographic anatomy, as well as embryology. Colorful new illustrations and concise chapter summaries further reinforce understanding of key concepts and equip students for clinical success.

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional

exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Now in its 9th Edition, RESEARCH METHODS provides psychology students with a scientific approach to understanding their field of study and the world in general. The text's logical, step-by-step coverage is the result of decades of author experience. It includes all of the stages of the research process, from selecting the project and searching for literature, to choosing a protocol and getting published. RESEARCH METHODS also presents students with problems from selected psychological literature to demonstrate some of the creative ways psychology professionals design and conduct effective research.

With over 1000 questions, MCQs and EMQs in Surgery is the ideal self-assessment companion guide to Bailey & Love's Short Practice in Surgery. The book assists readers in their preparation for examinations and to test their knowledge of the principles and practice of surgery as outlined within Bailey & Love. Sub-divided into 13 subject-s

This book presents a new, multidisciplinary perspective on and paradigm for integrative experimental design research. It addresses various perspectives on methods, analysis and overall research approach, and how they can be synthesized to advance understanding of design. It explores the foundations of experimental approaches and their utility in this domain, and brings together analytical approaches to promote an integrated understanding. The book also investigates where these approaches lead to and how they link design research more fully with other disciplines (e.g. psychology, cognition, sociology, computer science, management). Above all, the book emphasizes the integrative nature of design research in terms of the methods, theories, and units of study—from the individual to the organizational level. Although this approach offers many advantages, it has inherently led to a situation in current research practice where methods are diverging and integration between individual, team and organizational understanding is becoming increasingly tenuous, calling for a multidisciplinary and transdisciplinary perspective. Experimental design research thus offers a powerful tool and platform for resolving these challenges. Providing an invaluable resource for the design research community, this book paves the way for the next generation of researchers in the field by bridging methods and methodology. As such, it will especially benefit postgraduate students and researchers in design research, as well as engineering designers.

For undergraduate or graduate courses that include planning, conducting, and evaluating research. A do-it-yourself, understand-it-yourself manual designed to help students understand the fundamental structure of research and the methodical process that leads to valid, reliable results. Written in uncommonly engaging and elegant prose, this text guides the reader, step-by-step, from the selection of a problem, through the process of conducting authentic research, to the preparation of a completed report, with practical suggestions based on a solid theoretical framework and sound pedagogy. Suitable as the core text in any introductory research course or even for self-instruction, this text will show students two things: 1) that quality research demands planning and design; and, 2) how their own research projects can be executed effectively and professionally.

The Palgrave Handbook of Race and the Arts in Education is the first edited volume to examine how race operates in and through the arts in education. Until now, no single source has brought together such an expansive and interdisciplinary collection in exploration of the ways in which music, visual art, theater, dance, and popular culture intertwine with racist ideologies and race-making. Drawing on Critical Race Theory, contributing authors bring an international perspective to questions of racism and anti-racist interventions in the arts in education. The book's introduction provides a guiding framework for understanding the arts as white property in schools, museums, and informal education

spaces. Each section is organized thematically around historical, discursive, empirical, and personal dimensions of the arts in education. This handbook is essential reading for students, educators, artists, and researchers across the fields of visual and performing arts education, educational foundations, multicultural education, and curriculum and instruction.

Now your students can become intelligent consumers of scientific research, without being overwhelmed by the statistics! Jaccard and Becker's text teaches students the basic skills for analyzing data and helps them become intelligent consumers of scientific information. Praised for its real-life applications, the text tells students when to use a particular statistic, why they should use it, and how the statistic should be computed and interpreted. Because many students, given a set of data, cannot determine where to begin in answering relevant research questions, the authors explicate the issues involved in selecting a statistical test. Each statistical technique is introduced by giving instances where the test is most typically applied followed by an interesting research example (each example is taken from psychology literature).

This book will be an ally for teachers striving to ignite a passion in their students for psychology's many relevant findings, and for students wanting to satisfy a growing curiosity about themselves, their families, their friends, and the world of people around them.

The fascinating, true story of the world's deadliest disease. In 1918, the Great Flu Epidemic felled the young and healthy virtually overnight. An estimated forty million people died as the epidemic raged. Children were left orphaned and families were devastated. As many American soldiers were killed by the 1918 flu as were killed in battle during World War I. And no area of the globe was safe. Eskimos living in remote outposts in the frozen tundra were sickened and killed by the flu in such numbers that entire villages were wiped out. Scientists have recently rediscovered shards of the flu virus frozen in Alaska and preserved in scraps of tissue in a government warehouse. Gina Kolata, an acclaimed reporter for The New York Times, unravels the mystery of this lethal virus with the high drama of a great adventure story. Delving into the history of the flu and previous epidemics, detailing the science and the latest understanding of this mortal disease, Kolata addresses the prospects for a great epidemic recurring, and, most important, what can be done to prevent it.

One of the greatest strengths of this text is the consistent integration of research methods and statistics so that students can better understand how the research process requires the combination of these elements. The end goal is to spark students' interest in conducting research and to increase their ability to critically analyze it. In the new second edition of the text, Katherine Adams and Eva Lawrence have integrated additional information on online data collection and research methods, additional coverage of regression and ANOVA, and new examples to engage students.

From birth to first calving, the replacement heifer undergoes tremendous changes anatomically as well as in feeding and management practices. The calf changes from being a pseudo-monogastric to a full ruminant within a period of two months. During the same period, the calf is fed colostrum, milk, or milk replacer, and starter with or without hay. Notably, the lifetime milk production and health of a dairy cow is highly dependent on early life nutrition and management of the calf and, subsequently, the heifer. Hence, animal scientists continue to investigate critical areas such as colostrum feeding, the level of liquid feeding, gut microbial succession, energy and protein levels, housing, health management, and their interactions with the animal in an effort to help dairy producers raise successful and sustainable dairy enterprises.

This volume provides an essential roster of primary research methods as they apply to health communication inquiry. Editor Bryan B. Whaley brings together key health communication researchers to write about their primary methodological areas. Their chapters offer guidance and

insights for a variety of approaches to answering research questions. The methods included here cover: Exploration and Description: interview/focus groups, case study, ethnography, and surveys; Examining Messages and Interpersonal Exchanges: narrative analysis, conversational analysis, analyzing physician-patient interactions, social network analysis, and content analysis; Causal Explication: experimental research, meta-analysis, and meta-synthesis; and Cultural, Population, and Critical Concerns: rhetorical methods and criticism, and methodological issues when investigating stigmatized populations, and groups with health disparities. Chapters cite or use examples from allied health areas -- nursing, public health, sociology, medicine -- to demonstrate the breadth of health communication studies. This work highlights the importance of methodology in health communication research in multiple contexts. Developed to provide a fundamental reference for investigating health communication, this volume will serve as an invaluable tool for researchers and students across the social science and health disciplines.

Dr. James W. Kalat's BIOLOGICAL PSYCHOLOGY is the most widely used text in the course area, and for good reason: an extremely high level of scholarship, clear and occasionally humorous writing style, and precise examples. Throughout all eleven editions, Kalat's goal has been to make biological psychology accessible to psychology students, not just to biology majors and pre-meds. Another goal has been to convey the excitement of the search for biological explanations of behavior, and Kalat delivers. Updated with new topics, examples, and recent research findings--and supported by new online bio-labs, part of the strongest media package yet--this text speaks to today's students and instructors. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Written specifically for the Research Methods aspect of an MBA course, Research Methods in Management is the ideal companion for those needing guidance on carrying out a research project. The author offers a succinct guide to the topic which provides MBA and Business Students with the necessary grounding in the area of research without going into too much depth. The text is therefore written with modular courses in mind so that students gain an overall perspective of the important areas that need consideration and can ascertain the key points they need to be aware of when carrying out research. Dissertations and projects form an integral part of many MBA and degree courses and therefore guides such as this are becoming invaluable when tackling this area for the first time. Research Methods in Management approaches the research task in a step by step manner, covering areas such as data collection, observational methods, and data analysis. Guidance is provided on the best way to approach aspects of the research process and to ensure all aspects are adequately covered. As this is an area where many students feel they do not have any experience, a text such as this provides the necessary support in approaching this area of the course.

with simulations and illustrations by Richard Gray Problem solving is an indispensable part of learning a quantitative science such as neurophysiology. This text for graduate and advanced undergraduate students in neuroscience, physiology, biophysics, and computational neuroscience provides comprehensive, mathematically sophisticated descriptions of modern principles of cellular neurophysiology. It is the only neurophysiology text that gives detailed derivations of equations, worked examples, and homework problem sets (with complete answers). Developed from notes for the course that the authors have taught since 1983, Foundations of Cellular Neurophysiology covers cellular neurophysiology (also some material at the molecular and systems levels) from its physical and mathematical foundations in a way that is far more rigorous than other commonly used texts in this area.

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