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Design Drawing, 3rd Edition
Francis D. K. Ching & Steven P. Juroszek

Previous Editions Licensed in Bahasa Indonesian, French, Korean, Orthodox Chinese, Portuguese, Russian, Simplified Chinese, and Spanish

The classic guide to drawing for designers, revised and updated to include current digital-drawing techniques

An architect’s precise interpretation and freedom of expression are captured through hand drawing, and it is perhaps the most fundamental skill that the designer must develop to communicate thoughts and ideas effectively. In his distinctive style, world-renowned author Francis D. K. Ching presents Design Drawing, Third Edition, the classic guide to hand drawing that demonstrates how to use drawing as a practical tool for formulating and working through design problems. While digital tools continue to evolve, this new edition includes fresh illustrations and information on the latest digital-drawing techniques.

Design Drawing, Third Edition covers the basics of drawing, including: line, shape, tone, and space. Guiding the reader step-by-step through the entire drawing process, Design Drawing, Third Edition examines different types of drawing techniques, such as: multiview, paraline, and perspective drawings. Additionally, the book:

• Features over 1,500 hand drawings – stunning illustrations that reinforce the concepts of each chapter
• Offers new exercises and illustrative examples that range in complexity
• Presents all-new digital drawing topics, such as: hybrid floor plans, digital models and fabrication, and hand-to-digital fluency
• Includes access to a new website featuring videos of the author demonstrating freehand techniques

Written and illustrated for professional architects, designers, fine artists, illustrators, instructors and students, Design Drawing, Third Edition is an all-in-one package and effective tool that clearly demonstrates drawing concepts and techniques.

About the Author
FRANCIS D.K. CHING is Professor Emeritus of Architecture at the University of Washington and is a leading global authority on architectural drawings. He is the author or coauthor of numerous architecture and design books, including Architectural Graphics; Architecture: Form, Space, and Order; A Global History of Architecture; Building Construction Illustrated; and Building Codes Illustrated, all from Wiley.
Drawing from the Model
Frank Melendez
ISBN: 978-1-119-11562-5 • Feb 2019 • 352pp
This book provides readers with an overview of traditional and contemporary architectural representation methods and offers insight into significant developments in computing as they apply to architectural drawing and modeling. It offers readers a look into recent developments in technologies that have impacted architectural design and representation workflows, and focuses on digital design software used in higher education and industry, including Robert McNeel & Associates Rhinoceros® (Rhino 6 for Windows), Grasshopper®, and Adobe Illustrator® CC. The book covers fundamental methods for digital drawing, 3D modeling, and visual programming through descriptions, examples, and tutorial-based instructions specific to the production of digital design drawings and graphics.
Construction Project Scheduling and Control, 4th Edition
Saleh A. Mubarak

Construction Project Scheduling and Control provides a comprehensive examination of the analytical methods used to devise a reasonable, efficient, and successful schedule for construction projects of all sizes. The entire success of a construction process hinges on an efficient, well-thought out schedule, which is strictly defined while allowing for inevitable delays and changes. This book helps students learn the processes, tools, and techniques used to make projects run smoothly, with expert guidance toward the realities of this complex function. The book introduces students to entirely new definitions and theories of the Critical Path Method (CPM), the leading scheduling method, as well as the most up-to-date information on Building Information Modeling (BIM).

- Completely revised chapters on the Critical Path Method (CPM) and Building Information Modeling (BIM)
- Entirely new chapter on project scheduling and control through the owner’s perspective
- Provides students with numerous solved and unsolved problems
- Expanded glossary and list of acronyms
- Updated instructor materials including lecture slides and an instructor’s manual

Scheduling encompasses everything from staff requirements and equipment needs to materials delivery and inspections, requiring a deep understanding of the process. For the student interested in construction management, Construction Project Scheduling and Control is an informative text on the field’s current best practices.

About the Author
SALEH MUBARAK, PHD, is an independent consultant in the field of construction project management, based in Tampa, Florida, focusing on training, writing, public speaking, and consulting. He is a former professor at a number of universities and an active member of PMI and AACE International. He served on the PMI committee that created the professional scheduler certification exam, PSP. He has more than 25 years of diversified and international experience including academia and industry; private and public sectors. He is also the author of How to Estimate with RSMeans Data.
Complete Book of Framing, 2nd Edition - Updated and Expanded
An Illustrated Guide for Residential Construction
Scot Simpson


The bestselling step-by-step framing guide—updated and expanded to meet 2018 codes and standards

The Complete Book of Framing, Second Edition is a comprehensive guide to rough carpentry and framing, written by an expert with over forty years of framing experience. This book guides the reader through step-by-step framing instructions for floors, walls, roofs, door and window openings, and stairs. Hundreds of full-color illustrations and photos enable novice and professional framers to understand and master framing techniques.
Using the Project Management Maturity Model, 3rd Edition
Strategic Planning for Project Management
Harold Kerzner

The industry validated Project Management Maturity Model developed by Dr. Harold Kerzner—updated and expanded

Using the Project Management Maturity Model offers tools for organizations of all sizes to evaluate their progress in effectively integrating project management along the maturity curve. This new edition offers maturity metrics, examples of Project Management Maturity Model (PMMM) reports, a new chapter on the characteristics of effective PMMM, assessment questions that align with the PMBOK® Guide—Sixth Edition, all-new illustrations that define advanced levels of maturity, assessment tools for organizations using traditional PM methods, and detailed guidance for organizations using Agile and Scrum.

Using the Project Management Maturity Model, Third Edition is broken down into three major parts. The first part discusses the principles of strategic planning and how it relates to project management. The second part details the Project Management Maturity Model (PMMM), which provides organizations with general guidance on how to perform strategic planning for project management. The third part of the book looks at some relatively new concepts in project management, such as: how assessments can be made to measure the firm's growth using PM 2.0 and PM 3.0.

- Features customizable maturity model assessment tools for organizations of all sizes
- Includes assessment questions updated to line up with PMBOK® Guide—6th Edition
- Offers detailed guidance on applying the maturity model for Agile and Scrum
- Includes PowerPoint decks to aid in teaching the maturity model

About the Author

HAROLD KERZNER, Ph.D., is Senior Executive Director for Project Management at the International Institute for Learning, Inc. (IIL), a global learning solutions company offering professional training and consulting services worldwide. Dr. Kerzner's profound effect on the project management industry inspired IIL to establish, with PMI, the Kerzner International Project Manager of the Year Award, which is presented to a distinguished PMP or global equivalent each year.
Supercharg3d: How 3D Printing Will Drive Your Supply Chain
Len Pannett
ISBN: 978-1-119-53235-4 • Apr 2019 • 256pp

A strategic and operational guide to using 3D printing to drive value in the supply chain, featuring case studies and examples from across industries

Supercharg3d: How 3D Printing Will Drive Your Supply Chain shows readers how to drive value in their supply chain by supercharging it with 3D printing. Aimed at being a first reference for those in businesses who make strategic decisions on operations and supply chain matters, it takes a pragmatic position, balancing opportunities that 3D printing presents with reality of the limitations that it continues to have.
Advances in Esthetic Implant Dentistry
Abdelsalam Elaskary

Author's Previous Titles Licensed in Fundamentals of Esthetic Implant Dentistry

A comprehensive and highly illustrated reference on current topics in esthetic dental implant therapy

Advances in Esthetic Implant Dentistry provides a current, comprehensive overview of esthetic implant therapy. Offering innovative step-by-step protocols for surgical techniques and case studies, the book presents practical, clinically oriented guidance firmly anchored in solid scientific research. A companion website provides videos of clinical procedures and follow-up case studies.

The book emphasizes the physiology of labial plate of bone and its influence to the overall fate of implant placement in fresh extraction sites, including several cutting-edge techniques to restore and treat deficient labial plate of bone. A novel chapter offers a solid protocol to diagnose, categorize, and treat implant-related gingival recession predictably.

• Highlights novel esthetic protocols in dental implantology, applying the latest advances in clinical techniques to real-world dentistry
• Follows up on treatment outcomes, presenting results up to seven years later
• Provides reliable, evidence-based bone regenerative methods
• Illustrates procedures step by step, with more than 2500 clinical photographs
• Features a companion website with videos of clinical procedures and follow-up case studies

Advances in Esthetic Implant Dentistry is an indispensable clinical companion for practitioners and students of periodontics, prosthodontics, oral and maxillofacial surgery, and general dentistry, bringing the reader new horizons in esthetic dentistry.

About the Author
Dr. Abdelsalam Elaskary is the founder of the Elaskary & Associates Clinic and Educational Institute located in Alexandria, Egypt and is currently a visiting lecturer at the University of New York (NYU) in New York City, New York, USA.
Aesthetic Orthognathic Surgery and Rhinoplasty
Derek M. Steinbacher

Comprehensive in scope, Aesthetic Orthognathic Surgery and Rhinoplasty presents orthognathic surgery from an aesthetic perspective, encompassing analysis, diagnosis, treatment, 3D virtual planning, and adjunctive procedures.

- Easily accessible clinical information presented in a concise and approachable format
- Well-illustrated throughout with more than 1,000 clinical photographs
- Includes access to a companion website with videos of surgical procedures

About the Author
Derek M. Steinbacher, DMD, MD, FACS, is Director of Craniomaxillofacial Surgery, Associate Professor of Plastic and Reconstructive Surgery, and Chief of Oral and Maxillofacial Surgery at Yale School of Medicine and Yale New Haven-Health, in New Haven, Connecticut, USA and is Associate Clinical Professor of Orthodontics at the University of Connecticut in Farmington, Connecticut, USA. Dr. Steinbacher can be found at www.dereksteinbacher.com and on Instagram at dereksteinbacher.
Levison’s Textbook for Dental Nurses, 12th Edition

Carole Hollins

Author’s Previous Titles Licensed in Questions and Answers for Diploma in Dental Nursing Level 3; Basic Guide to Dental Procedures, 2nd Edition; Diploma in Dental Nursing, Level 3, 3rd Edition; Levison’s Textbook for Dental Nurses, 11th Edition; Basic Guide to Dental Procedures; NVQs for Dental Nurses, 2nd Edition; Questions and Answers for Dental Nurses, 3rd Edition

Previous Editions Licensed Spanish

A fully updated edition of the best-selling textbook for students studying for their dental nurse qualification

Levison’s Textbook of Dental Nursing continues to be an indispensable resource written specifically for those undertaking the NEBDN National Diploma in Dental Nursing. This new edition provides in-depth coverage in many areas, including the structure of the dental profession—including an update of the current, available NHS dental services; information on extended duties for dental nurses; legal and ethical issues; health and safety—including COSHH and waste disposal legislation updates; general anatomy and physiology; and medical emergencies.

- New edition of a classic textbook, fully in line with the most recent developments in dental nursing practice and education Caters especially for the NEBDN National Diploma in Dental Nursing
- Outlines the latest GDC standards for dental nurses
- Key Learning Points in every chapter to help readers master essential information

Packed with illustrations and diagrams to assist with aiding comprehension, this student-friendly text is ideal for dental nurses studying for the NEBDN National Diploma in Dental Nursing. It will also be of great benefit to dental nurses studying for the City & Guilds Diploma in Dental Nursing, Level 3.

About the Author

Carole Hollins is a General Dental Practitioner and has been working in Stoke-on-Trent for 30 years, and for the majority of that time, in her own practice. Carole ran a local dental nurse training course for the National Examining Board for Dental Nurses (NEBDN) qualifications for 23 years. She is an Examiner for the City & Guilds Level 3 Diploma in Dental Nursing, Former Presiding Examiner for several of the NEBDN qualifications, and was Chairman of the NEBDN from 2010 to 2012.
Neurotoxins and Fillers in Facial Esthetic Surgery
Bradford M. Towne & Pushkar Mehra

This book offers a detailed, practical guide to incorporating minimally invasive cosmetic surgery into dental practice. Chapters thoroughly examine all aspects of using these materials in practice, and present step-by-step techniques for injecting and placing neurotoxins and fillers, with specific recommendations for product selection and in-depth information on case management. Anatomical drawings and clinical photographs depict the procedures and concepts described.

From patient evaluation, treatment planning, and product selection to techniques, managing complications, and marketing the service, Neurotoxins and Fillers in Facial Esthetic Surgery provides a complete resource for using these techniques in practice. Coverage encompasses facial anatomy, neurotoxins, cosmetic fillers, hyaluronic acid dermal fillers, Radiesse calcium hydroxylapatite injectable filler, pearls and pitfalls, and how to build your practice

- Offers a complete but easy-to-use-reference on all aspects of how to set up a minimally invasive cosmetic facial surgery service within an oral and maxillofacial surgery practice
- Surveys the range of products available in detail from an objective viewpoint
- Presents how-to techniques for injecting and placing neurotoxins and fillers

Neurotoxins and Fillers in Facial Esthetic Surgery is an essential reference for any oral and maxillofacial surgeon or general dentist wishing to add minimally invasive cosmetic surgery to their repertoire.

About the Authors

Bradford M. Towne, DMD, is a board-certified oral and maxillofacial surgeon and is retired as a Clinical Associate Professor in the Department of Oral and Maxillofacial Surgery at the Boston University Henry M. Goldman School of Dental Medicine in Boston, Massachusetts, USA.

Pushkar Mehra, BDS, DMD, FACS, is Professor and Chair, Department of Oral and Maxillofacial Surgery and Associate Dean for Hospital Affairs, Boston University Henry M. Goldman School of Dental Medicine.
Oral and Maxillofacial Radiology, Second Edition
A Diagnostic Approach
David MacDonald

Author’s Previous Titles Licensed in Oral and Maxillofacial Radiology: A Diagnostic Approach

Oral and Maxillofacial Radiology: A Diagnostic Approach, Second Edition is a fully updated and revised edition of this richly illustrated reference to the wide range of diagnostic imaging modalities available for investigating lesions affecting the face and jaws.

- Provides extensive flowcharts detailing the steps of diagnosis and decisions
- Features more than 700 clinical images demonstrating the concepts discussed, with more images covering cone beam computed tomography, positron emission tomography and interventional procedures
- Discusses differences in the demographic, clinical and radiological presentations and outcomes of treatment due to ethnicity
- Presents practical approaches firmly grounded in the scientific literature, focusing on the most common and important lesions
- Includes perspectives from experts in various specialty areas, including medical radiologists, oral and maxillofacial radiologists, functional imaging specialists, and radiation oncologists

Presents an accessible and user-friendly reference Features flowchart detailing step-by-step diagnosis Offers a solid evidence base, with information thoroughly referenced throughout Provides more than 700 clinical images demonstrating the concepts

About the Author

David MacDonald, BDS, BSc (Hons.), LLB (Hons.), MSc, DDS (Edin.), DDRRCR, FDSRCPS, FRCD(C), is Professor and Chair of Oral and Maxillofacial Radiology at the University of British Columbia in Vancouver, Canada; Consultant to the British Columbia Cancer Agency in Vancouver, Canada; and Regional Director (North America) for the International Association of Dento-Maxillo-Facial Radiology.
Endodontology at a Glance
Alix Davies, Federico Foschi & Shanon Patel


A practical and colourful introductory guide, *Endodontology at a Glance* covers all the essential topics (diagnosis, endodontic therapy, pain management and outcome of treatment) as well as the recent developments that comprise the field of endodontology. Written by experts in the field, the book explores the causes and sequelae of endodontic disease and offers suggestions for taking an effective patient history.

- New addition to the *At a Glance* series covering a core area of dentistry
- Review style makes for the ideal revision companion
- Includes access to a companion website with MCQs for self-assessment and downloadable images for use in teaching

Leadership and Communication in Dentistry
Joseph P. Graskemper

ISBN: 978-1-119-55721-0 • Mar 2019 • 168pp

Author’s Previous Titles Licensed in Professional Responsibility in Dentistry

This book provides practical strategies for dentists to effectively and confidently communicate with many dental insurance issues, as well as with their patients and members of their staff. Providing real-world examples and sample letters, the book includes specific guidance on how to handle common communication scenarios to avoid being caught off-guard or unprepared.

*Leadership and Communication in Dentistry* begins with a unique section discussing communications with insurance companies, including negotiations, PPO contract issues, appeals letters, and more.

*Leadership and Communication in Dentistry* is a must-have resource for any dentist or dental student wishing to improve their communication skills.
ABC of Nutrition, 5th Edition
Mike Lean, Wilma Leslie & Catherine Hankey

Author’s Previous Titles Licensed in ABC of Obesity
Previous Editions Licensed in Greek

The book begins with an introduction to nutrition and definitions of terms before covering dietary assessment, body composition and epidemiology. The subsequent chapters go on to cover dietary guidelines and provide more detailed guidance on the main nutrients and food groups.

The title then addresses the role of nutrition in the treatment and management of disease which is followed by three chapters related to challenges of weight management and obesity. The new edition also includes chapters on nutrition for special populations, such as pregnancy, children and the elderly, and a final chapter on the use of products marketed for sports and performance enhancement.

This edition includes the latest NICE guidelines on Nutrition Support for Adults as well as earlier guidance on Maternal and Child Nutrition.

About the Authors
Professor Mike Lean Chair of Human Nutrition, School of Medicine, University of Glasgow, Glasgow, UK
Dr Wilma Leslie Research Nurse (Human Nutrition), School of Medicine, University of Glasgow, UK
Dr Catherine Hankey Senior Lecturer (Human Nutrition), School of Medicine, University of Glasgow, UK
**Cardiovascular Disease, 2nd Edition**

**Diet, Nutrition and Emerging Risk Factors**

BNF (British Nutrition Foundation), Sara Stanner, Sarah Coe & Keith N. Frayn

A comprehensive, accessible summary of the latest research in heart disease risk factors

Cardiovascular Disease (CVD) is a major cause of early death and disability across the world. The major markers of risk—including high blood cholesterol, smoking, and obesity—are well known, but studies show that such markers do not account for all cardiovascular risk. Written by a team of renowned experts in the field, this comprehensive and accessible book examines the evidence for emerging and novel risk factors, and their relationship with diet and nutrition.

Fully updated throughout, *Cardiovascular Disease: Diet, Nutrition and Emerging Risk Factors, 2nd Edition* covers everything from the epidemiology of cardiovascular disease, to genetic factors, to inflammation and much more – offering invaluable advice on reducing risk factors and preventing CVD. This new edition:

- Authoritatively reports on the link between emerging aspects of diet, lifestyle and cardiovascular disease risk
- Focuses on novel risk factors of CVD, including the human gut microbiome and fetal and childhood origins, and how it can be prevented
- Features recommendations for interventions and future research
- Includes references, commonly asked questions that summarise the take-home messages, and an online glossary

*Cardiovascular Disease: Diet, Nutrition and Emerging Risk Factors, 2nd Edition* is an important book for researchers and postgraduate students in nutrition, dietetics, food science, and medicine, as well as for cardiologists and cardiovascular specialists.

**About the Authors**

**Professor Keith Frayn** is Emeritus Professor of Human Metabolism at the University of Oxford. He has published extensively in the area of metabolic regulation, including the textbook *Human Metabolism: a Regulatory Perspective*.

**Sara Stanner** is Science Director at the British Nutrition Foundation (BNF). She edited the first edition of *Cardiovascular Disease: Diet, Nutrition and Emerging Risk Factors* and other BNF Task Force books.
ABC of Autism
Munib Haroon
Series: ABC Series • ISBN: 978-1-119-31725-8 • Apr 2019 • 88pp
ABC of Autism provides clinicians and medical students with a succinct, evidence-based overview of the symptoms, evaluation, treatment, and management of autism in both daily practice and for ongoing patient support plans. This accessible and informative guide allows primary healthcare professionals to quickly reference the essential information required for appropriate patient care.

A Guide to the Scientific Career
Virtues, Communication, Research and Academic Writing
Mohammadali M. Shoja, R. Shane Tubbs & Anastasia Arynchyna
ISBN: 978-1-118-90742-9 • May 2019 • 744pp
Author's Previous Titles Licensed in Bergman's Comprehensive Encyclopedia of Human Anatomic Variation
A concise, easy-to-read source of essential tips and skills for writing research papers and career management.
To be truly successful in the biomedical professions, one must have excellent communication skills and networking abilities. Of equal importance is the possession of sufficient clinical knowledge, proficiency in conducting research and writing scientific papers. This unique and important book provides medical students and residents with the most commonly encountered topics in the academic and professional lifestyle, teaching them all the practical nuances that are often only learned through experience.

Aerated Foods, 1st Edition
Principles, Formation and Stability
Ganesan Narsimhan
ISBN: 978-0-8138-1827-6 • Aug 2019 • 440pp
Aerated Foods: Principles, Formation and Stability covers the essential aspects of aeration in foods. Narsimhan addresses fundamental aspects of formation and stability of products and factors influencing the texture specific aerated foods. The book describes the role of proteins, emulsifiers and polysaccharides in stabilizing aerated products. Different mechanisms of destabilization such as flocculation, coalescence and disproportionation are explained. The role of particles in the stability of aerated products is discussed, as are the factors that influence the texture of such products. Aerated Foods may serve as a reference text in academia for courses related to properties and shelf life of foods.

Emerging Natural Hydrocolloids
Rheology and Functions
Seyed M. Razavi
ISBN: 978-1-119-41866-5 • Apr 2019 • 672pp
The first guide devoted to the functions, structures, and applications of natural hydrocolloids
In today's health-conscious climate, the demand for natural food products is growing all the time. Natural hydrocolloids, therefore, have never been more popular. With their thickening, stabilizing, gelling, fat replacing, and binding qualities, these naturally occurring, plant-based polymers can fulfil many of the same functions as commercial ingredients like xanthan, guar, gum Arabic, pectin, and starch.
Emerging Natural Hydrocolloids: Rheology and Functions offers scientists, engineers, technologists, and researchers a unique and in-depth account of the uncharted world of novel hydrocolloids, their uses, properties, and potential benefits.
**Introduction to Environmental Modelling**
Mark Mulligan & John Wainwright

ISBN: 978-0-470-74835-0 • TBA • 352pp

Author’s Previous Titles Licensed in Environmental Modelling; Monitoring and Modelling Dynamic Environments; Recent Dynamics of the Mediterranean Vegetation and Landscape

Introductory text that focuses on why one should model with practice of how to model using a variety of platforms

*An Introduction to Environmental Modelling* focuses on the practical aspects of building and using environmental models to better monitor, understand and manage human-environment systems, particularly on building models for managing environmental change. It begins by defining the role and purpose of modelling as a research activity in the natural and social sciences and continues by considering a series of case studies where models have been used as part of the process to better understand and manage human impacts and interactions with the environment including where models are used in decision and policy support.

**Impaired Vision**
How the Visual World May Change after Brain Damage
Edward de Haan

ISBN: 978-1-119-42391-1 • Apr 2019 • 296pp

An unprecedented book that discusses a decades long journey of understanding vision and visual impairment through working with patients with brain damage

Edward de Haan, a noted clinical vision researcher for the last 35 years, explains how the healthy brain deals with visual information and reveals how he learned to appreciate what it means to be visually impaired. Through discussions of fascinating case studies, he shows that visual deficits are individually unique. Some patients perceive the world without color, some see objects in a distorted manner, whilst others will claim that they can still see although they are demonstrably blind.

**History of Anatomy**
An International Perspective
R. Shane Tubbs, Mohammadali M. Shoja, Marios Loukas & Paul Agutter

ISBN: 978-1-118-52425-X • Feb 2019 • 352pp

Author’s Previous Titles Licensed in History of Anatomy; Bergman’s Comprehensive Encyclopedia of Human Anatomic Variation

A unique biographical review of the global contributors to field of anatomy

*History of Anatomy: An International Perspective* explores the global and ancient origins of our modern-day understanding of anatomy, presenting detailed biographies of anatomists from varied cultural and historical settings. Chapters organized by geographic region, including Africa, the Middle East, and Europe, review the lives of those that helped shape our current understanding of the human form. Examining both celebrated and lesser-known figures, this comprehensive work examines their contributions to the discipline and helps readers develop a global perspective on a cornerstone of modern medicine and surgery.

**Maths for Geologists**
A Pocket Guide
Jeremy C. Phillips

ISBN: 978-1-118-76528-9 • TBA • 256pp

An accessible pocket guide that provides essential reference information about the mathematical methods and their broader background needed by Geologists in the analysis and quantitative interpretation of field observations, measurements, and physical and chemical models of geological processes

This accessible pocket guide provides essential reference information about the mathematical methods and their broader background that are needed by Geologists in the analysis and quantitative interpretation of field observations, measurements, and physical and chemical models of geological processes. Modern Geology has evolved into a highly quantitative science, and this book provides a rapidly-accessible introduction to the major mathematical tools and their broad application to the subject.
Neurodegeneration and Alzheimer’s disease
The role of Diabetes, Genetics, Hormones, and Lifestyle
Ralph Martins, Stephanie J. Fuller, Binosha Fernando, Margaret Brennan & Charles S. Brennan
ISBN: 978-1-119-35678-3 • May 2019 • 552pp

Understanding the impact of diet, exercise, genetics, and hormones on the risk and development of Alzheimer’s and other neurogenerative diseases
Diet is widely known to impact on neurological function. Nevertheless, academic texts discussing this relationship are relatively few in number. This book therefore fills an important gap in the current literature. Opening with an overview of neurodegenerative diseases, particularly Alzheimer’s disease, the text then focuses on explaining how glycemic control and lipid metabolism – and associated nutritional and lifestyle variables – may factor into such disorders’ prevention and treatment.

Molecular Plant Abiotic Stress
Biology and Biotechnological
Aryadeep Roychoudhury & Dr. Durgesh K. Tripathi
ISBN: 978-1-119-46369-6 • May 2019 • 600pp

A close examination of current research on abiotic stresses in various plant species
Molecular Plant Abiotic Stress: Biology and Biotechnology is an extensive investigation of the various forms of abiotic stresses encountered in plants, and susceptibility or tolerance mechanisms found in different plant species. In-depth examination of morphological, anatomical, biochemical, molecular and gene expression levels enables plant scientists to identify the different pathways and signaling cascades involved in stress response.
Molecular Plant Abiotic Stress: Biology and Biotechnology is a valuable source of information for students, academics, scientists, researchers, and industry professionals in fields that include: agriculture, botany, molecular biology, and more!

Proteomics for Biological Discovery, 2nd Edition
Timothy D. Veenstra

Author’s Previous Titles Licensed in Proteomic Applications in Cancer Detection and Discovery
An update to its popular predecessor, Proteomics for Biological Discovery, Second Edition presents a comprehensive and coherent review of the major issues in proteomic technology development, bioinformatics, strategic approaches, and applications. Building on the strength of the first edition, the text describes the state-of-the-art proteomic technologies and highlights novel applications of proteomic approaches in biomedical research. Written by leading experts in the field, the book is a valuable reference for graduate students, postdoctoral fellows and scientists.

Recent Advances in Polyphenol Research, Volume 6
Heidi Halbwirth, Karl Stich, Vronique Cheynier & Stéphane Quideau
ISBN: 978-1-119-42793-3 • Mar 2019 • 432pp

Author’s Previous Titles Licensed in Recent Advances in Polyphenol Research Volumes 3, 4, and 5
This sixth volume of the highly regarded Recent Advances in Polyphenol Research series is edited by Heidi Halbwirth, Karl Stich, Véronique Cheynier and Stéphane Quideau, and is a continuance of the series’ tradition of compiling a cornucopia of cutting-edge chapters, written by some of the leading experts in their respective fields of polyphenol sciences.
This book is a distillation of the most current information, and as such, will surely prove an invaluable source for chemists, biochemists, plant scientists, pharmacognosists and pharmacologists, biologists, ecologists, food scientists and nutritionists.
The Halal Food Handbook
Stuart Spear & Yunes Teinaz
ISBN: 978-1-118-82312-5 • Jul 2019 • 352pp

The Halal Food Handbook is aimed at abattoirs, manufacturers, retailers, regulators, academics, public bodies catering for Muslims and the broader Muslim community. It covers all aspects of Halal from its origins through to how we expect Halal to develop in the coming years. The beginning of the book explains what Halal is, its origins, how it is practiced, and by whom. Readers learn why there are so many interpretations of Halal and why this needs to be resolved if international trade is to be developed.
Brook’s Clinical Pediatric Endocrinology, 7th Edition
Mehul Dattani & Charles G. D. Brook

The seventh edition of Brook’s Clinical Pediatric Endocrinology has been compiled by an experienced editorial team and internationally renowned contributors; it presents basic science and clinical management of endocrine disorders for all involved in the care of children and adolescents. It provides treatments for a variety of hormonal diseases, including diabetes and hypoglycaemia, growth problems, thyroid disease and disorders of puberty, sexual differentiation, calcium metabolism, steroid metabolism and hypopituitarism.

About the Authors

Charles Brook, MD, FRCP, was the first Professor of Pediatric Endocrinology in the UK and the founder of the London Centre for Pediatric Endocrinology at Great Ormond Street Hospital and University College London Hospitals. He was the recipient of the Andrea Prader Prize in 2000, the most prestigious award for outstanding leadership and research in the gift of the European Society for Paediatric Endocrinology.

Mehul Dattani, MD, FRCP, is Professor of Pediatric Endocrinology at the UCL GOS Institute of Child Health and Head of Pediatric Endocrinology at Great Ormond Street Hospital for Children, University College London Hospitals, and Institute of Child Health. He is currently the Chair of the Programme Organising Committee of the European Society for Paediatric Endocrinology.
Cancer, 2nd Edition
Prevention, Early Detection, Treatment and Recovery
Gary S. Stein & Kimberly P. Luebbers

Author’s Previous Titles Licensed in Cell Cycle and Growth Control; Human Stem Cell Technology and Biology; Stem Cell Biology and Gene Therapy

It has been several years since the publication of The Biology and Treatment of Cancer (written by Arthur D. Pardee and Gary Stein – Wiley-Blackwell). That book captured the fundamental properties of Cancer Biology and relevant issues associated with treatment of the disease. For this new edition, the editors include coverage of additional “patient centric” topics and for a presentation of cancer biology with selection of topics, facts, and perspectives with clarity that is maximally comprehensible without a scientific or biomedical background.

This updated edition presents an overview of cancer with an emphasis on considerations, mechanisms and options to navigate the emerging “road map” from cancer prevention to early detection, treatment and recovery. This book will be a unique and valued resource for cancer patients and caregivers.

About the Authors

Gary S. Stein, PhD, is the Professor and Chair of the Department of Biochemistry at the University of Vermont (UVM) and Co-Director of the UVM Cancer Center. He has published more than 800 papers in leading biomedical journals and edited more than 15 books. Dr. Stein has organized and chaired numerous international research conferences and serves on advisory panels for United States and foreign government science policy and granting agencies, scientific advisory boards for biotechnology, pharmaceutical and health care organizations, and editorial boards of more than 16 journals.

Kimberly Luebbers, MSHS, RN, BSN, OCN, is the Assistant Dean for Clinical Research Administration overseeing the Office of Clinical Trials Research and administration of the Clinical Research Center. Luebbers is currently serving as Deputy Director for Administration for the Vermont Cancer Center and Director of the Office of Clinical Trials Research at UVM.
Cardiac Mapping, 5th Edition
Mohammad Shenasa, Gerhard Hindricks, David J. Callans, John Miller & Mark E. Josephson

Author’s Previous Titles Licensed in Cardiac Mapping, Third Edition; Cardiac Mapping, 4th Edition

The expanded guide to cardiac mapping

The effective diagnosis and treatment of heart disease may vitally depend upon accurate and detailed cardiac mapping. However, in an era of rapid technological advancement, medical professionals can encounter difficulties maintaining an up-to-date knowledge of current methods. This fifth edition of the much-admired Cardiac Mapping is, therefore, essential, offering a level of cutting-edge insight that is unmatched in its scope and depth.

Featuring contributions from a global team of electrophysiologists, the book builds upon previous editions’ comprehensive explanations of the mapping, imaging, and ablation of the heart. Nearly 100 chapters provide fascinating accounts of topics ranging from the mapping of supraventricular and ventricular arrhythmias, to compelling extrapolations of how the field might develop in the years to come. In this text, readers will find:

- Full coverage of all aspects of cardiac mapping, and imaging
- Explorations of mapping in experimental models of arrhythmias
- Examples of new catheter-based techniques
- Access to a companion website featuring additional content and illustrative video clips

Cardiac Mapping is an indispensable resource for scientists, clinical electrophysiologists, cardiologists, and all physicians who care for patients with cardiac arrhythmias.

About the Authors

Mohammad Shenasa, MD, Attending Physician, Department of Cardiovascular Services, O’Connor Hospital, Heart & Rhythm Medical Group, San Jose, California, USA.

Gerhard Hindricks, MD, Professor of Medicine (Cardiology), University Leipzig, Heart Center Director, Department of Electrophysiology, Leipzig, Germany.

David J. Callans, MD, Professor of Medicine, Cardiovascular Division, Department of Medicine, University of Pennsylvania, Philadelphia, PA, USA.

John M. Miller, MD, Professor of Medicine, Indiana University School of Medicine, Indianapolis, Indiana.

Mark E. Josephson, MD, Professor Emeritus, Herman C. Dana Professor of Medicine, Harvard Medical School, Chief of Cardiovascular Division, Beth Israel Deaconess Medical Center, Boston, Massachusetts, USA.
Clinical Guide to Gastroenterology
Yang Chen & Maxton Pitcher

Author’s Previous Titles Licensed in System Stimulation Techniques wiht MATLAB and Simulink; Fractional Order Motion Controls; Remote Sensing and Actuation Using Unmanned Vehicles

Clinical Guide to Gastroenterology is an accessible, quick-reference resource that provides practical, evidence-based information on investigations, interventions and management of clinical gastroenterological scenarios. It is packed full of bullet points, diagrams, tables, and algorithms of the important presentations and conditions within Clinical Gastroenterology.

Divided into sections, the book offers in-depth coverage of presenting complaints in Gastroenterology, common conditions broken down by organ system, important investigations and procedures, and pharmacology. Detail is given to the sequence of clinical examination, investigations and management required to diagnose and treat a wide range of gastroenterological disorders.

- Provides information on symptoms, disorders and issues found in the clinical environment
- Guides readers in decision-making, appropriate investigation, and conducting interventions
- Includes important guidelines and clinical trials within each chapter
- Supplemented by a companion website featuring a wealth of additional material, including more than 70 audio clips, over 50 clinical case studies, and almost 350 self-assessment questions, as well as key clinical trials and guidelines.

Clinical Guide to Gastroenterology is a must-have text for junior doctors and medical students as well as doctors, nurses and trainees working within Emergency Departments, Medical, or Surgical Assessment Units.

About the Authors

Yang Chen, MA (Cantab), BM BCh (Oxon), is a Core Medical Trainee at Barts Health NHS Trust.

Maxton Pitcher, MA, MD (Cantab), BM BCh (Oxon), FRCP, is a Consultant Physician and Gastroenterologist at St Marks and Northwick Park Hospitals, Harrow. Series editor: Christian F. Camm MA (Cantab), BM BCh (Oxon), MRCP, Cardiology Specialist Registrar, Royal Berkshire Hospital, Reading.
Evidence-based Gastroenterology and Hepatology, 4th Edition

John W. D. McDonald, Brian G. Feagan, Rajiv Jalan & Peter J. Kahrilas

Author's Previous Titles Licensed in Evidence-Based Gastroenterology and Hepatology, 2nd Edition; Strategic Modelling and Business Dynamics; Fox and McDonald’s Introduction to Fluid Mechanics, 9th Edition; Evidence-based Gastroenterology and Hepatology, 4th edition; Evidence-based Gastroenterology and Hepatology, 3rd edition

Previous Editions Licensed Simplified Chinese and Spanish

The revised fourth edition of Evidence-Based Gastroenterology and Hepatology continues to provide the most current, evidence-based information for determining the appropriate medical and surgical options for screening for, diagnosing, and treating gastrointestinal conditions. With contributions from an international team of leading experts in the field, the 4th edition includes practical recommendations for the care of individual patients based on the latest scientific evidence.

About the Authors

John W.D. McDonald, Professor of Medicine, Robarts Clinical Trials, Western University, London, Ontario, Canada.

Brian G. Feagan, Professor of Medicine and Epidemiology and Biostatistics, Robarts Clinical Trials, Robarts Research Unit, Western University, London, Ontario, Canada.

Rajiv Jalan, Professor of Hepatology and Head, Liver Failure Group, University College London, London, UK.

Peter J. Kahrilas, Professor of Medicine, Division of Gastroenterology, Feinberg School of Medicine, Northwestern University, Chicago, IL, USA.
Handbook of Dermatology, 2nd Edition
A Practical Manual
Margaret W. Mann & Daniel L. Popkin

Author’s Previous Titles Licensed in Clinical Dermatology, 5th edition; Handbook of Dermatology: A Practical Manual
Previous Editions Licensed Russian, Simplified Chinese, Arabic, and Chinese

The Handbook of Dermatology consolidates the essential information required for best-practice patient care into one pocket-sized volume. This indispensable reference guide enables practicing and prospective dermatologists to easily look up information on a wide range of dermatological diseases and quickly access the algorithms, protocols, guidelines, and staging and scoring systems that are vital to both clinical practice and exam success. Written and edited by former residents and attending physicians, the Handbook contains up-to-date information on general dermatology, surgery, and therapeutics.

About the Authors
Margaret W. Mann is Associate Professor and Director of Aesthetic Dermatology, University Hospitals, Case Western School of Medicine, Cleveland, OH, USA.
Daniel L. Popkin is Assistant Professor, Department of Dermatology, University Hospitals, Case Western School of Medicine, Cleveland, OH, USA.
Handbook of Sports Medicine and Science, Canoeing
Don McKenzie & Bo Berglund

A new volume in the Handbook of Sports Medicine and Science series from the International Olympic Committee, this volume Canoeing provides an accessible and comprehensive summary of the topic.

- Provides a concise, authoritative overview of the science, medicine and psycho-social aspects of canoeing
- Offers guidance on medical aspects unique to the training and coaching of canoe athletes
- The only book on this subject endorsed by the Medical Commission of the International Olympic Committee (IOC) and the International Canoe Federation (ICF)
- Written and edited by global thought leaders in sports medicine

About the Authors

Don McKenzie, MD, PhD Professor and Director Division of Sports Medicine The University of British Columbia Vancouver, BC, Canada
Bo Berglund, MD, PhD CMO Swedish Olympic Committee Professor of Internal and Emergency Medicine Karolinska Hospital Stockholm, Sweden
Harper’s Textbook of Pediatric Dermatology, 2 Volume Set, 4th Edition

Prof. Dr. Peter H. Hoeger, Dr. Veronica Kinsler, Albert C. Yan, Prof. John Harper, Prof. Dr. Arnold P. Oranje, Christine Bodemer, Dr. Margarita Larralde, David Luk, Vibhu Mendiratta & Diana Purvis

The fourth edition of this Harper classic provides information on all aspects of skin diseases in children. It covers the diagnosis and treatment of all conditions with an evidence-based approach. Existing content has been refreshed and fully updated to reflect emerging thinking and to incorporate the latest in research and clinical data – especially at the genetic level.

About the Authors

Peter Hoeger is Head of the Departments of Pediatrics and Pediatric Dermatology, Catholic Children’s Hospital Wilhelmstift, Hamburg, and Professor of Pediatrics and Dermatology, University of Hamburg, Germany.

Veronica Kinsler is Consultant Paediatric Dermatologist and Academic Lead Clinician, Paediatric Dermatology Department, Great Ormond Street Hospital for Children and Associate Professor, Genetics and Genomic Medicine, University College London Institute of Child Health, London, UK.

Albert C. Yan is Professor of Pediatrics and Dermatology and Chief of Pediatric Dermatology, Children’s Hospital of Philadelphia, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA.

John Harper is Honorary Professor of Paediatric Dermatology, University College London, Institute of Child Health / Great Ormond Street Hospital, London, UK.

Arnold P. Oranje was formerly Consultant in General and Pediatric Dermatology and Professor of Pediatric Dermatology, Department of Pediatrics, Erasmus Medical Center, Rotterdam, Netherlands.

Christine Bodemer is Professor in Dermatology and Coordinator, French Centre for Genetic Skin Diseases, Centre de reference sur les Maladies Génétiques à Expression Cutanée (MAGEC), Hôpital Necker-Enfants Malades, Paris, France.

Margarita Larralde is Tenured Professor of Dermatology at the University of Buenos Aires (UBA) and Director of the Carrera d de Médicos Specialists in Pediatric Dermatology at Ramos Mejía Hospital Headquarters, Buenos Aires, Argentina.

David Luk is Consultant Pediatrician, Department of Pediatrics, United Christian Hospital, Kwun Tong, Hong Kong.

Vibhu Mendiratta is Professor of Dermatology, Lady Hardinge Medical College, Delhi, India.

Diana Purvis is Paediatric Dermatologist, Starship Childrens Health, Auckland, New Zealand.
How the Immune System Works, 6th Edition
Lauren M. Sompayrac

How the Immune System Works has helped thousands of students understand what’s in their hefty immunology tomes and textbooks. In this book, Dr. Sompayrac cuts through the jargon and details to reveal, in simple language, the essence of this complex subject: how the immune system fits together, how it protects us from disease and, perhaps most importantly, why it works the way it does.

About the Author
Lauren Sompayrac is Professor Emeritus, University of Colorado, Boulder, USA.
How to Read a Paper, 6th Edition
The Basics of Evidence-based Medicine and Health Care
Trisha Greenhalgh

Required reading in many medical and healthcare institutions, *How to Read a Paper* is a clear and wide-ranging introduction to evidence-based medicine and healthcare, helping readers to understand its central principles, critically evaluate published data, and implement the results in practical settings. Author Trisha Greenhalgh guides readers through each fundamental step of inquiry, from searching the literature to assessing methodological quality and appraising statistics.

**About the Author**

Trisha Greenhalgh, OBE, FMedSci is Professor of Primary Care Health Sciences, Nuffield Department of Primary Care Health Sciences, Medical Sciences Division, University of Oxford, UK.
Human Metabolism, 4th Edition
A Regulatory Perspective
Keith N. Frayn & Rhys Evans

The updated bestselling guide to human metabolism and metabolic regulation

The revised and comprehensively updated new edition of Human Metabolism (formerly Metabolic Regulation – A Human Perspective) offers a current and integrated review of metabolism and metabolic regulation. The authors explain difficult concepts in clear and concise terms to provide an accessible and essential guide to the topic. This comprehensive text covers a wide range of topics such as energy balance, body weight regulation, exercise, and how the body copes with extreme situations, and illustrates how metabolic regulation allows the human body to adapt to many different conditions.

This fourth edition has been revised with a new full color text design and helpful illustrations that illuminate the regulatory mechanisms by which all cells control the metabolic processes necessary for life. The text includes chapter summaries and additional explanatory text that help to clarify the information presented. In addition, the newly revised edition includes more content on metabolic pathways and metabolic diseases. This important resource:

• Is a valuable tool for scientists, practitioners and students across a broad range of health sciences including medicine, biochemistry, nutrition, dietetics, sports science and nursing
• Includes a full color text filled with illustrations and additional diagrams to aid understanding
• Offers a companion website with additional learning and teaching resources.

Written for students of medicine, biochemistry, nutrition, dietetics, sports science and nursing, Human Metabolism has been revised and updated to provide a comprehensive review of metabolism and metabolic regulation.

About the Author

Keith N. Frayn, Emeritus Professor of Human Metabolism, University of Oxford, Oxford, UK.

Rhys D. Evans, Reader in Metabolic Biochemistry, Department of Physiology, Anatomy and Genetics, University of Oxford, Oxford, UK.
In the innovative field of cosmetic dermatology, the range of products and methods available to patients is expanding all the time. Prominent among these are facial fillers, which, when injected into and beneath the skin, help alleviate wrinkles and improve smoothness. However, the many fillers on offer have varying characteristics and effects, and practitioners must be properly trained to administer them safely and successfully.

About the Author

**Derek Jones**, MD, is Assistant Clinical Professor at the University of California, Los Angeles and Medical Director, Skin Care and Laser Physicians.

**Arthur Swift**, MD, is a Plastic Surgeon at the Westmount Institute of Plastic Surgery, Montreal, Canada.
Pediatric Dermatologic Surgery
Keyvan Nouri, Latanya Benjamin, Jasem Alshaiji & Jan Izakovic

Author’s Previous Titles Licensed in Dermatologic Surgery: Step by Step

A complete guide to the surgical techniques used to treat childhood skin conditions

Recent advances have expanded the role of pediatric dermatologic surgery in both specialist and primary care settings. However, such surgeries can pose unique challenges to trainees and experienced practitioners alike. Procedures are carried out under local anesthesia and can be a source of distress and concern among young patients. Moreover, child’s skin poses its own set of complicating factors, making the business of performing these procedures especially delicate and precise.

Pediatric Dermatologic Surgery is a step-by-step primer on invasive and non-invasive treatments of childhood skin disorders, offering concise and clearly illustrated guidance on current methods and best practices. This exciting book:

- Reviews the fundamentals of invasive and non-invasive techniques in pediatric surgery
- Outlines a broad range of surgical treatment options for pediatric skin disorders
- Covers current issues in dermatologic surgery associated with pediatric and adolescent populations, including laser tattoo removal
- Features contributions by prominent experts in fields of dermatology, pediatrics, and dermatologic surgery

Pediatric Dermatologic Surgery is an indispensable resource for trainee dermatologists and pediatricians, as well as practicing specialists.

About the Authors

Keyvan Nouri, MD, is Professor of Dermatology, Ophthalmology, Otolaryngology & Surgery, Louis C. Skinner, Jr., M.D. Endowed Chair in Dermatology, Richard Helfman Professor of Dermatologic Surgery, Vice-Chairman of the University of Miami Medical Group, Director of Mohs, Dermatologic & Laser Surgery, Director of Surgical Training Department of Dermatology & Cutaneous Surgery, University of Miami Leonard M. Miller School of Medicine, Miami, FL, USA.

Latanya T. Benjamin, MD, FAAD, FAAP, is Associate Professor of Pediatric Dermatology at Florida Atlantic University, Boca Raton, FL, USA.

Jasem Alshaiji, MD, is Pediatric Dermatologist, Department of Dermatology and Venereology, Amiri Hospital, Kuwait City, Kuwait.

Jan Izakovic, MD, is Volunteer Associate Professor of Dermatology, University of Miami, Miami, FL, USA.
Practical Endocrinology and Diabetes in Children, 4th Edition
Malcolm D. C. Donaldson, John W. Gregory, Guy Van-Vliet & Joseph Wolfsdorf

Author's Previous Titles Licensed in Practical Endocrinology and Diabetes in Children, 3rd Edition
Previous Editions Licensed in Portuguese and Spanish

The revised and updated fourth edition of Practical Endocrinology and Diabetes in Children offers a practical, highly clinical and up-to-date handbook of pediatric endocrinology and diabetes. The book is written in clear terms and offers a user-friendly format that is designed to be concise, yet comprehensive. The international panel of expert contributors explore the range of endocrine disorders in children including growth, thyroid, adrenal and problems related to puberty.

About the Authors
Malcolm D. C. Donaldson, MD, FRCP, FRCPCH, DCH, Honorary Senior Research Fellow, Glasgow University School of Medicine, Honorary Consultant Paediatrician, Royal Hospital for Children, Glasgow, UK.
John W. Gregory, MBChB, MD, FRCP, DCH, FRCPCH, Professor in Paediatric Endocrinology & Honorary Consultant, Division of Population Medicine, School of Medicine, Cardiff University, Heath Park, Cardiff, UK.
Guy Van Vliet, MD, Staff Endocrinologist, CHU Sainte-Justine and Professor of Pediatrics, University of Montreal, Montreal, QC, Canada.
Joseph I. Wolfsdorf, MB, BCh, MA, DCH, FCP, FAAP, Attending Physician in Endocrinology, Boston Children’s Hospital Chair in Endocrinology, Professor of Pediatrics, Harvard Medical School, Boston, Massachusetts, U.S.A.
Psychosis, Trauma and Dissociation, 2nd Edition
Evolving Perspectives on Severe Psychopathology
Andrew Moskowitz, Martin J. Dorahy & Ingo Schäfer

An invaluable sourcebook on the complex relationship between psychosis, trauma, and dissociation, thoroughly revised and updated

This revised and updated second edition of *Psychosis, Trauma and Dissociation* offers an important resource that takes a wide-ranging and in-depth look at the multifaceted relationship between trauma, dissociation and psychosis. The editors have drawn together more than fifty noted experts from around the world, to canvas the relevant literature from historical, conceptual, empirical and clinical perspectives. The result documents the impressive gains made over the past ten years in understanding multiple aspects of the interface between trauma, dissociation and psychosis.

This important resource:

- Offers extensive updated coverage of the field, from all relevant perspectives
- Brings together in one text contributions from scholars and clinicians working in diverse geographical and theoretical areas
- Helps define and bring cohesion to this new and important field
- Features nine new chapters on: conceptions of trauma, dissociation and psychosis, PTSD with psychotic features, delusions and memory, trauma treatment of psychotic symptoms, and differences between the diagnostic groups on hypnotizability, memory disturbances, brain imaging, auditory verbal hallucinations and psychological testing

Written for clinicians, researchers and academics in the areas of trauma, child abuse, dissociation and psychosis, but relevant for psychiatrists, psychologists and psychotherapists working in any area, the revised second edition of *Psychosis, Trauma and Dissociation* makes an invaluable contribution to this important evolving field.

About the Author

Andrew Moskowitz, PhD, Professor of Psychology, Dean of Undergraduate Programs, Touro College Berlin, Berlin, Germany. Martin J. Dorahy, PhD, Professor of Psychology, University of Canterbury, Christchurch, New Zealand.

Ingo Schäfer, MD, MPH, Professor, Department of Psychiatry and Psychotherapy, University Medical Center Hamburg-Eppendorf, University of Hamburg, Hamburg, Germany.
Smith’s Textbook of Endourology, 4th Edition

Arthur D. Smith, Glenn Preminger, Gopal H. Badlani & Louis R. Kavoussi

The most comprehensive textbook in the field edited by the founding father of endourology returns for a new edition. In full colour throughout and packed with surgical teaching videos, this is an essential purchase for all urologists wishing to master their skills.

About the Authors

ARTHUR D. SMITH MD, Chairman Emeritus, The Smith Institute for Urology, Hofstra Northwell School of Medicine, Northwell Health, New York, NY, USA

GLENN M. PREMINGER, MD, Professor of Urology, Duke University Medical Center, Durham, NC, USA

LOUIS R. KAVOUSSI, MD, Chairman of Urology, The Smith Institute for Urology, Hofstra Northwell School of Medicine, Northwell Health, New York, NY, USA

GOPAL H. BADLANI, MD, Professor of Urology and Gynecology, Vice Chair Department of Urology, Wake Forest University, Winston-Salem, NC, USA
The TNM system is the most widely used means for classifying the extent of cancer spread. The *TNM Supplement* includes new, detailed definitions of anatomical sites, regional lymph nodes, and TNM categories. It answers questions that frequently arise during daily use of the TNM system. Importantly, the *TNM Supplement* expands on the minimum requirements for pathological classification of individual tumour sites and enumerates the recommended criteria for each.

**About the Authors**

**Christian Wittekind** MD Professor of Pathology, Chairman Institute of Pathology, University of Leipzig, Germany

**James D Brierley**, BSc, MB, FRCP, FRCR, FRCP Professor, Department of Radiation Oncology Princess Margaret Cancer Centre / University of Toronto Toronto, Ontario, Canada

**Anne W. M. Lee** MD Clinical Professor, Department of Clinical Oncology, The University of Hong Kong, Hong Kong, China

**Elisabeth van Eycken** MD Director, Belgium Cancer Registry, Brussels, Belgium
**Warlow’s Stroke, 4th Edition**

**Practical Management**

Graeme J. Hankey, Malcolm Macleod, Philip B. Gorelick, Christopher Chen, Fan Z. Caprio & Heinrich Mattle

Author’s Previous Titles: Stroke Practical Management, 3rd Edition

The book follows the clinical decision making needed for accurate diagnosis and management of a stroke, with chapters reflecting the questions that need to be answered. This makes the book accessible both to neurology trainees and practitioners.

**About the Authors**

**Graeme J. Hankey** MBBS, MD, FRACP, FRCPE, FAHA, FESO, FAAHMS, Professor of Neurology, Medical School, The University of Western Australia, Perth, Australia; and Consultant Neurologist, Sir Charles Gairdner Hospital, Perth, Western Australia

**Malcolm Macleod** BSc (Hons), MBChB, PhD, FRCP, Professor of Neurology and Translational Neurosciences at the University of Edinburgh, and Honorary Consultant Neurologist and Head of Neurology, NHS Forth Valley, UK

**Philip B. Gorelick** MD, MPH, FACP, FAHA, FAAN, FANA, Professor Translational Science and Molecular Medicine at Michigan State University, Grand Rapids, MI, USA; and Adjunct Professor, Davee Department of Neurology, Northwestern Feinberg School of Medicine, Chicago, IL, USA; and International Fellow, Population Health Research Institute affiliated with McMaster University Faculty of Health Sciences and Hamilton Health Sciences, Hamilton, ON, Canada; and Professor Emeritus, Department of Neurology and Rehabilitation, University of Illinois College of Medicine, Chicago, IL, USA

**Christopher Chen** BA, BMBCh, FRCP, Director, Memory Aging and Associate Professor, Department of Pharmacology, National University of Singapore, Singapore; and Senior Consultant Neurologist, Department of Psychological Medicine, National University Hospital, Singapore

**Fan Z. Caprio** MD, Department of Neurology, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

**Heinrich Mattle** MD, FRCPE, FAHA, FESO, Professor, Senior Consultant, Department of Neurology, University of Bern, Bern, Switzerland
Advances in Integrative Dermatology
Katlein Franca & Torello Lotti
ISBN: 978-1-119-47604-7 • Mar 2019 • 552pp

An authoritative overview of contemporary approaches to integrative skin health

The popularity of integrative medical treatment of skin disorders has increased significantly in recent years—requiring practicing clinicians to keep pace with continuing developments in dermatological research and methods. *Advances in Integrative Dermatology* offers a comprehensive survey of this dynamic field, providing up-to-date information on both preventative and therapeutic approaches to skin health. Combining clinical medicine with complimentary treatment plans, integrative dermatology provides an innovative perspective to individual patient care.

Atlas of the Diabetic Foot, 3rd Edition
Ioanna Eleftheriadou, Alexandros Kokkinos, Stavros Liatis, Konstantinos Makrilakis, Nicholas Tentolouris, Anastasios Tentolouris & Panagiotis Tsapogas

Previous Editions Licensed Polish and Turkish

The revised and updated third edition of the essential guide to the diagnosis and treatment of the diabetic foot

The revised third edition of the *Atlas of the Diabetic Foot* is an updated guide to the information needed for the prevention and treatment of diabetic foot problems with the aim of reducing amputations. In addition to offering the theoretical knowledge, the book is filled with more than 500 color photos from real-life cases. The cases explore a variety of foot issues and the text includes information about differential diagnosis and treatment.

Blandy’s Urology, 3rd Edition
Omar Aboumarzouk
ISBN: 978-1-118-86337-4 • Apr 2019 • 848pp • Previous Edition: 978-0-632-03679-0

*Blandy’s Urology, 3rd Edition* is set to become a classic in its field, the latest edition of one of the most well-loved general urology textbooks for urologists and surgeons alike, successfully combining both general urology and urologic surgery.

Especially loved by urology and surgery trainees for its straightforward approach to the specialty and as a preparation for specialty urology exams, consultants and specialists also value it as a handy refresher tool.

Endovascular Interventions
Jose M. Wiley, Cristina Sanina, Peter Faries, Ian Del Conde, George D. Dangas & Prakash Krishnan
ISBN: 978-1-119-28349-2 • Apr 2019 • 328pp

*Endovascular Interventions* familiarizes the practicing vascular and endovascular specialist with the most common and accepted approach of endovascular management of peripheral vascular disease. The content also addresses urgent interventions in the acute setting of the various vascular beds and covers new and emerging areas, such as: stroke intervention and endovascular treatment of pulmonary embolism and vascular trauma.

Highly illustrated templated chapters offer rapid referral and helpful clinical tools, such as: key learning points, and sample questions and answers make this an ideal resource for people who are seeking certification or recertification of cardiology boards, interventional cardiology boards, or endovascular boards.
Evidence-based Obstetrics and Gynecology
Errol R. Norwitz, Carolyn M. Zelop, David A. Miller & David L. Keefe

Series: Evidence-Based Medicine • ISBN: 978-1-4443-3433-3 • Feb 2019 • 648pp

Author’s Previous Titles Licensed in Obstetrics and Gynecology at a Glance; Obstetric Clinical Algorithms; Obstetric Clinical Algorithms, 2nd edition

The most comprehensive evidence-based guide to both obstetrics and gynecology

Aimed at practicing obstetricians, gynecologists, and trainees in the specialty, Evidence-based Obstetrics and Gynecology concentrates on the clinical practice areas of diagnosis, investigation and management. The first section of the book discusses evidence-based medicine methodology in the context of the two specialties. The second and third sections cover all the major conditions in obstetrics and gynecology, with each chapter reviewing the best available evidence for management of the condition. The chapters are structured in line with EBM methodology, meaning the cases generate the relevant clinical questions.

Healthcare Simulation at a Glance
Kirsty Forrest & Judy McKimm

Series: At a Glance • ISBN: 978-1-118-87184-3 • Jul 2019 • 120

Author’s Previous Titles Licensed in Essential Guide to Educational Supervision in Postgraduate Medical Education; How to Teach Continuing Medical Education; Medical Education at a Glance; Essential Stimulation in Clinical Education; ABC of Geriatric Medicine; How to Assess Doctors and Health Professionals; Essential Guide to Acute Care, 2nd Edition; Essential Guide to Generic Skills

Healthcare Simulation at a Glance provides an accessible overview to key educational aspects of simulation education, and how they relate to simulation in clinical practice and university-based education. Structured into five sections, it begins with an introduction to simulation before moving on to the learning theories that underpin the approaches and how to embed simulation into a programme. Sections 3 and 4 look at the technical and non-technical features of simulation in various contexts, and how it can be used in assessment and providing feedback to health professionals.

Hendee’s Physics of Medical Imaging, 5th Edition
Ehsan Samei & Donald J. Peck


Previous Editions Licensed Simplified Chinese

An up-to-date edition of the authoritative text on the physics of medical imaging, written in an accessible format

The extensively revised fifth edition of Hendee’s Medical Imaging Physics, offers a guide to the principles, technologies, and procedures of medical imaging. Comprehensive in scope, the text contains coverage of all aspects of image formation in modern medical imaging modalities including radiography, fluoroscopy, computed tomography, nuclear imaging, magnetic resonance imaging, and ultrasound.

How to Succeed at Interprofessional Education
Peter Donnelly


Author’s Previous Titles: How to Succeed at E-learning

Healthcare professionals work not only within multidisciplinary teams but also with allied health and non-healthcare professionals. How to Succeed at Interprofessional Education is a practical introduction to the concepts of interprofessional education (IPE) within medicine. It provides the rationale and framework for the effective delivery of IPE in a range of healthcare contexts. The contents include definitions, the evidence that IPE is effective, and the principles to ensure successful delivery. A series of examples of IPE in different clinical settings is described that lead to improved decision making and improved clinical care for patients.
ICF
A Hands-on Approach for Clinicians and Families
Olaf Kraus de Camargo, Liane Simon, Gabriel M. Ronen & Peter L. Rosenbaum
ISBN: 978-1-911612-04-9 • Feb 2019 • 176pp

From time to time in the field of healthcare, an exciting new development emerges to challenge and potentially transform thinking and behavior. The International Classification of Functioning, Disability and Health (ICF) and its framework is undoubtedly one of these transformative resources and is increasingly widely used in the field of childhood disability. This accessible handbook introduces the ICF to professionals working with children with disabilities and their families. It provides a hands-on approach to understanding ICF concepts and how to apply these concepts in all aspects of health care.

The Management of Neuromuscular Disorders in Children
Nicolas Deconinck & Nathalie Goemans
Series: Clinics in Developmental Medicine • ISBN: 978-1-911612-08-7 • Aug 2019 • 368pp

This book is the first to provide comprehensive information in one place on the management of neuromuscular disorders (NMDs) in children. Written by experts from the international NMD community, this volume describes the natural history of the most frequent NMDs, such as Duchenne muscular dystrophy spinal muscular atrophy, hereditary neuropathies, congenital and metabolic neuropathies and myasthenic syndromes. Best practice management of key functions typically affected by NMDs, such as, cognition and mental health, respiratory function, gastrointestinal, nutritional and cardiology management is provided. Sexual issues and transition to adulthood are also discussed.

Medical Statistics at a Glance, 4th Edition
Aviva Petrie & Caroline Sabin

Author’s Previous Titles Licensed in Statistics for Veterinary and Animal Science, 3rd Edition; Medical Statistics at a Glance Text and Workbook
Previous Editions Licensed Japanese, Orthodox Chinese, Greek, Korean, Russian, Spanish, Portuguese, Polish and Kazakh

Now in its fourth edition, Medical Statistics at a Glance is a concise and accessible introduction to this complex subject. It provides clear instruction on how to apply commonly used statistical procedures in an easy-to-read, comprehensive and relevant volume. This new edition continues to be the ideal introductory manual and reference guide to medical statistics, an invaluable companion for statistics lectures and a very useful revision aid.

Medical Student Survival Skills
ECG
Phil Jevon & Jayant Gupta
Series: Medical Student Survival Skills • ISBN: 978-1-118-81817-6 • Apr 2019 • 144pp

Author’s Previous Titles Licensed in Basic Guide to Medical Emergencies in the Dental Practice, 2nd Edition; Basic Guide to Medical Emergencies in Dental Practice; Advanced Cardiac Life Support; Paediatric Advanced Life Support; Clinical Diagnosis; Care of the Dying and Deceased Patient; ECGs for Nurses; Treating the Critically Ill Patient; ECGs for Nurses, 2nd Edition; Monitoring the Critically Ill Patient, 3rd Edition; Nursing Medical Emergency Patients; Clinical Examination Skills; Medicines Management

Medical students encounter many challenges on their path to success, from managing their time, applying theory to practice, and passing exams. The Medical Student Survival Skills series helps medical students navigate core subjects of the curriculum, providing accessible, short reference guides for OSCE preparation and hospital placements. These guides are the perfect tool for achieving clinical success.

Medical Student Survival Skills: ECG is an indispensable resource for students new to ECG interpretation and cardiac arrhythmia recognition and treatment.
Medical Student Survival Skills: Clinical Examination
Phil Jevon, Elliot Epstein, Sarah Mensforth & Caroline MacMahon
Series: Medical Student Survival Skills • ISBN: 978-1-118-84201-0 • Apr 2019 • 160pp

Medical students encounter many challenges on their path to success, from managing their time, applying theory to practice, and passing exams. The Medical Student Survival Skills series helps medical students navigate core subjects of the curriculum, providing accessible, short reference guides for OSCE preparation and hospital placements. These guides are the perfect tool for achieving clinical success.

Medical Student Survival Skills: Clinical Examination provides step-by-step guidance on the physical evaluation of the body and its functions. This portable and concise guide leads readers through each component of a clinical examination, including cardiovascular, respiratory, gastrointestinal and peripheral arterial and venous system exams.

Medical Student Survival Skills: History Taking and Communication Skills
Phil Jevon & Steve Odogwu
Series: Medical Student Survival Skills • ISBN: 978-1-118-86268-1 • Apr 2019 • 224

Medical students encounter many challenges on their path to success, from managing their time, applying theory to practice, and passing exams. The Medical Student Survival Skills series helps medical students navigate core subjects of the curriculum, providing accessible, short reference guides for OSCE preparation and hospital placements. These guides are the perfect tool for achieving clinical success.

Medical Student Survival Skills: History Taking and Communication Skills is a concise and compact guide to obtaining and recording medical histories and achieving positive patient interactions.

Medical Student Survival Skills: Procedural Skills
Phil Jevon & Ruchi Joshi
Series: Medical Student Survival Skills • ISBN: 978-1-118-87057-0 • Apr 2019 • 188

Medical students encounter many challenges on their path to success, from managing their time, applying theory to practice, and passing exams. The Medical Student Survival Skills series helps medical students navigate core subjects of the curriculum, providing accessible, short reference guides for OSCE preparation and hospital placements.

Medical Student Survival Skills: Procedural Skills is the ideal guide for medical students tasked with performing a core set of clinical procedures. A vital part of any medical training, these procedures range from basic body temperature and blood pressure measurements to more advanced arterial blood gas sampling and ophthalmoscopy techniques.

Medical Student Survival Skills: The Acutely Ill Patient
Phil Jevon, Konnur Ramkumar & Emma Jenkinson
Series: Medical Student Survival Skills • ISBN: 978-1-118-90283-7 • Apr 2019 • 196pp

Medical students encounter many challenges on their path to success, from managing their time, applying theory to practice, and passing exams. The Medical Student Survival Skills series helps medical students navigate core subjects of the curriculum, providing accessible, short reference guides for OSCE preparation and hospital placements. These guides are the perfect tool for achieving clinical success.

Medical Student Survival Skills: The Acutely Ill Patient is a concise and portable reference on the management of patients in acute care settings. Managing acutely ill patients can be challenging for many medical students, where quick and decisive decision-making is crucial.
Movement Difficulties and Developmental Disorders
Guidelines for assessment and management
David Sugden & Michael Wade

Author's Previous Titles Licensed in Typical and Atypical Motor Development; Early Years Movement Skills; Children with Developmental Coordination Disorder

This book aims to take readers through the process of working with children, showing movement difficulties from first identification through to support and intervention. It is aimed at professionals such as therapists and teachers, as well as parents who wish to support children with such difficulties. It shows how professionals and parents/carers working together can make relatively simple changes in children’s lives that add up to substantial support. The core of the text is focused on children with developmental coordination disorder, or what is often called ‘dyspraxia’.

Neonatal, Adult and Paediatric Safe Transfer and Retrieval
A Practical Approach to Transfers
Advanced Life Support Group (ALSG)

Neonatal, Adult and Paediatric Safe Transfer and Retrieval is a new and vital instalment in the blended learning course from the Advanced Life Support Group (ALSG), which aims to provide hospital staff at all levels with essential information on the inter- and intra-hospital transfer of both child and adult patients. This essential manual covers the basics of mobile medicine, the elements of transfer, patient and team safety, and the practical and clinical considerations associated with the patient transfer process. Each chapter makes use of checklists, practical examples and content summaries to help readers understand and overcome the challenges of both adult and paediatric patient transfers.
Electrocardiogram in Clinical Medicine

William J. Brady

This book addresses ECG interpretation in basic and advanced areas of education. Furthermore, it offers a focus and perspective from each of the three primary areas of medical care: acute care (office and hospital ward), critical care (ICU, OR, PACU, etc), and emergency care (emergency department, EMS, etc). It can be used in conjunction with ECGs for the Emergency Physician I & II (Mattu and Brady) or as a stand-alone text. The book presents sections on all primary ECG entities (the “medicine”) as well as sections addressing application, devices, and strategies of use (systems and operation). Regarding the medical content of the book, the book addresses acute coronary syndromes and all related issues, other diseases of the myocardium, morphologic syndromes, toxicology, and pediatrics; dysrhythmias will also be covered in detail. The book will contain all ECG information for clinicians in the acute, critical, and emergency care arenas.

About the Authors

William Brady, MD Professor of Emergency Medicine and Medicine, University of Virginia, Charlottesville, VA, USA
Robert Schutt, MD, Hospitalist, University of Virginia
Michal Lapinski, MD, Cardiologist, University of Virginia
Andrew Darby, MD, Cardiologist, University of Virginia
Mark Sochor, MD, Emergency Physician, University of Virginia
Renal Nursing, 5th Edition
Care and Management of People with Kidney Disease
Nicola Thomas

Author’s Previous Titles Licensed in Renal Nursing 4th Edition
Previous Editions Licensed Turkish

Now in its fifth edition, Renal Nursing continues to be the essential evidence-based guide to nephrology and kidney care for nurses and allied health care professionals. This comprehensive text examines the stages of chronic kidney disease, pre-dialysis care, acute kidney injury, renal replacement therapy, renal nutrition, renal care in children and young people and more.

- Offers thorough coverage of all major aspects of kidney care
- Includes updated content on current practice, changes in policies, care and management, with the latest research evidence and current NICE guidance on renal replacement therapy
- Has an innovative chapter on patient and public involvement in kidney care

Renal Nursing is an indispensable resource for nurses working in nephrology, dialysis and transplantation, nurses in post-registration renal courses, student nurses in renal wards, specialist renal dietitians, pharmacists and other allied health professionals in related fields.

About the Author

Professor Nicola Thomas is Professor of Kidney Care, London South Bank University, UK.
Stroke Nursing, 2nd Edition
Jane Williams, Lin Perry & Caroline Watkins

Stroke Nursing is the leading guide for optimal stroke care, facilitating the provision of evidence-based practice across the stroke journey, and covering the sixteen elements of care outlined in the UK's Stroke-Specific Education Framework (SSEF).

Drawing from years of clinical and research experience, the authors provide practical guidance on the essential areas of stroke nursing, including stroke classification, stabilization, thrombolysis and thrombectomy, rehabilitation and recovery, nutrition and oral care, palliative and long-term care, physical impairment management, and more.

Now in its second edition, this indispensable guide helps practitioners expand their knowledge, skills and competence in all areas of stroke nursing services.

- Adopts a practical and evidence-based approach to stroke management, exploring UK and international perspectives
- Authored by expert clinicians and leaders in the field of nursing practice, research and education
- Includes updated case studies and practice examples, expanded coverage of clinical application in practice, and new discussions of the knowledge and skills required by nurses
- Stroke Nursing is essential reading for students of nursing and neuroscience and is the definitive reference for practicing nurses and healthcare professionals caring for stroke patients.

About the Authors

Jane Williams is Clinical Programme Director for Integrated Rehabilitation, Southern Health Foundation Trust, UK.
Lin Perry is Professor of Nursing Research Care, University of Central Lancashire, UK.
Caroline Watkins is Professor of Stroke and Older Peoples’ Care, University of Central Lancashire, UK.
**Physical Assessment for Nurses and Healthcare Professionals, 3rd Edition**
Carol Lynn Cox  
**Author’s Previous Titles Licensed in Physical Assessment for Nurses and Healthcare Professionals, 2nd Edition; Physical Assessment for Nurses and Healthcare Professionals**  
**Previous Editions Licensed Swedish**  
*Physical Assessment for Nurses and Healthcare Professionals* offers a practical and comprehensive guide to best clinical practice when taking patient history and physical examination. This accessible text is structured in accordance with the competencies for advanced practice in assessment, diagnosis and treatment as published by the RCN. Following a systematic, systems-based approach to patient assessment, it includes a summary of the key clinical skills needed to develop and improve clinical examination to confidently assess, diagnose, plan and provide outstanding care.

**Pocket Guide to Physical Assessment**  
Carol Lynn Cox  
ISBN: 978-1-119-10892-4 • Jul 2019 • 352pp  
This valuable guide covers topics including cardiovascular, respiratory, neurological and musculoskeletal system examinations, patient interviews, history-taking and general health assessments. Clear diagrams and checklists illustrate key points, while easy-to-follow instructions and concise descriptions of clinical situations and diseases aid in clinical decision-making.
Blackwell’s Five-Minute Veterinary Consult, 3rd Edition
Equine
Jean-Pierre Lavoie

Written by today’s leading experts, this book keeps practitioners completely current with the latest in disease management of horses, taking a clear and practical approach ideal for daily equine practice. Arranged by subject for efficient searching, each topic covers clinical signs, diagnosis, treatment, and follow-up. Practitioners gain quick access to information about conditions and disorders encompassing behavior, cardiology, dermatology, endocrinology, gastroenterology, hematology, infectious diseases, laboratory tests, musculoskeletal, neonatology, neurology, ophthalmology, respiratory, theriogenology, toxicology, and urinary diseases.

Blackwell’s Five-Minute Veterinary Consult: Equine, Third Edition enhances the practitioner’s skills in evidence-based treatment planning and is unmatched for its comprehensive coverage of more than 500 diseases and conditions. This handy, practical guide will help cut down on time spent navigating through other resources, so that equine veterinarians and veterinary students can study, diagnose, and treat with greater efficacy.

Key Features

• The premier all-in-one equine resource designed specifically for quick information retrieval
• Divided into identically formatted topics for easy searching by alphabetical listing or by body system
• Coverage of more than 500 diseases and conditions
• Fast access to the accumulated wisdom of hundreds of veterinary experts
• Includes a companion website with 43 editable client handouts, 3 video clips, 8 color images, and select further reading

About the Author

Jean-Pierre Lavoie, DVM, DACVIM, is a full professor in Equine Internal Medicine and Associate Dean of Research at the Faculté de Médecine Vétérinaire at the University of Montreal in St-Hyacinthe, Quebec, Canada and an adjunct professor at the Department of Medicine at McGill University in Montreal, Quebec, Canada.
Blackwell’s Five-Minute Veterinary Consult Clinical Companion: Small Animal Gastrointestinal Diseases

Jocelyn Mott & Jo Ann Morrison

Blackwell’s Five-Minute Veterinary Consult Clinical Companion: Small Animal Gastrointestinal Diseases offers a highly accessible resource for the most common and not-so common diseases of the gastrointestinal system, pancreas, liver, and gallbladder in small animals.

- Covers diseases and disorders of the oral cavity and salivary glands, esophagus, stomach, small intestine, colon, anus and perianal region, pancreas, liver, and gallbladder
- Provides a comprehensive yet concise reference to gastrointestinal and hepatologic diseases encountered in daily veterinary practice
- Presents the most important information for each disease in a highly accessible format
- Depicts the clinical conditions discussed with helpful color photographs

About the Authors

Jocelyn Mott, DVM, DACVIM, is an internist and medical director of Pasadena Veterinary Specialists and Clinical Professor of Veterinary Medicine at Western University of Health Sciences in Pomona, California, USA.

Jo Ann Morrison, DVM, MS, DACVIM, is a Senior Manager of Veterinary Relations at Banfield Pet Hospital in Vancouver, Washington, USA.
Clinical Atlas of Canine and Feline Dermatology
Kimberly S. Coyner

Clinical Atlas of Canine and Feline Dermatology presents more than a thousand high-quality color photographs depicting common dermatologic diseases and conditions, making it easy for clinicians to quickly evaluate and accurately identify clinical dermatologic lesions. Easy-to-use charts of dermatologic diseases provide differential diagnoses and treatments, helping practitioners to quickly find the most common differential diagnoses, perform appropriate diagnostics, and treat their patients.

Written by experienced veterinary dermatologists, the book begins with chapters on essential dermatologic diagnostics and identification and interpretation of skin lesions, featuring pictorial illustrations with commentary of the most common causes. Diagnostic algorithms for pruritus and alopecia simplify the workup of these very common presenting symptoms, and easily referenced tables detail the presentation, diagnosis, and management of hundreds of skin diseases. The book also offers a dermatologic formulary including systemic and topical therapies.

- Provides more than 1200 images showing the most encountered dermatologic conditions in dogs and cats
- Includes easy-to-interpret charts of differential diagnoses and treatments
- Offers diagnostic and treatment algorithms for the most common skin diseases in dogs and cats
- Presents details of the presentation, diagnosis, and management of hundreds of skin diseases in tables for quick reference
- Features video clips on a companion website demonstrating dermatologic diagnostic techniques, including skin scrapings and cytology, aspiration of skin masses for cytology, and biopsy

About the Author
Kimberly S. Coyner, DVM, DACVD, is a veterinary dermatologist at Dermatology Clinic for Animals in Lacey, Washington, USA and a consultant for the Veterinary Information Network.
Common Clinical Presentations in Dogs and Cats

Ryane E. Englar

Common Clinical Presentations in Dogs and Cats is a reliable resource and quick reference to essential information for diagnosing canine and feline patients, based on presenting complaints. The text takes a problem-oriented approach to recognizing common clinical conditions and introduces diagnostic and treatment plans for companion animal practice. Equally useful for veterinary students and practicing clinicians, the book presents 78 chapters grouped by body system, for ease of access.

Each chapter focuses on identifying the chief complaint, pinpointing possible diagnoses, and determining the clinical approach to patient care. The book is richly illustrated throughout with clinical photographs and line drawings that demonstrate the concepts presented. Common Clinical Presentations in Dogs and Cats is an essential resource that:

- Gives clinicians fast access to essential details for approaching common case presentations in dogs and cats and forming a correct diagnosis
- Presents information by clinical signs, organized by body system
- Takes a standardized chapter format for ease of use
- Includes color photographs and line drawings to illustrate the conditions discussed

Written for small animal general practitioners and veterinary students, Common Clinical Presentations in Dogs and Cats is a patient-side reference that can help practitioners gain the knowledge and confidence to correctly diagnose a wide range of clinical presentations.

About the Author

Ryane E. Englar, DVM, DABVP (Canine and Feline Practice), is Clinical Assistant Professor and Clinical Education Coordinator at Kansas State University in Manhattan, Kansas, USA.
Diseases of Swine, 11th Edition
Jeffrey J. Zimmerman, Locke A. Karriker, Alejandro Ramirez, Kent J. Schwartz, Gregory W. Stevenson & Jianqiang Zhang

Provides a fully revised Eleventh Edition of the definitive reference to swine health and disease

*Diseases of Swine* covers a wide range of essential topics on swine production, health, and management, with contributions from more than 100 international experts in the field. This revised edition makes information easy to find and includes expanded information on welfare and behavior.

A key reference for anyone involved in the swine industry, *Diseases of Swine, Eleventh Edition*:

- Presents a thorough revision to the gold-standard reference on pig health and disease
- Features full color images throughout the book
- Includes information on the most current advances in the field
- Provides comprehensive information on swine welfare and behavior
- Offers a reorganized format to make the information more accessible

**About the Authors**

Jeffrey J. Zimmerman, DVM, PhD, DACVPM, is Professor of Disease Ecology in the Department of Veterinary Diagnostic and Production Animal Medicine at Iowa State University in Ames, Iowa, USA.

Locke A. Karriker, DVM, MS, DACVPM, is Professor of Veterinary Diagnostic and Production Animal Medicine and Director of the Swine Medicine Education Center at Iowa State University in Ames, Iowa, USA.

Alejandro Ramirez, DVM, MPH, PhD, DACVP, is Associate Professor of Veterinary Diagnostic and Production Animal Medicine at Iowa State University in Ames, Iowa, USA.

Kent J. Schwartz, DVM, MS, is Clinical Professor and Diagnostician at the Iowa State University Veterinary Diagnostic Laboratory in Ames, Iowa, USA.

Gregory W. Stevenson, DVM, PhD, DACVP, is Professor of Veterinary Pathology and Diagnostic Pathologist at Iowa State University in Ames, Iowa, USA.

Jianqiang Zhang, MD, MS, PhD, is Associate Professor of Veterinary Diagnostic and Production Animal Medicine at Iowa State University in Ames, Iowa, USA.
Equine Fracture Repair, 2nd Edition

Alan J. Nixon

Offers a long-awaited Second Edition of this comprehensive, state-of-the-art reference for fracture repair in horses

The Second Edition of *Equine Fracture Repair* has been thoroughly revised and updated to present the most current information on fracture repair in horses. Written to be accessible, the text is logically arranged, presenting the most authoritative information on equine fracture repair with explanations of the expected outcomes. The book provides valuable insight as to whether a fracture should be repaired, the degree of difficulty of the procedure, and a wealth of practical information on surgical techniques. This fully revised Second Edition offers a valuable tool for veterinarians making clinical decisions when faced with horse fractures, covering emergency care and splinting, the most current innovative techniques in equine fracture repair, and new implant systems. With contributions from leading experts in the field, the revised edition continues to be the essential reference to the subject. This essential resource:

- Offers a revised edition of the most comprehensive reference on the repair of fracture in horses, with complete information on patient assessment, emergency splinting and casting, and guidance in treatment choices
- Includes contributions from leading experts in the field
- Presents information organized by fracture type for quick access
- Provides valuable outcome assessment with helpful discussions of the degree of difficulty to aid in case management, incorporating information on the newest techniques and implant systems
- Concludes with extensive information on the identification and management of complications associated with fractures and repair methods

About the Author

**Alan J. Nixon**, BVSc, MS, Diplomate ACVS, is a Professor of Orthopedic Surgery and Director of the Comparative Orthopaedics Laboratory at Cornell University in Ithaca, New York, USA, and orthopedic surgeon at the Cornell Ruffian Equine Specialists private practice in New York City, New York, USA.
Fracture Management for the Small Animal Practitioner
Anne M. Sylvestre

*Fracture Management for the Small Animal Practitioner* offers practical strategies and helpful approaches for managing fractures in dogs and cats.

- Contains all the information needed to successfully manage the most common fractures in dogs and cats
- Emphasizes clinically oriented tips for treating fractures from experienced surgeons
- Offers an abundance of color photographs to illustrate the techniques

About the Author
Anne M. Sylvestre, DVM, DVSc, CCRP, DACVS, DECVS, is a Surgeon at the Mississauga Oakville Veterinary Emergency and Referral Hospital in Oakville, Ontario, Canada.
Laser Surgery in Veterinary Medicine
Christopher J. Winkler

This book is a state-of-the-art reference to using surgical lasers to treat animal patients. Encompassing theory and practice, it emphasizes procedures, techniques, and equipment, with specific recommendations for laser settings. While most of the procedures emphasize surgeries on dogs and cats, this practical guide also dedicates chapters to equine, small mammal, avian, aquatic animal, and reptile surgeries, making it an excellent clinical reference for any busy veterinarian.

The book begins with background information on the theory and science of laser surgery, then details specific surgical procedures with step-by-step instructions and accompanying photographs. The next section provides practical guidance for incorporating lasers into the veterinary practice, and the final section offers a look at the future of lasers in veterinary medicine and surgery. A companion website features video clips of surgery procedures.

- Presents a state-of-the-art guide to using laser surgery in veterinary practice, from theory and procedures to techniques and equipment
- Focuses on dogs and cats, including specialties such as ophthalmic laser surgery, laser neurosurgery, and photodynamic therapy, with chapters on equine, small mammal, avian, aquatic animal, and reptile surgeries
- Draws on the experience of more than 20 experts in various areas
- Provides practical advice for incorporating laser surgery into the veterinary practice, with the heart of the book devoted to specific surgical procedures
- Includes specific recommendations for laser settings and techniques for the procedures discussed
- Offers video clips demonstrating surgical techniques on a companion website

About the Author

Christopher J. Winkler, DVM, DABLS, VMLSO, is a general practice veterinarian and veterinary laser surgeon at Suffolk Veterinary Group Animal Wellness and Laser Surgery Center in Selden, New York, USA.
Small Animal Dental Equipment, Materials, and Techniques
Jan Bellows

The second edition of Small Animal Dental Equipment, Materials, and Techniques has been revised and updated to reflect the latest developments in veterinary dental practice.

- Provides a comprehensive resource for integrating dental services into veterinary practice
- Offers valuable advice on selecting dental equipment and materials
- Presents clear descriptions for a range of dental terms and techniques
- Includes a wealth of new images
- Highlights dental information applicable to general practice

About the Author

Jan Bellows, DVM, is a dental and companion animal specialist seeing dental referrals at Hometown Animal Hospital and Dental Clinic in Weston, Florida, USA.
Small Animal Dermatology
What’s Your Diagnosis?
Jane Coatesworth

Small Animal Dermatology: What’s Your Diagnosis? provides practical information in an easy-to-reference, well-illustrated format, so that students and practicing veterinarians can develop their clinical dermatology skills and test their knowledge. It offers current diagnostic and therapeutic information on small animal skin diseases through real-world clinical cases. Organized by presenting complaint, each clinical problem is covered through case material and questions revolving around differential diagnoses, diagnostic tools, and treatment planning.

Small Animal Dermatology: What’s Your Diagnosis? features actual clinical cases that demonstrate common clinical presentations. It covers both common and uncommon dermatologic problems, such as alopecia, changes in skin pigmentation, causes of itch, and more. Designed to enhance clinical problem-solving skills, the book can be approached as a series of mini challenges, making it an excellent primer for new clinicians as well as a resource for seasoned veterinarians.

- Provides information on diagnosing and treating small animal skin disease in a clinically relevant, case-based format
- Offers questions with detailed answers to enhance knowledge of differential diagnoses, diagnostic tools, and treatment options
- Takes a problem-based approach to the subject
- Helps practitioners and students to develop diagnostic and therapeutic skills and gain confidence
- Discusses dermatologic diseases ranging from common to rare

About the Author

Jane Coatesworth, M.A., Vet.M.B., Cert.V.D., MRCVS, RCVS, Advanced Practitioner in Veterinary Dermatology, is Head of Dermatology at the Animal Health Trust in Newmarket, Suffolk, United Kingdom.
Veterinary Medical Terminology Guide and Workbook, 2nd Edition

Angela Taibo

Designed to be both comprehensive and user-friendly, the text offers easy-to-understand explanations of medical terminology and contains helpful learning features such as tips, case studies, and review questions.

- Describes medical terms with easy-to-understand explanations and phonetic spellings
- Offers an updated edition of this practical guide to veterinary medical terminology
- Contains real-world case studies, word lists, and review questions that are designed to promote active learning
- Includes new chapters on medical reports and case studies and large animals, as well as helpful memorization features
- Provides access to a companion website with images, audio clips, flash cards, and other helpful learning tools

About the Author

Angela Taibo, AAS, BS, CVT, is an instructor at the Bel-rea Institute of Animal Technology in Denver, Colorado, USA.
Veterinary Oral and Maxillofacial Pathology
Brian G. Murphy, Cynthia M. Bell & Jason Soukup

Veterinary Oral and Maxillofacial Pathology focuses on methods for establishing a diagnosis and set of differential diagnoses.

- Provides the only text dedicated solely to veterinary oral and maxillofacial pathology
- Guides the pathologist through the thought process of diagnosing oral and maxillofacial lesions
- Focuses on mammalian companion animals, including dogs, cats and horses, with some coverage of ruminants, camelids, and laboratory animal species
- Features access to video clips narrating the process of histological diagnosis on a companion website

About the Authors

Brian G. Murphy, DVM, PhD, DACVP, is an Associate Professor at the University of California, Davis, in Davis, California, USA.

Cynthia M. Bell, DVM, DACVP, is an Associate Professor at the Kansas State University in Manhattan, Kansas, USA.

Jason Soukup, DVM, DACVD, is an Associate Professor of Dentistry and Oral Surgery at the University of Wisconsin, Madison, in Madison, Wisconsin, USA.
Driven by Data 2.0
A Practical Guide to Improve Instruction
Paul Bambrick-Santoyo

Author’s Previous Titles
Leverage Leadership 2.0; A Principal Manager’s Guide to
Leverage Leadership 2.0; Leadership 2.0; Get Better Faster

The bestselling guide for school leaders—updated in a new edition
Data-driven instruction is the philosophy that schools should focus on two simple
questions: how do you know if students learning? And when they are not, what do
you do about it?

Driven by Data 2.0 is a practical guide that answers these questions to empower schools
to achieve significant gains in student achievement. Rooted in a proven framework that
has been implemented in thousands of schools, the book presents what makes schools
successful along with tools to put the framework into place to make data work for your
schools:

- Assess—set the roadmap for learning
- Analyze—identify why students struggle
- Act—teach more effectively what students need
- Build the culture—train and develop your staff so that data-driven instruction can
  thrive

If you’re a K-12 leader, coach, or teacher looking to implement data-driven instruction
in your school district, Driven by Data 2.0 has the tools to train your staff: professional
development materials (NF), videos of exemplar practice and all the resources you need
to achieve remarkable results.

About the Author
Paul Bambrick-Santoyo (Montclair, NJ) is the Chief Schools Officer for High Schools and
K-12 Content Development.
If You Don’t Feed the Students, They Starve
Improving Attitude and Achievement through Positive Relationships
Neila A Connors

Award-winning teacher Neila A. Connors shares her secrets for creating positive classroom relationships.

From the author of the best-selling *If You Don’t Feed the Teachers, They Eat the Students*, comes an innovative resource for all who work with pre-K through 12th grade students. Neila Connors presents a wealth of strategies and techniques to help teachers develop, maintain, and sustain positive student relationships. *If You Don’t Feed the Students* offers practical, common sense methods for improving classroom performance, served up in an engaging and entertaining manner.

- Unique, classroom tested strategies for validating all students to help them succeed in the classroom
- Proven approaches that will benefit teachers, student teachers, and school administrators alike

In this fun, must-have resource, Connors reveals how empowering students creates a climate of care and compassion and improves everyone’s attitudes and achievement.

About the Author

Neila A. Connors has been an elementary teacher, a middle level teacher and administrator, and a high school advanced placement coordinator.
Mindset Mathematics
Visualizing and Investigating Big Ideas, Grade 7
Jo Boaler, Jen Munson & Cathy Williams

Engage students in mathematics using growth mindset techniques
The most challenging parts of teaching mathematics are engaging students and helping them understand the connections between mathematics concepts. In this volume, you’ll find a collection of low floor, high ceiling tasks that will help you do just that, by looking at the big ideas at the seventh-grade level through visualization, play, and investigation.

During their work with tens of thousands of teachers, authors Jo Boaler, Jen Munson, and Cathy Williams heard the same message—that they want to incorporate more brain science into their math instruction, but they need guidance in the techniques that work best to get across the concepts they needed to teach. So the authors designed Mindset Mathematics around the principle of active student engagement, with tasks that reflect the latest brain science on learning. Open, creative, and visual math tasks have been shown to improve student test scores, and more importantly change their relationship with mathematics and start believing in their own potential. The tasks in Mindset Mathematics reflect the lessons from brain science that:

- There is no such thing as a math person - anyone can learn mathematics to high levels.
- Mistakes, struggle and challenge are the most important times for brain growth.
- Speed is unimportant in mathematics.
- Mathematics is a visual and beautiful subject, and our brains want to think visually about mathematics.

With engaging questions, open-ended tasks, and four-color visuals that will help kids get excited about mathematics, Mindset Mathematics is organized around nine big ideas which emphasize the connections within the Common Core State Standards (CCSS) and can be used with any current curriculum.

About the Authors
Dr. Jo Boaler is a professor of mathematics education at Stanford University.
Cathy Williams is the co-founder and the executive director of youcubed.
Jen Munson is an independent consultant and Stanford doctoral student.
Powerful Teaching
Unleash the Science of Learning
Pooja Agarwal & Patrice Bain

Unleash powerful teaching and the science of learning in your classroom

Powerful Teaching: Unleash the Science of Learning empowers educators to harness rigorous research on how students learn and unleash it in their classrooms. In this book, cognitive scientist Pooja K. Agarwal, Ph.D., and veteran K-12 teacher Patrice M. Bain, Ed.S., decipher cognitive science research and illustrate ways to successfully apply the science of learning in classrooms settings. This practical resource is filled with evidence-based strategies that are easily implemented in less than a minute—without additional prepping, grading, or funding!

Research demonstrates that these powerful strategies raise student achievement by a letter grade or more; boost learning for diverse students, grade levels, and subject areas; and enhance students’ higher order learning and transfer of knowledge beyond the classroom. Drawing on a fifteen-year scientist-teacher collaboration, more than 100 years of research on learning, and rich experiences from educators in K-12 and higher education, the authors present highly accessible step-by-step guidance on how to transform teaching with four essential strategies: Retrieval practice, spacing, interleaving, and feedback-driven metacognition.

With Powerful Teaching, you will:

- Develop a deep understanding of powerful teaching strategies based on the science of learning
- Gain insight from real-world examples of how evidence-based strategies are being implemented in a variety of academic settings
- Think critically about your current teaching practices from a research-based perspective
- Develop tools to share the science of learning with students and parents, ensuring success inside and outside the classroom

About the Authors

Pooja K. Agarwal, Ph.D. is an expert in the field of cognitive science, and an Assistant Professor at the Berklee College of Music in Boston, teaching psychological science to exceptional undergraduate musicians.

Patrice M. Bain, Ed.S., is a middle school teacher with over 25 years of expertise.
**Small Teaching Online**

*Applying Learning Science in Online Classes*

Flower Darby & James M. Lang


Find out how to apply learning science in online classes

The concept of small teaching is simple: small and strategic changes have enormous power to improve student learning. Instructors face unique and specific challenges when teaching an online course. This book offers small teaching strategies that will positively impact the online classroom.

This book outlines practical and feasible applications of theoretical principles to help your online students learn. It includes current best practices around educational technologies, strategies to build community and collaboration, and minor changes you can make in your online teaching practice, small but impactful adjustments that result in significant learning gains.

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**HISTORY**

**Archaeological Theory, 3rd Edition**

*An Introduction*

Matthew Johnson


Author’s Previous Titles Licensed in Archaeological Theory; Archaeological Theory 2nd edition; Ideas of Landscape; An Archaeology of Capitalism

Previous Editions Licensed in Greek, Korean, Japanese, Polish, Spanish, Serbian and Simplified Chinese

The most current and comprehensive introduction to the field available. Thoroughly revised and updated, this engaging text offers students an ideal entry point to the major concepts and ongoing debates in archaeological research. Examines theory across the English-speaking world and beyond.

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**Archaic Greece**

Brian Lavelle

ISBN: 978-1-4051-9860-8 • Apr 2019 • 280pp

An introductory guide to the Archaic period in ancient Greece. Excerpts from literary and other texts give voice to the interests, concerns, and emotions of the Archaic Greeks themselves.

This book provides a brief introduction to the society and culture of the Archaic period in the Greek world from c. 750 to c. 480 BCE. It focuses on the persistent and often-conflicting themes, topics, and controversies of the Archaic Age. It seeks to lead the reader to a broader and deeper understanding of the period by placing themes and topics in a mutually supportive contextual network that will underscore their significance.

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**Being Elizabethan**

Norman Jones

ISBN: 978-1-119-16824-9 • Apr 2019 • 360pp

Author’s Previous Titles Licensed in The English Reformation; The Birth of the Elizabethan Age; A Companion to Tudor Britain

Captures the worldviews, concerns, joys, and experiences of people living through the cultural changes in the second half of the sixteenth century and the early seventeenth century, Shakespeare’s age.

Elizabethans lived through a time of cultural collapse and rejuvenation as the impacts of globalization, the religious Reformation, economic and scientific revolutions, wars, and religious dissent forced them to reformulate their ideas of God, nation, society and self. This well-written, accessible book depicting how Elizabethans perceived reality and acted on their perceptions illustrates Elizabethan life, offering readers well-told stories about the Elizabethan people and the world around them.
Literary Study of the Bible
An Introduction
Christopher Hodgkins
ISBN: 978-1-4443-3494-4 • TBA • 400pp

The most comprehensive and accessible introduction to scriptural art yet written

Literary Study of the Bible: An Introduction approaches each book of the Bible (including several of the apocrypha) with non-sectarian literary questions, exploring the meanings that the Bible reveals when we read it like a poem, narrative, or play. As a unique hybrid of introductory guide, essential handbook, historical survey, and absorbing commentary, this book fills a gap in literary Bible study with its fresh perspectives on the biblical writers’ many arts. Readers will engage in wide range of textual approaches and interpretive traditions through this broadly informed, accessibly written text.

People of Faith
A History of Western Christianity
Edith L. Blumhofer
ISBN: 978-1-4051-3249-7 • Mar 2019 • 272pp

People of Faith is a concise introduction to the history of Christianity as it has been lived and practiced. Beginning at the time of the New Testament the book moves chronologically through the main periods of Christianity, showing how history and belief have been shaped by the many diverse voices attempting to define the faith.

The Acts of the Apostles Through the Centuries
Heidi J. Hornik & Mikeal C. Parsons

Charting the theological and cultural potency of Acts across the timespan of Christian history, this work of profound scholarship reveals the full extent of the New Testament book’s religious, artistic, literary, and political influence.

The Roman Republic in the Hellenistic Mediterranean
From Alexander to Caesar
Joel W. Allen
ISBN: 978-1-118-95934-3 • May 2019 • 280pp

Presents a history of the Roman Republic within the wider Mediterranean world, focusing on 330 to 30 BCE

Broad in scope, this book uniquely considers the history of the Roman Republic in tandem with the rich histories of the Hellenistic kingdoms and city-states that endured after the death of Alexander the Great. It provides students with a full picture of life in the ancient Mediterranean world and its multitude of interconnections—not only between Rome and the Greek East, but also among other major players, such as Carthage, Judaea, and the Celts.
The Walls of Jerusalem
Preserving the Past, Controlling the Future
Alan Balfour
ISBN: 978-1-119-18229-0 • Mar 2019 • 376pp

Author's Previous Titles Licensed in Solomon's Temple

A complete examination of the men and forces that created and shaped the modern state of Israel over the last hundred years

The Walls of Jerusalem is a study of the creation and evolution of the modern state of Israel. This unique work begins with the actions of four extraordinary men—Theodor Herzl, Chaim Weizmann, Ze'ev Jabotinsky, and David Ben-Gurion—and follows their influence on subsequent leaders and on the political and military decisions that have shaped and changed Jerusalem and the nation.

Women in Classical Antiquity
From Birth to Death
Laura K. McClure
ISBN: 978-1-118-41351-7 • Apr 2019 • 304pp

Author's Previous Titles Licensed in A Companion to Euripides; Sexuality and Gender in the Classical World

An introduction to women and gender in the classical world that draws on the most recent research in the field

Women in Classical Antiquity focuses on the important objects, events and concepts that combine to form a clear understanding of ancient Greek and Roman women and gender. Drawing on the most recent findings and research on the topic, the book offers an overview of the historical events, values, and institutions that are critical for appreciating and comparing the life situations of women across both cultures.

World War II in Global Perspective, 1931-1953
A Short History
Andrew Buchanan
Series: Wiley Short Histories • ISBN: 978-1-119-36609-6 • Apr 2019 • 256pp

Author's Previous Titles Licensed in Structural Design for Fire Safety; Structural Design for Fire Safety, Second Edition

A comprehensive review of World War II that offers a global-level analysis

Written for academics and students of history, World War II in Global Perspective, 1931-1953 presents a dynamic and global account of the historical events prior to, during, and after World War II. The author—a noted expert on the topic—explores the main theaters of the war and discusses the connections between them. He also examines the impact of the war on areas of the world that are often neglected in historical accounts, including Latin America, sub-Saharan Africa, and the so-called “neutral” countries.

Communication in Times of Trouble
Matthew W. Seeger & Timothy L. Sellnow
ISBN: 978-1-119-22924-7 • Apr 2019 • 152pp

Author's Previous Titles Licensed in The Handbook of International Crisis Communication Research; Theorizing Crisis Communication

Presents the best practices of crisis communication and emergency risk communication

This book covers crisis communication strategies and focuses on practical applications for effective management. It includes an extensive discussion of best practices in pre-crisis, crisis and post crisis stages. The book pays special attention to the needs of meeting the needs of diverse audiences and communicating in a responsive and responsible way. The principles are appropriate for many kinds of events including earthquakes, tornados, hurricanes, tsunamis, epidemics, and pandemics as well as industrial accidents, toxic spills, transportation disasters, fires and intentional events.
**Leadership in the Creative Industries**
Principles and Practice
Karen L. Mallia
ISBN: 978-1-119-33400-2 • Apr 2019 • 304pp

A groundbreaking book that explores the theory and practice of leading in the creative workplace
Leadership in the Creative Industries is a much-needed guide to the theory and practice of the creative leadership skills that are essential to lead effectively in creative fields. As the growth of creative industries continues to surge and "noncreative" businesses put increasing emphasis on creativity and innovation, this book offers a practical resource that explores how to confidently lead a workforce, creatively.

**Organizational Change, 2nd Edition**
Creating Change Through Strategic Communication
Laurie Lewis

A comprehensive guide to essential theories and practices of change creation and implementation
Organizational Change provides an essential overview to implementing deliberate and focused change through effective communication strategies. Author Laurie Lewis integrates academic rigor with real-world case studies to provide a comprehensive examination of both theoretical and pragmatic approaches to alterations and modifications of organizational structures. Emphasizing the importance of formal and informal communication in implementation of change, this text investigates methods of information dissemination and examines various channels for communicating change.

**Persona Studies**
An Introduction
P. David Marshall, Christopher W. Moore & Kim Barbour
ISBN: 978-1-118-76889-1

The definitive and first major text on personas in contemporary culture
Modern social media and communication technologies have reshaped our identities and transformed contemporary culture, revealing an expanded and intensified reforming of our collective online behavior. Billions of people worldwide are increasingly engaged in the production, presentation, and modification of their public selves–curating personas through various social media and fundamentally altering how we interact in the twenty-first century filling a gap in current knowledge, Persona Studies: An Introduction is the first major work to examine the construction, delivery, and curation of public identities in contemporary online culture.

**Public Relations Theory**
Application and Understanding
Brigitta R. Brunner
ISBN: 978-1-119-37311-7 • Jul 2019 • 262pp

The comprehensive guide to applied PR theory in the 21st century
Public Relations Theory explores the central principles and theoretical components of public relations and their practical applications in actual situations. This informative text helps readers understand concepts, approaches, and perspectives of PR theory and learn development methods, implementation strategies, and management techniques. Chapters written by recognized experts on each topic provide readers with knowledge on how, when, and why appropriate theories are applied. Focusing on how organizations and individuals integrate theory in a public relations framework, each chapter explains one function, provides an example of the function in practice, and offers discussion questions.
Qualitative Research Methods, 2nd Edition
Collecting Evidence, Crafting Analysis, Communicating Impact
Sarah J. Tracy
ISBN: 978-1-119-39078-7 • May 2019 • 420pp

Author’s Previous Titles Licensed in Qualitative Research Methods
The definitive step-by-step resource for qualitative and ethnographic research

Qualitative Research Methods: Collecting Evidence, Crafting Analysis, Communicating Impact is a comprehensive guide on both the theoretical foundations and practical application of qualitative methodology. Adopting a phronetic-iterative approach, this foundational book leads readers through the chronological progression of a qualitative research project, from designing a study and collecting and analyzing data to developing theories and effectively communicating the results—allowing readers to employ qualitative methods in their projects as they follow each chapter.

Transnational Media
Concepts and Cases
Rebecca Kern & Suman Mishra
ISBN: 978-1-119-39459-4 • Jul 2019 • 256pp

A broad and accessible introduction to national and transnational media

Transnational Media: Concepts and Cases provides a clear and engaging overview of media communication from a global and region-based perspective. Rather than focusing on complex theories and industry-specific analyses, this unique book offers an inclusive, comparative approach to both journalism and entertainment media—introducing readers to the essential concepts, systems, transnational influences, and power dynamics that shape global media flow. Broad coverage of different media forms from Asia, Africa, the Americas, Europe, and Oceania offers country-based and transnational perspectives while highlighting examples of different media trends.

Space and Sound in the British Parliament, 1399 to the Present
Architecture, Access and Acoustics
J.P.D. Cooper & Richard A. Gaunt

This special issue of Parliamentary History explores the relationship between spaces, soundscapes and political culture in the British Parliament between the late fourteenth century and the present day.

Studying Early Printed Books, 1450-1800
A Practical Guide
Sarah Werner
ISBN: 978-1-119-04996-8 • Feb 2019 • 216pp

A comprehensive resource to understanding the hand-press printing of early books

Studying Early Printed Books, 1450 - 1800 offers a guide to the fascinating process of how books were printed in the first centuries of the press and shows how the mechanics of making books shapes how we read and understand them. The author offers an insightful overview of how books were made in the hand-press period and then includes an in-depth review of the specific aspects of the printing process.
**The Sourcebook of Listening Research**
Methodology and Measures  
Debra L. Worthington & Graham D. Bodie  
ISBN: 978-1-119-10308-0 • Jun 2019 • 416pp

Winner of the 2018 Distinguished Book Award from the Communication and Social Cognition Division of the National Communication Association.

Essential reading for listening researchers across a range of disciplines, *The Sourcebook of Listening Research: Methodology and Measures* is a landmark publication that defines the field of listening research and its best practices.

**PHILOSOPHY**

**Aesthetics, 2nd Edition**  
The Classic Readings  
David E. Cooper  
ISBN: 978-1-119-11680-6 • Apr 2019 • 320pp

The newly expanded and revised edition of this bestselling anthology features a comprehensive collection of classic writings on aesthetics. With excerpts from Plato’s Republic and Kant’s Critique of Judgement, as well as complete essays by Hume on taste and Tolstoy on art, this collection includes the main texts of the philosophical canon. Expanding its scope beyond the Western tradition, the collection also includes several important texts from Asian traditions of aesthetics, including writings by Mo Tzu, Shih-t’ao and JunichirÅ—Tanizaki. The new edition includes an introduction to aesthetics written by the editor as well as prefaces to each text that make the topics accessible to students at all levels.

**Batman and Ethics**  
Mark D. White  
ISBN: 978-1-119-03802-3 • Apr 2019 • 280pp

*Batman and Ethics* goes behind the mask to shed new light on the complexities and contradictions of the Dark Knight’s moral code. From the logic behind his aversion to killing to the moral status of vigilantism and his use of torture in pursuit of justice (or perhaps revenge), Batman’s ethical precepts are compelling but often inconsistent and controversial. Philosopher and pop culture expert Mark D. White uses the tools of moral philosophy to track Batman's most striking ethical dilemmas and decisions across his most prominent storylines from the early 1970s through the launch of the New 52, and suggests how understanding the mercurial moral character of the caped crusader might help us reconcile our own.

**Berkeley**  
Margaret Atherton  
ISBN: 978-1-4051-4916-7 • Apr 2019 • 240pp

As one of the leading thinkers of the early modern period, George Berkeley revolutionized metaphysical thought through his arguments in defense of idealism – the belief that there is no reality outside of ideas and minds and thus no material reality. By contrast to his philosophical predecessors and contemporaries, most notably Locke and Descrates, Berkeley refused the more popular notions of materialism and dualism, and in so doing, developed a defense against skepticism as well as one of the most remarkable and enduring arguments for the existence of God.
Contemporary Debates in Philosophy of Religion, 2nd Edition
Michael L. Peterson & Raymond J. Vanarragon


Author’s Previous Titles Licensed in Contemporary Debates in Philosophy of Religion

Lively debates on controversial questions about the nature of God and religion — an updated edition of the bestselling book

Offering consideration to questions of both emerging and perennial interest, the essays in this book offer careful evaluation to the major arguments that underlie the key questions in the modern academic community. This updated second edition offers new chapters on questions that have received recent attention in the philosophy of religion. This volume comes as a welcome contribution to academic discussion, defining classic and contemporary issues and illuminating the path for further research.

Blackwell Readings in Philosophy series, History of Ethics
Essential Readings with Commentary
Daniel Star & Roger Crisp

ISBN: 978-1-4051-9388-7 • Apr 2019 • 496pp

As the most recent addition to the Blackwell Readings in Philosophy series, History of Ethics: Essential Readings with Commentary provides an essential review of the most important questions in the history of ethics. Is there an objective standard for moral behavior? How can we negotiate our own needs with the needs of the community? How do specific contemporary issues like abortion and animal rights complicate our belief systems? Through a carefully-selected set of critical essays, each supported by insightful commentary and instructive context from two of the leading scholars in the field, this collection chronicles the evolution of ethics as a discipline largely concerned with studying the behaviors of individuals and groups to the emergence of metaethical, normative, and applied questions on the formulations, nature, psychology, and language of moral thought.

The Philosophy of Science
Metaphysical and Epistemological Foundations
Ned Hall

Series: Fundamentals of Philosophy • ISBN: 978-1-4051-2499-7 • Apr 2020 • 256pp

With authoritative and original insights, The Philosophy of Science: Metaphysical and Epistemological Foundations explores some of the fundamental questions relating to metaphysics and the philosophy of science, such as:

• Integrates metaphysics with the philosophy of science
• Provides a unique philosophical viewpoint
• Areas covered include classical particle mechanics, scientific physical modalities and the laws of nature, the scientific and manifest images, scientific explanations, and the nature of time
• Offers an accessible introduction to a challenging topic

Handbook of Health Social Work, 3rd Edition
Sarah Gehlert & Teri Browne


Author’s Previous Titles Licensed in Handbook of Health Social Work, Second Edition; Handbook of Health Social Work; Handbook of Health Social Work

Previous Editions Licensed in Korean and Simplified Chinese

The updated third edition of the definitive text on health social work

Thoroughly revised and updated, the third edition of Handbook of Health Social Work is an authoritative text that offers a comprehensive review of the diverse field of health social work. With contributions from a panel of international experts in the field, the book is theory driven and solidly grounded in evidence-based practice. The contributors explore both the foundation of social work practice and offer guidance on effective strategies, policies, and program development.
This innovative new handbook offers a comprehensive overview of the ways in which domestic education policy is framed and influenced by global institutions and actors.
Essentials of School Neuropsychological Assessment, 3rd Edition

Daniel C. Miller, Denise E Maricle, Alan S. Kaufman & Nadeen L. Kaufman

A concise, up-to-date review of school neuropsychological assessment that covers effective treatment planning

The third edition of *Essentials of School Neuropsychological Assessment* offers a practical and concise overview of neuropsychological practice in schools and other pediatric clinical settings and clearly explains how to identify the need for testing. The book shows how to collect a neurodevelopmental history, choose appropriate assessment instruments, effectively evaluate students, and accurately interpret results. The third edition has been revised and updated to include the most recent advances in the field such as major neuropsychological test batteries for children, including NEPSY-II, Wechsler Intelligence Scale for Children, Fifth Edition integrated, and Delis-Kaplan Executive Function System. In addition, the new edition contains updated online tools, including sample case studies, searchable databases of neuropsychological tests classified by processing area and conceptual model, a neuropsychological processing concerns checklist in both English and Spanish, and sample report shells with tables.

Like all the volumes in the *Essentials of Psychological Assessment* series, this book is designed to help busy practitioners and school psychologists quickly acquire the knowledge and skills they need to make optimal use of major psychological assessment instruments. Each concise chapter features numerous callout boxes highlighting key concepts, bulleted points, and extensive illustrative material, as well as test questions that help you gauge and reinforce your grasp of the information covered.

About the Authors

**DR. DANIEL C. MILLER** is the President and Owner of KIDS, Inc., and he is the Director of the School of Neuropsychology Post-Graduate Certification Program.

**DR. DENISE E. MARICLE** is a Professor in the School Psychology Program, and an affiliated faculty member with the Woodcock Institute for the Advancement of Neurocognitive Research and Applied Practice, at Texas Woman's University in Denton, Texas.
Counseling the Culturally Diverse, Eighth Edition
Theory and Practice
Derald Wing Sue, David Sue, Helen A. Neville & Laura Smith

Author’s Previous Titles Licensed in Race Talk and the Conspiracy of Silence; Counseling the Culturally Diverse; Microaggressions and Marginality; Microaggressions in Everyday Life; Overcoming Our Racism; Filipino American Psychology; Strategies for Building Multicultural Competence in Mental Health and Educational Settings; Counseling the Culturally Diverse; Multicultural Social Work Practice; Case Studies in Multicultural Counseling and Therapy; Microagression Theory; Handbook of Multicultural Counseling Competencies

A brand new, fully updated edition of the most widely-used, frequently-cited, and critically acclaimed multicultural text in the mental health field

This fully revised, 8th edition of the market-leading textbook on multicultural counseling comprehensively covers the most recent research and theoretical formulations that introduce and analyze emerging important multicultural topical developments. It examines the concept of “cultural humility” as part of the major characteristics of cultural competence in counselor education and practice; roles of white allies in multicultural counseling and in social justice counseling; and the concept of “minority stress” and its implications in work with marginalized populations.

Helping Women Recover
A Program for Treating Addiction, 3e Facilitator’s Guide
Stephanie S. Covington

Author’s Previous Titles Licensed in A Woman’s Journal - Helping Women Recover; Beyond Violence
Since it was first published in 1999, Helping Women Recover has set the standard for best practice in the field of women’s treatment. Helping Women Recover is based on Dr. Covington’s Women’s Integrated Treatment (WIT) model. It offers a program specifically designed to meet the unique needs of women who are addicted to alcohol and other drugs or have co-occurring disorders. This thoroughly revised and updated edition includes new coverage on opioid addictions, becoming trauma informed and trauma responsive, LBGTQ, and increased coverage on various religious traditions including Judaism, Hinduism and Islam.

Helping Women Recover
A Program for Treating Addiction, Special Edition for Use in the Criminal Justice System, 3e Facilitator’s Guide
Stephanie S. Covington

Author’s Previous Titles Licensed in A Woman’s Journal - Helping Women Recover; Beyond Violence
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A guide to an evidence-based approach for teaching college-level psychology courses

Teaching Psychology offers an evidence-based, student-centered approach that is filled with suggestions, ideas, and practices for teaching college-level courses in ways that contribute to student success. The authors draw on current scientific studies of learning, memory, and development, with specific emphasis on classroom studies. The authors offer practical advice for applying scholarly research to teaching in ways that maximize student learning and personal growth. The authors endorse the use of backward course design, emphasizing the importance of identifying learning goals (encompassing skills and knowledge) and how to assess them, before developing the appropriate curriculum for achieving these goals. Recognizing the diversity of today’s student population, this book offers guidance for culturally responsive, ethical teaching.

The text explores techniques for teaching critical thinking, qualitative and quantitative reasoning, written and oral communication, information and technology literacy, and collaboration and teamwork. The authors explain how to envision the learning objectives teachers want their students to achieve and advise how to select assessments to evaluate if the learning objectives are being met.

Teaching Psychology offers an essential guide to evidence-based teaching and provides practical advice for becoming an effective teacher. This book is designed to help graduate students, new instructors, and those wanting to update their teaching methods.

About the Authors

JILLIAN GROSE-FIFER, PhD, is a cognitive neuroscientist and Associate Professor of Psychology at John Jay College of Criminal Justice and The Graduate Center, City University of New York (CUNY).

PATRICIA J. BROOKS, PhD, is a developmental psychologist and Professor of Psychology at the College of Staten Island and The Graduate Center, City University of New York (CUNY).

MAUREEN O’CONNOR, PhD, JD, is President of Palo Alto University (PAU), an institution dedicated to education and research in psychology and counseling.
Wittgenstein: Meaning and Mind (Volume 3 of an Analytical Commentary on the Philosophical Investigations), Part 1: Essays

P. M. S. Hacker

Author’s Previous Titles Licensed in The Passions; The Intellectual Powers; Human Nature; Wittgenstein - Mind and Will; Wittgenstein’s Place in Twentieth-Century Analytic Philosophy; History of Cognitive Neuroscience; Philosophical Foundations of Neuroscience; Philosophical Investigations

Wittgenstein: Meaning and Mind, Part I – Essays comprehensively surveys all the major topics discussed in Philosophical Investigations 243-427, which provide the core of Wittgenstein’s philosophy of psychology. These include the private language arguments, privacy, private ostensive definition, the nature of the mind, the inner and the outer, behavior and behaviorism, thought, imagination, the self, consciousness, and criteria.


The new second edition has been thoroughly revised by the author and features four new essays. These include a survey of the evolution of the private language arguments in Wittgenstein’s oeuvre and their role within the developing argument of the Investigations, a comprehensive essay on private ownership of experience and its pitfalls, a detailed examination and defense of Wittgenstein’s repudiation of subjective knowledge of one’s experience, and an overview of the achievement and importance of the private language arguments. New objections to Wittgenstein’s arguments are examined—and found wanting—and new materials from the Nachlass that were not known to exist in 1990 have been incorporated into the text of these essays. All references have been adjusted to the revised 4th edition of the Investigations, but previous pagination has been retained in parentheses.

About the Author

P.M.S. Hacker is an Emeritus Research Fellow of St John’s College, Oxford, and a Professor of Philosophy at the University of Kent. Widely-published on Wittgenstein and the philosophy of language, his analytical commentary on Philosophical Investigations spans several volumes.
Wittgenstein, 2nd Edition
Meaning and Mind (Volume 3 of an Analytical Commentary on the Philosophical Investigations)
Peter M. Hacker


The new second edition has been thoroughly revised by the author and features four new essays. These include a survey of the evolution of the private language arguments in Wittgenstein’s oeuvre and their role within the developing argument of the Investigations, a comprehensive essay on private ownership of experience and its pitfalls, a detailed examination and defense of Wittgenstein’s repudiation of subjective knowledge of one’s experience, and an overview of the achievement and importance of the private language arguments. New objections to Wittgenstein’s arguments are examined—and found wanting—and new materials from the Nachlass that were not known to exist in 1990 have been incorporated into the text of these essays. All references have been adjusted to the revised 4th edition of the Investigations, but previous pagination has been retained in parentheses.

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P.M.S. Hacker is an Emeritus Research Fellow of St John’s College, Oxford, and a Professor of Philosophy at the University of Kent. Widely-published on Wittgenstein and the philosophy of language, his analytical commentary on Philosophical Investigations spans several volumes.
Violence
An Interdisciplinary Approach to Causes, Consequences, and Cures
Bandy X. Lee
ISBN: 978-1-119-24068-6 • Apr 2019 • 336pp

A comprehensive overview of the integrative study of violence
Violence continues to be one of the most urgent global public health problems that contemporary society faces. Suicides and homicides are increasing at an alarming rate, particularly in younger age groups and lower-income countries. Historically, the study of violence has been fragmented across disparate fields of study with little cross-disciplinary collaboration, thus creating a roadblock to decoding the underlying processes that give rise to violence and hindering efforts in research and prevention.
Natural Sciences
Introduction to Geomicrobiology, 2nd Edition
Kurt O. Konhauser & Stefan Lalonde

Introduction to Geomicrobiology was a timely book and it was in essence a comprehensive overview of how microbial life has affected Earth's environment through time. It shows how the ubiquity of microorganisms, their high chemical reactivity, and their metabolic diversity make them the most significant biological factor controlling the chemistry of our planet. The 2nd edition of Introduction to Geomicrobiology includes 7 updated chapters, in addition to 3 new chapters that cover topics, such as: techniques, ocean stratification, and the Phanerozoic.

Nutraceuticals and Natural Product Derivatives
Disease Prevention & Drug Discovery
Mohammad Fahad Ullah & Aamir Ahmad

Introduces readers to the growing applications of nutraceuticals and other natural product derivatives
This comprehensive book presents a prophylactic and therapeutic approach to chronic disease prevention strategy by highlighting the translational potential of plant-derived dietary and non-dietary factors from epidemiological, laboratory, and clinical studies. It also shares the experiences of highly reputed experts working in the area of phytotherapy and nutraceutical agents in chemoprevention, to promote the significance of natural products and dietary factors as an elite priority for containing chronic diseases in the human population.

Rhythms of Insect Evolution
Evidence from the Jurassic and Cretaceous in Northern China
Dong Ren, Chung Kun Shih, Taiping Gao, Yunzhi Yao & Yongjie Wang
ISBN: 978-1-119-42798-8 • Apr 2019 • 672pp

Introduces readers to the growing applications of nutraceuticals and other natural product derivatives
This comprehensive book presents a prophylactic and therapeutic approach to chronic disease prevention strategy by highlighting the translational potential of plant-derived dietary and non-dietary factors from epidemiological, laboratory, and clinical studies. It also shares the experiences of highly reputed experts working in the area of phytotherapy and nutraceutical agents in chemoprevention, to promote the significance of natural products and dietary factors as an elite priority for containing chronic diseases in the human population.

Bailey's Industrial Oil and Fat Products, 7th Edition
Fereidoon Shahidi
ISBN: 978-1-119-25794-3 • Apr 2019 • 300pp

The 7th edition of this exhaustively comprehensive bible of oils and fats processing has been fully updated and revised throughout to reflect the latest industry trends and technical developments. The 75 chapters and six volumes of the 6th edition (published in 2005) have now been expanded to 114 chapters over seven volumes, including a brand-new volume dedicated to lipids and health. This reflects the ever-increasing emphasis on the link between diet and health, and the need to combat chronic health conditions through healthier food product choices.
An interdisciplinary study of the Kuroshio nutrient stream

The surface water of the Kuroshio, a western boundary current in the North Pacific Ocean, is nutrient-depleted and has lower primary productivity, yet abundant fish populations are supported in the region. This is called the “Kuroshio Paradox”.

*Kuroshio Current: Physical, Biogeochemical and Ecosystem Dynamics* presents research from a multidisciplinary team that conducted observational and modeling studies to investigate this contradiction. This timely and important contribution to the ocean sciences literature provides a comprehensive analysis of the Kuroshio.
Textural Characteristics of World Foods
Katsuyoshi Nishinari
ISBN: 978-1-119-43069-8 • Aug 2019 • 300pp

It is widely recognised that texture is one of the most important factors in food preference and is therefore of crucial importance for food technologists and product developers. It is also key to designing foods for the treatment of dysphagia. This book reviews the textural characteristics of commonly eaten foods from around the world.

The food science community will have much to gain from understanding more about the preference for foods in different global cultures and it is hoped that the book will encourage technologists to explore new ideas around the improvement of food processing from the examples that are given.

Whey Protein Production, Chemistry, Functionality and Applications
Mingruo Guo
ISBN: 978-1-119-25602-1 • Apr 2019 • 280pp

An up-to-date overview of the dynamic field of whey protein utilization

Whey Protein Production, Chemistry, Functionality and Applications explores the science and technology behind the rapidly increasing popularity of this most versatile of dairy by-products. With its richly nutritious qualities, whey protein has been widely used in the food industry for many years. The last decade has, however, seen manufacturers develop many innovative and exciting new applications for it, both in food and other areas.
Chemical Engineering in the Pharmaceutical Industry, 2nd Edition
Active Pharmaceutical Ingredients
David J. am Ende & Mary Tanya am Ende
ISBN: 978-1-119-28586-1 • May 2019 • 1200pp
Author’s Previous Titles Licensed in Chemical engineering in the Pharmaceutical Industry: R&D to Manufacturing
Previous Editions Licensed in Russian
The 1st edition of *Chemical Engineering in the Pharmaceutical Industry* contained 44 Chapters and was 887 pages on 8 ½ × 11 page format. The book was divided into 3 Parts: API (Active pharmaceutical ingredients), Drug Products, and Analytics.
The new edition is significantly expanded and is split into two volumes, across the broad topics of Drug Substance and Drug Product, totaling 76 Chapters. Most of the original chapters are updated or expanded with additional example calculations of interest to Chemical Engineers. The API volume contains 50 chapters (22 new) while the Drug Product volume contains 26 chapters (14 new).
The API / Drug Substance volume focuses on the chemistry, chemical engineering, and unit operations specific to developing and manufacturing the pharmaceutically active components of the pharmaceutical product. Drug substance unit operations include chemical reactions, mixing, distillations, extractions, crystallizations, filtration, drying, and wet and dry milling. In addition, many modern software tools are discussed in the book and are geared toward batch-scale drug substance pharmaceutical operations.
The second volume entitled Drug Product (DP) focuses on the development and chemical engineering and unit operations specific to design, formulation, and manufacture of drug products.

Chemical Engineering in the Pharmaceutical Industry, 2nd Edition
Drug Product Design, Development and Modeling
Mary Tanya am Ende & David J. am Ende
ISBN: 978-1-119-28549-6 • Jun 2019 • 656pp
The 1st edition of *Chemical Engineering in the Pharmaceutical Industry* contained 44 Chapters and was 887 pages on 8 ½ × 11 page format. The book was divided into 3 Parts: API (Active pharmaceutical ingredients), Drug Products, and Analytics. The new edition is significantly expanded and is split into two volumes, across the broad topics of Drug Substance and Drug Product, totaling 76 Chapters. Most of the original chapters are updated or expanded with additional example calculations of interest to Chemical Engineers. The API volume contains 50 chapters (22 new) while the Drug Product volume contains 26 chapters (20 new). Drug Product focuses on the development, chemical engineering and unit operations specific to the design, formulation, and manufacture of drug products.

Guidelines for Process Safety in Chemical Laboratories and Pilot Plants
CCPS (Center for Chemical Process Safety)
ISBN: 978-1-119-01013-5 • Nov 2019 • 400pp
This book provides guidance on “what” can be done from a management systems perspective to identify hazards and manage risks of “loss of containment” events in chemical laboratories and pilot plants. It provides examples of “how to” implement such practices and descriptions of a range of typically encountered process safety hazards typical controls based on current best practices.
3D and 4D Printing in Biomedical Applications
Process Engineering and Additive Manufacturing
Mohammed Maniruzzaman

A professional guide to 3D and 4D printing technology in the biomedical and pharmaceutical fields

3D and 4D Printing in Biomedical Applications offers an authoritative guide to 3D and 4D printing technology in the biomedical and pharmaceutical arenas. With contributions from an international panel of academic scholars and industry experts, this book contains an overview of the topic and the most current research and innovations in pharmaceutical and biomedical applications. This important volume explores the process optimization, innovation process, engineering, and platform technology behind printed medicine.

In addition, information on biomedical developments include topics such as on shape memory polymers, 4D bio-fabrications and bone printing.

The book covers a wealth of relevant topics including information on the potential of 3D printing for pharmaceutical drug delivery, examines a new fabrication process, bio-scaffolding, and reviews the most current trends and challenges in biofabrication for 3D and 4D bioprinting. This vital resource:

- Offers a comprehensive guide to 3D and 4D printing technology in the biomedical and pharmaceutical fields
- Includes information on the first 3D printing platform to get FDA approval for a pharmaceutical product
- Contains a review of the current 3D printed pharmaceutical products
- Presents recent advances of novel materials for 3D/4D printing and biomedical applications

Written for pharmaceutical chemists, medicinal chemists, biotechnologists, pharma engineers, 3D and 4D Printing in Biomedical Applications explores the key aspects of the printing of medical and pharmaceutical products and the challenges and advances associated with their development.

About the Author

Mohammed Maniruzzaman, PhD, is currently a Lecturer (equivalent to tenured Assistant Professor) in Pharmaceutics and Drug Delivery at University of Sussex, UK.
Practical Wastewater Treatment, Second Edition

David L. Russell

Author’s Previous Titles Licensed in Practical Wastewater Treatment; Industrial Security: Managing Security in the 21st Century

Previous Editions Licensed in Orthodox Chinese and Spanish

The updated and expanded guide for handling industrial wastes and designing a wastewater treatment plant

The revised and updated second edition of Practical Wastewater Treatment provides a hands-on guide to industrial wastewater treatment theory, practices, and issues. It offers information for the effective design of water and wastewater treatment facilities and contains material on how to handle the wide-variety of industrial wastes. The book is based on a course developed and taught by the author for the American Institute of Chemical Engineers.

The author reviews the most current industrial practices and goals, describes how the water industry works, and covers the most important aspects of the industry. In addition, the book explores a wide-range of approaches for managing industrial wastes such as oil, blood, protein and more. A comprehensive resource, the text covers such basic issues as water pollution, wastewater treatment techniques, sampling and measurement, and explores the key topic of biological modeling for designing wastewater treatment plants. This important book:

- Offers an updated and expanded text for dealing with real-world wastewater problems
- Contains new chapters on: Reverse Osmosis and desalination; Skin and Membrane Filtration; and Cooling tower water treatment
- Presents a guide filled with helpful examples and diagrams that is ideal for both professionals and students
- Includes information for handling industrial wastes and designing water and wastewater treatment plants

About the Author

David L. Russell, PE, is an environmental engineer with a background in consulting in the chemical Industry.
Cellular Signal Transduction in Toxicology and Pharmacology
Data Collection, Analysis, and Interpretation
Jonathan W. Boyd & Richard R. Neubig
ISBN: 978-1-119-06026-0 • Jun 2019 • 288pp
Covering a key topic due to growing research into the role of signaling mechanisms in toxicology, this book focuses on practical approaches for informatics, big data, and complex data sets.
This book combines fundamentals with experimental applications that can help those involved in preclinical drug studies and translational research. It includes detailed presentations of study methodology and data collection, analysis, and interpretation. Moreover, this title discusses tools such as: experimental design, sample handling, analytical measurement techniques.

Energetic Materials and Munitions
Life Cycle Management, Environmental Impact and Demilitarization
Adam Stewart Cumming & Mark S. Johnson
ISBN: 978-3-527-34483-3 • Mar 2019 • 264pp
Provides a hands-on approach to demilitarization and environmental aspects of energetic materials and munitions
This book gives an overview of the environmental impact of the production, use, and cleanup of energetic materials and munitions. It provides scientists, engineers, environmental specialists, and users with the understanding of environmental issues for munitions and of the ways to improve design and manage potential risks. It covers the various aspects of how chemical properties influence fate, transport, and toxicity of new formulations and prescribes tools for reducing or alleviating environmental risks. In addition, it discusses pyrotechnics and the problem of dealing with munitions underwater.

Nanocellulose
From Fundamentals to Advanced Materials
Jin Huang, Alain Dufresne & Ning Lin
ISBN: 978-3-527-34269-3 • Apr 2019 • 488pp
Author’s Previous Titles Licensed in Polysaccharide-Based Nanocrystals: Chemistry and Applications
Comprehensively introduces readers to the production, modifications, and applications of nanocellulose
This book gives a thorough introduction to the structure, properties, surface modification, theory, mechanism of composites, and functional materials derived from nanocellulose. It also provides in-depth descriptions of plastics, composites, and functional nanomaterials specifically derived from cellulose nanocrystals, cellulose nanofibrils, and bacterial cellulose. It includes the most recent progress in developing a conceptual framework of nanocellulose, as well as its numerous applications in the design and manufacture of nanocomposites and functional nanomaterials. The book also looks at the relationship between structure and properties.

Photocatalytic Functional Materials for Environmental Remediation
Alagarsamy Pandikumar & Kandasamy Jothivenkatachalam
Author’s Previous Titles Licensed in Rational Design of Solar Cells for Efficient Solar Energy Conversion
This book gathers and reviews a wide-range of ideas - from experts in the interdisciplinary fields of chemistry, physics, nanotechnology, materials science, and engineering - focusing on the development of high performance photocatalytic materials for the treatment of environmental pollutants. The book contains chapters emphasizing the development of materials such as semiconductor-metal nanocomposites, layered double hydroxides, metal-organic frameworks, and polymer nanocomposites. The remainder of the book focuses on various applications, like the reduction of carbon dioxide and degradation of organic pollutants.
Thermochemical Processing of Biomass, 2nd Edition
Conversion into Fuels, Chemicals and Power
Robert C. Brown


Author’s Previous Titles Licensed in Thermochemical Processing of Biomass; Biorenewable Resources: Engineering New Products from Agriculture, Second Engineering

A comprehensive examination of the large number of possible pathways for converting biomass into fuels and power through thermochemical processes

Bringing together a widely scattered body of information into a single volume, this book provides complete coverage of the many ways that thermochemical processes are used to transform biomass into fuels, chemicals and power. Fully revised and updated, this new edition highlights the substantial progress and recent developments that have been made in this rapidly growing field since publication of the first edition and incorporates up-to-date information in each chapter.
5G for the Connected World
Devaki Chandramouli, Rainer Liebhart & Juho Pirskanen

Author’s Previous Titles Licensed in LTE for Public Safety
Comprehensive Handbook Demystifies 5G for Technical and Business Professionals in Mobile Telecommunication Fields

Much is being said regarding the possibilities and capabilities of the emerging 5G technology, as the evolution towards 5G promises to transform entire industries and many aspects of our society. 5G for the Connected World offers a comprehensive technical overview that telecommunication professionals need to understand and take advantage of these developments.

The book offers a wide-ranging coverage of the technical aspects of 5G (with special consideration of the 3GPP Release 15 content), how it enables new services and how it differs from LTE. The text also looks at 5G in relation to the Internet of Things, machine to machine communication and technical enablers such as LTE-M, NB-IoT and EC-GSM. Other topics include:

- Key features of the new 5G radio such as descriptions of new waveforms, massive MIMO and beamforming technologies as well as spectrum considerations for 5G radio regarding all possible bands
- Drivers, motivations and overview of the new 5G system -- especially RAN architecture and technology enablers (e.g. service-based architecture, compute-storage split and network exposure) for native cloud deployments
- Mobile edge computing, Non-3GPP access, Fixed-Mobile Convergence
- Detailed overview of mobility management, session management and Quality of Service frameworks
- Ultra-low latency and high reliability use cases and enablers, challenges and requirements (e.g. remote control, industrial automation, public safety and V2X communication)

About the Authors

Devaki Chandramouli is Head of North American Standardization at Nokia. She leads the 5G System Architecture specification in 3GPP SA2.

Rainer Liebhart is Head of 5G Solution Architecture in Mobile Networks Global Product Sales at Nokia. He holds an M.S. in Mathematics from the Ludwig-Maximilians University in Munich, Germany.

Juho Pirskanen is a Standardization and Alliance Expert at Wirepas located in Tampere, Finland. He holds an M.S. in Engineering from Tampere University of Technology, Finland.
Learn data science by doing data science!

Data Science Using Python and R includes step-by-step instructions for creating hands-on solutions for real-world business problems, using the world's two most widespread open-source platforms for data science: Python and R. Data Science Using Python and R is written for the general reader with no previous analytics or programming experience. An entire chapter is dedicated to learning the basics of Python and R. Then, each chapter presents step-by-step written instructions and walkthroughs for solving data science. Readers who have analytics experience can appreciate the one-stop-shop this book is for learning how to do data science using Python and R. Topics covered include: data preparation, exploratory data analysis, preparing to model the data, decision trees, model evaluation, misclassification costs, naïve Bayes classification, neural networks, clustering, regression modeling, dimension reduction, and association rules mining. This book emphasizes data-driven error costs to enhance profitability, which avoids the common pitfalls that cost companies millions of dollars.

About the Author

Chantal D. Larose, PhD, is an Assistant Professor of Statistics & Data Science at Eastern Connecticut State University (ECSU). She co-authored three books on data science and predictive analytics and helped develop data science programs at ECSU and SUNY New Paltz. Her PhD dissertation, Model-Based Clustering of Incomplete Data, tackles the persistent problem of trying to do data science with incomplete data.

Daniel T. Larose, PhD, is a Professor of Data Science and Statistics and Director of the Data Science programs at Central Connecticut State University. He published many books on data science, data mining, predictive analytics, and statistics. His consulting clients include The Economist magazine, Forbes Magazine, the CIT Group, and Microsoft.
Energy Harvesting Wireless Communications
Chuan Huang, Sheng Zhou, Jie Xu, Zhisheng Niu, Rui Zhang & Shuguang Cui


Energy Harvesting Wireless Communications offers a review of the most current research as well as the basic concepts, key ideas and powerful tools of energy harvesting wireless communications. Energy harvesting is renewable and cheap and has the potential for many applications in future wireless communication systems to power transceivers by utilizing environmental energy such as solar, thermal, wind, and kinetic energy. The authors--noted experts in the field--explore the power allocation for point-to-point energy harvesting channels, power allocation for multi-node energy harvesting channels, and cross-layer design for energy harvesting links.

Improving Product Reliability and Software Quality, 2nd Edition
Strategies, Tools, Process and Implementation
Mark A. Levin, Ted T. Kalal & Jonathan Rodin

Series: Quality and Reliability Engineering Series • ISBN: 978-1-119-17939-9 • Apr 2019 • 432pp

Author's Previous Titles Licensed in Improving Product Reliability - Strategies & Implementation

The authoritative guide to the effective design and production of reliable technology products, revised and updated

While most manufacturers have mastered the process of producing quality products, product reliability, software quality and software security has lagged. The revised second edition of Improving Product Reliability and Software Quality offers a comprehensive and detailed guide to implementing a hardware reliability and software quality process for technology products. The authors provide useful tools, forms and spreadsheets for executing an effective product reliability and software quality development process and explore proven software quality and product reliability concepts.

Written for engineers, managers and consultants lacking a background in product reliability and software quality theory and statistics, the updated second edition of Improving Product Reliability and Software Quality explores all phases of the product life cycle.

Information and Communication Theory
Stefan Host


An important text that offers an in-depth guide to how information theory sets the boundaries for data communication

In an accessible and practical style, Information and Communication Theory explores the topic of information theory and includes concrete tools that are appropriate for real-life communication systems. The text investigates the connection between theoretical and practical applications through a wide-variety of topics including an introduction to the basics of probability theory, information, (lossless) source coding, typical sequences as a central concept, channel coding, continuous random variables, Gaussian channels, discrete input continuous channels, and a brief look at rate distortion theory.

Optical WDM Networks
From Static to Elastic Networks
Devi Chadha


Provides a comprehensive and updated account of WDM optical network systems

Optical networking has advanced considerably since 2010. A host of new technologies and applications has brought a significant change in optical networks, migrating it towards an all-optical network. This book places great emphasis on the network concepts, technology, and methodologies that will stand the test of time and help in understanding and developing advanced optical network systems.
**Prognostics and Health Management**
A Practical Approach to Improving System Reliability Using Conditioned-Based Data
Douglas Goodman, James P. Hofmeister & Ferenc Szidarovszky

Series: Quality and Reliability Engineering Series • ISBN: 978-1-119-35665-3 • Apr 2019 • 350pp

A comprehensive guide to the application and processing of condition-based data to produce prognostic estimates of functional health and life.

*Prognostics and Health Management* provides an authoritative guide for an understanding of the rationale and methodologies of a practical approach for improving system reliability using conditioned-based data (CBD) to the monitoring and management of health of systems. This proven approach uses electronic signatures extracted from conditioned-based electrical signals, including those representing physical components, and employs processing methods that include data fusion and transformation, domain transformation, and normalization, canonicalization and signal-level translation to support the determination of predictive diagnostics and prognostics.

**Supercapacitors**
Materials, Electrolytes, Cell Design
Ali Eftekhari

ISBN: 978-3-527-34319-5 • 1000pp

Author’s Previous Titles Licensed in Nanostructured Conductive Polymers; Nanostructured Materials in Electrochemistry

Meeting the need for a review of the progress made on supercapacitor research over the past decade, this handbook comprehensively covers all aspects of supercapacitor materials, all possible electrolytes, and various types of cell design. The result is a one-stop reference for experienced researchers as well as materials scientists and electrochemists entering this vibrant field.

**Systems Engineering of Software-Enabled Systems**
Richard E. Fairley

Series: Wiley – IEEE • ISBN: 978-1-119-53501-0 • Apr 2019 • 460pp

This book presents methods and techniques that improve the linkages between systems and software engineering. Part 1 includes 3 chapters: Chapter 1 introduces systems and software engineering; Chapter 2 presents issues caused by differences between systems and software engineering processes; Chapter 3 offers traditional approaches used by systems engineers and software engineers Part 2 presents an approach to developing cyber-physical systems that integrates the incremental approach used by systems engineers and the iterative approach used by software engineers. Part 3 covers the management activities that a systems or software engineer must engage in to manage technical work being done.

**Vibration of Continuous Systems, 2nd Edition**
Singiresu S Rao


A revised and up-to-date guide to advanced vibration analysis written by a noted expert

The revised second edition of *Vibration of Continuous Systems* offers a guide to all aspects of vibration of continuous systems including: derivation of equations of motion, exact and approximate solutions and computational aspects. The author reviews all possible types of continuous structural members and systems, including: strings, shafts, beams, membranes, plates, shells, three-dimensional bodies, and composite structural members.

Designed to be a useful aid in the understanding of the vibration of continuous systems, this book contains exact analytical solutions, approximate analytical solutions, and numerical solutions.
Sustainable Engineering: Drivers, Metrics, Tools, and Applications
Krishna R. Reddy, Claudio Cameselle & Jeffrey A. Adams
ISBN: 978-1-119-49393-8 • Jun 2019 • 528pp

Author's Previous Titles Licensed in Electrochemical Remediation Technologies for Polluted Soils, Sediments, and Groundwater; Geoenvironmental Engineering: Site Remediation, Waste Containment, and Emerging Waste Management

Comprehensively covers the definition, methodology, and current applications of the principles of sustainability and resiliency in every engineering discipline

Sustainable Engineering: Drivers, Metrics, Tools, and Applications offers numerous ways to help engineers contribute towards global sustainable development while solving some of the grand challenges the world is facing today. Logically organized around the three pillars of sustainability—environment, economy, and society—it is a primary resource for students and professionals alike.
Reliability Analysis for Asset Management of Electric Power Grids

Robert Ross

Author’s Previous Titles Licensed in Clothing: A Global History

A practical guide to facilitate statistically well-founded decisions in the management of assets of an electricity grid

Effective and economic electric grid asset management and incident management involve many complex decisions on inspection, maintenance, repair and replacement. This timely reference provides statistically well-founded, tried and tested analysis methodologies for improved decision making and asset management strategy for optimum grid reliability and availability.

The techniques described are also sufficiently robust to apply to small data sets enabling asset managers to deal with early failures or testing with limited sample sets. The book describes the background, concepts and statistical techniques to evaluate failure distributions, probabilities, remaining lifetime, similarity and compliancy of observed data with specifications, asymptotic behavior of parameter estimators, effectiveness of network configurations and stocks of spare parts. It also shows how the graphical representation and parameter estimation from analysis of data can be made consistent, as well as explaining modern upcoming methodologies such as the Health Index and Risk Index.

Key features:

- Offers hands-on tools and techniques for data analysis, similarity index, failure forecasting, health and risk indices and the resulting maintenance strategies.
- End-of-chapter problems and solutions to facilitate self-study via a book companion website.

About the Author

ROBERT ROSS is a professor at TU Delft, director of IWO (Institute for Science & Development, Ede), a professor at HAN University of Applied Sciences and an Asset Management Research Strategist at TenneT (TSO in the Netherlands and part of Germany). lectures at KIM (Royal Institute for the Navy), and experience with utilities.
This book examines the governance challenges of cybersecurity. In 12 detailed case studies, this edited collection provides an overview of how government officials and corporate leaders across the globe are responding to the challenges of cybersecurity. This book provides a guide to the continually evolving cybersecurity ecosystem. It charts the role that corporations, policymakers, and technologists are playing in defining the contours of our digital world. The changes introduced in the name of cybersecurity are remaking and reshaping our expectations of privacy, the foundations on which businesses operate, and the technical character of the networks on which we rely.
Novel Carbon Materials and Composites
Synthesis, Properties and Applications
Xin Jiang, Zhenhui Kang, Xiaoning Guo & Hao Zhuang

Connects knowledge about synthesis, properties, and applications of novel carbon materials and carbon-based composites

Novel Carbon Materials and Composites: Synthesis, Properties and Applications covers an overview of the synthesis, properties, and applications of novel carbon materials and composites. This book provides readers with new knowledge on the synthesis, properties, and applications of novel carbon materials and carbon-based composites, including thin films of silicon carbide, carbon nitrite, and their related composites. It examines the direct bottom-up synthesis of the carbon-based composite systems and their potential applications and discusses the growth mechanism of the composite structures. It features applications that range from mechanical, electronic, chemical, biochemical, medical, and environmental to functional devices.

- Looks at the recent progress and achievements in the fields of novel carbon materials and composites, including thin films of silicon carbide, carbon nitrite, and their related composites
- Discusses the many applications of carbon materials and composites
- Focuses on the hot topic of the fabrication of carbon-based composite materials and their abilities to extend the potential applications of carbon materials
- Published as a title in the new Wiley book series Nanocarbon Chemistry and Interfaces.

Novel Carbon Materials and Composites: Synthesis, Properties and Applications is an important book for academic researchers and industrial scientists working in the fabrication and application of carbon materials and carbon-based composite materials and related fields.

About the Authors

Xin Jiang, PhD, is a professor and holder of the Chair of Surface and Materials Technology at University of Siegen, Germany.

Zhenhui Kang, PhD, is a professor in the Institute of Functional Nano & Soft Materials and the Jiangsu Key Laboratory for Carbon-Based Functional Materials & Devices in Soochow University, China.

Xiaoning Guo, PhD, is a research assistant at the Institute of Coal Chemistry, Chinese Academy of Sciences, China.

Hao Zhuang, PhD, is a senior scientist at University of Siegen, Germany.
Electrowetting
Fundamental Principles and Practical Applications
Frieder Mugele & Jason Heikenfeld
ISBN: 978-3-527-41229-7 • February 2019 • 312pp
Starting from the basic principles of wetting, electrowetting and fluid dynamics all the way up to those engineering aspects relevant for the development of specific devices, this is a comprehensive introduction and overview of the theoretical and practical aspects. Written by two of the most knowledgeable experts in the field, the text covers current and possible future applications, providing basic working principles of lab-on-a-chip devices and optofluidic devices, like adaptive lenses and optical switches. The book contains a series of exercises and questions for use in courses on microfluidics or electrowetting.

Actuarial Finance
Derivatives, Quantitative Models and Risk Management
Mathieu Boudreau & Jean-Francois Renaud
ISBN: 978-1-119-13700-9 • Apr 2019 • 592pp
A new textbook offering a comprehensive introduction to models and techniques for the emerging field of actuarial Finance
Dr. Boudreau and Dr. Renaud answer the need for a clear, application-oriented guide to the growing field of actuarial finance with this volume, which focuses on the mathematical models and techniques used in actuarial finance for the pricing and hedging of actuarial liabilities exposed to financial markets and other contingencies. With roots in modern financial mathematics, actuarial finance presents unique challenges due to the long-term nature of insurance liabilities, the presence of mortality or other contingencies and the structure and regulations of the insurance and pension markets.
Applied Gas Dynamics, 2nd Edition
Ethirajan Rathakrishnan

Author’s Previous Titles Licensed in High Enthalpy Gas Dynamics; Theoretical Aerodynamics; Applied Gas Dynamics

A revised edition to applied gas dynamics with exclusive coverage on jets and additional sets of problems and examples

The revised and updated second edition of Applied Gas Dynamics offers an authoritative guide to the science of gas dynamics. Written by a noted expert on the topic, the text contains a comprehensive review of the topic; from a definition of the subject, to the three essential processes of this science: the isentropic process, shock and expansion process, and Fanno and Rayleigh flows.

In this revised edition, there are additional worked examples that highlight many concepts, including moving shocks, and a section on critical Mach number is included that helps to illuminate the concept. The second edition also contains new exercise problems with the answers added. In addition, the information on ram jets is expanded with helpful worked examples. It explores the entire spectrum of the ram jet theory and includes a set of exercise problems to aid in the understanding of the theory presented. This important text:

- Includes a wealth of new solved examples that describe the features involved in the design of gas dynamic devices
- Contains a chapter on jets; this is the first textbook material available on high-speed jets
- Offers comprehensive and simultaneous coverage of both the theory and application
- Includes additional information designed to help with an understanding of the material covered

About the Author

Ethirajan Rathakrishnan is professor of Aerospace Engineering at the Indian Institute of Technology Kanpur, India. He is well known internationally for his research in the area of high-speed jets.
Conceptual Aircraft Design
An Industrial Approach
Ajoy Kumar Kundu, Mark A. Price & David Riordan
Author’s Previous Titles Licensed in Theory and Practice of Aircraft Performance
Provides a Comprehensive Introduction to Aircraft Design with an Industrial Approach
This book introduces readers to aircraft design, placing great emphasis on industrial practice. It includes worked out design examples for several different classes of aircraft, including Learjet 45, Tucano Turboprop Trainer, BAE Hawk and Airbus A320. The book considers performance substantiation and compliance to certification requirements and market specifications of take-off/landing field lengths, initial climb/high speed cruise, turning capability and payload/range. Military requirements are discussed, covering some aspects of combat, as is operating cost estimation methodology, safety considerations, environmental issues, flight deck layout, avionics and more general aircraft systems.

Control Of Mechatronic Systems
Model-Driven Design and Implementation Guidelines
Patrick O. J. Kaltjob
ISBN: 978-1-119-50580-8 • Apr 2019 • 504pp
Presents a unified approach for beginning students and practicing engineers to learn integrated system design and process automation
The implementation of digital control systems within electrical-driven machines and processes enhances their performance in terms of operating conditions as well as computational and reliability capabilities. It also eases the design assessment of various control paradigms and the integration of multifunctional and complex control algorithms. The design of such efficient digital control systems requires the mathematical modeling of the mechatronic systems and processes dynamics in accordance with their performance objectives and along with the environmental and the technological constraints on the digital instrumentation devices.

Corrosion and Materials in Hydrocarbon Production
A Compendium of Operational and Engineering Aspects
Dr. Bijan Kermani & Don Harrop
Comprehensively covers the engineering aspects of corrosion and materials in hydrocarbon production
This book captures the current understanding of corrosion processes in upstream operations and provides a brief overview of parameters and measures needed for optimum design of facilities. It focuses on internal corrosion occurring in hydrocarbon production environments and the key issues affecting its occurrence, including: the types and morphology of corrosion damage; principal metallic materials deployed; and mitigating measures to optimise its occurrence. The book also highlights important areas of progress and challenges and looks toward the future of research and development to enable improved and economical design of facilities for oil and a gas production.
Nuclear and Particle Physics, 3rd Edition
An Introduction
Brian R. Martin & Graham Shaw

Updated and expanded edition of this well-known Physics textbook provides an excellent Undergraduate introduction to the field

This new edition of *Nuclear and Particle Physics* continues standards established by predecessors, offering a comprehensive and readable overview of theoretical and experimental areas of these fields. The updated and expanded text covers a range of topics in particle and nuclear physics, with an emphasis on the phenomenological approach to understanding experimental data. It is one of the few publications available that gives equal treatment to both fields, while remaining accessible to undergraduates.

- New or expanded coverage of developments in relevant fields, such as the discovery of the Higgs boson, recent results in neutrino physics, research to test theories beyond the standard model (such as supersymmetry), and important technical advances, such as Penning traps used for high-precision measurements of nuclear masses.
- Practice problems at the end of chapters (excluding the last chapter) with solutions to selected problems provided in an appendix, as well as an extensive list of references for further reading.
- Companion website with solutions (odd-numbered problems for students, all problems for instructors), PowerPoint lecture slides, and other resources.

About the Authors

**BRIAN R. MARTIN and GRAHAM SHAW** have researched and taught for many years in the Physics and Astronomy departments at University College London and the University of Manchester, respectively. Prior to that they have held positions at various institutes, including Brookhaven National Laboratory and Niels Bohr Institute (Martin), Columbia University and Rutherford Laboratory (Shaw). They have previously collaborated on other successful textbooks, including *Particle Physics* (4th edn. 2017) and *Mathematics for Physicists* (2015), both published by Wiley. Brian has also published books on statistics and a Beginner's Guide to Particle Physics, while Graham is the co-author with Franz Mandl of the well-known postgraduate text, *Quantum Field Theory* (2nd. edn. 2010), also published by Wiley.
PHYSICS & ASTRONOMY

An Introduction to Synchrotron Radiation, 2nd Edition
Techniques and Applications
Philip Willmott PhD
Author's Previous Titles Licensed in An Introduction to Synchrotron Radiation

The updated guide to the fundamental concepts, techniques and applications of synchrotron radiation and its applications in this rapidly developing field

Synchrotron light is recognized as an invaluable research tool by a broad spectrum of scientists, ranging from physicists to biologists and archaeologists. The comprehensively revised second edition of An Introduction to Synchrotron Radiation offers a guide to the basic concepts of the generation and manipulation of synchrotron light, its interaction with matter and the application of synchrotron light in x-ray scattering, spectroscopy, and imaging.

STATISTICS

Handbook of Statistical Genomics, 4th Edition
David J. Balding, Ida Moltke & John Marioni

A timely update of a highly popular handbook on statistical genomics

This new, two-volume edition of a classic text provides a thorough introduction to statistical genomics, a vital resource for advanced graduate students, early-career researchers and new entrants to the field. It introduces new and updated information on developments that have occurred since the 3rd edition. Widely regarded as the reference work in the field, it features new chapters focusing on statistical aspects of data generated by new sequencing technologies, including sequence-based functional assays. It expands on previous coverage of the many processes between genotype and phenotype, including gene expression and epigenetics, as well as metabolomics.

Introduction to Probability
Models and Applications
N. Balakrishnan, Markos V. Koutras & Politis Konstantinos

An essential guide to the concepts of probability theory that puts the focus on models and applications

Introduction to Probability offers an authoritative text that presents the main ideas and concepts, as well as the theoretical background, models, and applications of probability. The authors include a review of problems where probabilistic models naturally arise, discuss the appropriate statistical methods, and explain how these models fit into the data presented. To aid in understanding, the book presents many real-world exercises and solutions that appear after each section within a chapter.
The AWS exam has been updated. Your study guide should be, too.

The AWS Certified Developer Official Study Guide--Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You’ll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS.

The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors.

- Study the AWS Certified Developer Exam objectives
- Gain expert insight on core AWS services and best practices
- Test your understanding of key concepts with challenging chapter questions
- Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more

The AWS Certified Developer Official Study Guide - Associate (DVA-C01) Exam is written by a team of leading AWS subject-matter experts. Amazon Web Services (AWS) is a secure cloud services platform that offers a broad set of global compute, storage, database, analytics, application, and deployment services in order to help businesses scale and grow. AWS Cloud products and solutions aid business organizations in building sophisticated applications with increased flexibility, scalability and reliability.
Study, practice, review!

The AWS Certified Solutions Architect Certification Kit includes the AWS Certified Solutions Architect Study Guide and AWS Certified Solutions Architect Practice Tests book. Both books work in tandem to prepare you for exam day. The Study Guide comes with two custom practice tests, PLUS the Practice Tests book provides five additional, unique practice tests, all covering the five AWS Certified Solutions Architect Associate Exam objective domains—Designing Resilient Architectures, Defining Performant Architectures, Specifying Secure Applications and Architectures, Designing Cost-Optimized Architectures, Defining Operationally—as well as one additional practice exam, for a total of 1,000 practice test questions.

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- Practice exam questions
- Hundreds of electronic flashcards
- PDF of the Glossary of Terms

If you’re looking to take the AWS Certified Solutions Architect Associate exam, this kit is what you need for comprehensive content and robust study tools that will help you gain an edge on exam day.

About the Authors

David Clinton (Toronto, Ontario) is a system administrator, teacher, and writer.

Ben Piper (Summerville, SC) is an IT consultant who has authored over 20 courses covering Amazon Web Services, networking, Puppet, and Windows Server Administration.

Brett McLaughlin (Dallas, TX) has been working in technology for over 20 years.
AWS Certified Solutions Architect Practice Tests
Associate SAA-C01 Exam
Brett McLaughlin

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About the Author

Brett McLaughlin (Dallas, TX) has been working in technology for over 20 years.
Associate SAA-C01 Exam
Ben Piper & David Clinton

Author’s Previous Titles Licensed in AWS Certified Solutions Architect Official Study Guide
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The certification is highly valued in IT and cloud computing professionals. Now in a new edition—reflecting the latest changes, additions, and updates to the AWS Solutions Architect – Associate certification exam guide—this book is your complete, one-stop resource.

Everything you need to know for the Solutions Architect - Associate Exam, fully updated

The AWS Certified Solutions Architect Study Guide: Associate (SAA-C01) Exam is your complete and fully updated resource to the AWS Solutions Architect - Associate certification. This invaluable Sybex study guide covers all relevant aspects of the AWS Solutions Architect job role, including mapping multi-tier architectures to AWS services, loose coupling and stateless systems, applying AWS security features, deploying and managing services, designing large scale distributed systems, and many more. Written by two AWS subject-matter experts, this self-study guide and reference provides all the tools and information necessary to master the exam, earn your certification, and gain insights into the job of an AWS Solutions Architect. Efficient and logical presentation of exam objectives allows for flexible study of topics, and powerful learning tools increase comprehension and retention of key exam elements. Practice questions, chapter reviews, and detailed examination of essential concepts fully prepare you for the AWS Solutions Architect – Associate certification.

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- Expand your AWS skillset and keep pace with current cloud computing technologies

About the Authors
David Clinton (Toronto, Ontario) is a system administrator, teacher, and writer.
Ben Piper (Summerville, SC) is an IT consultant who has authored over 20 courses covering Amazon Web Services, networking, Puppet, and Windows Server Administration.
This book provides five unique 200-question practice tests, covering the five CompTIA PenTest+ objective domains, PLUS two additional 100-question practice exams, for a total of 1200 practice test questions. Coverage of all exam objective domains includes:

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- Attacks and Exploits
- Penetration Testing Tools
- Reporting and Communication

This book helps you gain the confidence you need for taking the CompTIA PenTest+ Exam PT0-001. The practice test questions prepare you for test success.

About the Author

Robb Tracy (Santaquin, UT) is an experienced instructional designer and trainer in the e-learning industry.
Azure Solutions Architect Study Guide Exams 70-533 and 70-535
William Panek


Azure Solutions Architect Study Guide: Exams 70-533 and 70-535 covers the two critical Microsoft Azure exams that intermediate and advanced Microsoft IT professionals will need to show proficiency as their organizations move to the Azure cloud. Following the Sybex Study Guide model, the Azure Solutions Architect Study Guide teaches readers to understand Azure, set up their Microsoft Cloud network, and solve real world problems using Azure.

CEH v10 Certified Ethical Hacker Study Guide
Ric Messier
ISBN: 978-1-119-53319-1 • Jun 2019 • 600pp

Author's Previous Titles Licensed in Network Forensics
As protecting information becomes a rapidly growing concern for today's businesses, certifications in IT security have become highly desirable, even as the number of certifications has grown. Now you can set yourself apart with the Certified Ethical Hacker (CEH v10) certification. The CEH v10 Certified Ethical Hacker Study Guide offers a comprehensive overview of the CEH certification requirements using concise and easy-to-follow instruction. Chapters are organized by exam objective, with a handy section that maps each objective to its corresponding chapter, so you can keep track of your progress. The text provides thorough coverage of all topics, along with challenging chapter review questions and Exam Essentials, a key feature that identifies critical study areas.

CompTIA A+ Complete, Certification Kit, 4th Edition
Exam: 220-1001 and Exam 220-1002
Quentin Docter, Jon Buhagiar, Jeff T. Parker & Troy McMillan

Previous Editions Licensed in Arabic

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CompTIA A+ Complete Study Guide, 4e—Building on the popular Sybex Study Guide approach, this CompTIA A+ Study Guide covers all the major changes to the 220-1001 and 220-1002 exams. The book will provide 100% coverage of the A+ exam objectives and contain clear and concise information on crucial hardware and operating system maintenance and troubleshoot topics. It will include practical examples and insights drawn from real-world experience, as well as exam highlights and end-of-chapter review.

Exam 220-1001 and Exam 220-1002
Quentin Docter & Jon Buhagiar


The ultimate Sybex guide to the A+ certification, fully updated and revised

The CompTIA A+ Complete Deluxe Study Guide: Exams 220-1001 and 220-1002, Fourth Edition is your comprehensive guide for acing the exam and earning A+ certification. Covering 100 percent of the objectives for both exams, this essential study tool gets you up to speed on essential A+ knowledge and skills. Master the critical competencies associated with hardware and software, system maintenance, troubleshooting, connectivity, and more—with practical examples drawn from real-world experience, you'll develop the skill set employers demand in today's IT environment.
CompTIA A+ Complete Practice Tests, 2nd Edition
Exam 220-1001 and Exam 220-1002
Jeff T. Parker & Quentin Docter
Previous Edition: 978-1-119-37262-2
Author’s Previous Titles Licensed in Wireshark for Security Professionals
Test your knowledge and know what to expect on A+ exam day
CompTIA A+ Complete Practice Tests, Second Edition enables you to hone your test-taking skills, focus on challenging areas, and be thoroughly prepared to ace the exam and earn your A+ certification. This essential component of your overall study plan presents nine unique practice tests—and two 90-question bonus tests—covering 100% of the objective domains for both the 220-1001 and 220-1002 exams. Comprehensive coverage of every essential exam topic ensures that you will know what to expect on exam day and maximize your chances for success.

Exam 220-1001 and Exam 220-1002
Troy McMillan
ISBN: 978-1-119-55603-9 • Jun 2019 • 480pp
Previous Edition: 978-1-119-37269-1
The CompTIA A+ Complete Review Guide: Exam 220-1001 and Exam 220-1002, Fourth Edition is an ideal preparation tool to help readers ace the exam and get certified. Now in its fourth edition, this review guide has been fully updated to focus on the latest best practices and new exam objectives. Covering both A+ exams, this book covers topics including PC hardware, networking, operating systems and procedures, security, and troubleshooting. Access to the Sybex online learning environment includes practice test questions, bonus exams, electronic flashcards, and a searchable glossary of key terms.

CompTIA Linux+ Practice Tests, 2nd Edition
Exam XK0-004
Steve Suehring
ISBN: 978-1-119-55596-4 • Aug 2019 • 432pp
Previous Edition: 978-1-119-37269-1
The best practice test preparation for the foundational CompTIA Linux+ certification exam
If you’re preparing for this all-important exam, turn to CompTIA Linux+ Practice Tests. The book covers the 5 objective domains, PLUS one additional 90-question practice exam, for a total of 1,000 practice test questions and work through the questions, reinforcing their skills and knowledge. Study for the CompTIA Linux+ certification with Sybex and get the advantage of exam day confidence.

CompTIA Linux+ Study Guide, 4th Edition
Exam XK0-004
Christine Bresnahan & Richard Blum
ISBN: 978-1-119-55603-9 • Aug 2019 • 1000pp
Previous Edition: 978-1-119-02121-6
The bestselling study guide completely updated for the NEW CompTIA Linux+ Exam XK0-004
This is the one-stop resource for complete coverage of Exam XK0-004, covering 100% of all exam objectives. Readers can prepare for the exam smarter and faster with Sybex thanks to superior content including assessment tests that check exam readiness, objective map, real-world scenarios, hands-on exercises, key topic exam essentials, and challenging chapter review questions. Linux is a UNIX-based operating system originally created by Linus Torvalds with the help of developers around the world.
**Linux Bible, 10th Edition**  
Christopher Negus  

**Series:** Bible • ISBN: 978-1-119-57888-8 • Jul 2019 • 950pp • Previous Edition: 978-1-118-99987-5

Author’s Previous Titles Licensed in Linux Bible, 9th edition; Ubuntu Linux Toolbox: 1000+ Commands for Power Users, 2nd edition; BSD UNIX Toolbox: 1000+ Commands for FreeBSD, OpenBSD and NetBSD

Previous Editions Licensed in Arabic, French, Korean, Portuguese, Polish, Russian, Italian, Simplified Chinese, and Swedish

**The industry favorite Linux guide**

Linux Bible, 10th Edition is the ultimate hands-on Linux user guide, whether you’re a true beginner or a more advanced user navigating recent changes. This updated ninth edition covers the latest versions of Red Hat Enterprise Linux 7 (RHEL 8), Fedora 30, and Ubuntu 18.10 LTS, and includes new information on cloud computing and development with guidance on Openstack and Cloudforms. With a focus on RHEL 8, this practical guide gets you up to speed quickly on the new enhancements for enterprise-quality file systems, the new boot process and services management, firewalld, and the GNOME 3 desktop.

**Professional JavaScript for Web Developers, 4th Edition**  
Matt Frisbie  


Previous Editions Licensed in Czech, Korean Polish, Russian, Simplified Chinese and Spanish

**Update your skill set for ES 6 and 7 with the ultimate JavaScript guide for pros**

Professional JavaScript for Web Developers is the essential guide to next-level JavaScript development. Written for intermediate-to-advanced programmers, this book jumps right into the technical details to help you clean up your code and become a more sophisticated JavaScript developer. From JavaScript-specific object-oriented programming and inheritance, to combining JavaScript with HTML and other markup languages, expert instruction walks you through the fundamentals and beyond. This new fourth edition has been updated to cover ECMAScript 6 and 7 (also known as ES2015 and ES2016) and the major re-imagination and departure from ES 5.1.

Mike Wills & Wesley Phillips  


Author’s Previous Titles Licensed in (ISC)² SSCP Systems Security Certified Practitioner Official Practice Tests; (ISC)² SSCP Systems Security Certified Practitioner Official Study Guide

**The only SSCP study guide officially approved by (ISC)²**

The (ISC)² Systems Security Certified Practitioner (SSCP) certification is a well-known vendor-neutral global IT security certification. The SSCP is designed to show that holders have the technical skills to implement, monitor, and administer IT infrastructure using information security policies and procedures.

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- Access Controls
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- Risk Identification, Monitoring, and Analysis
- Incident Response and Recovery
- Cryptography
- Network and Communications Security
- Systems and Application Security

**Cybersecurity Blue Team Toolkit**  
Nadean Tanner  


**A practical handbook to cybersecurity for both tech and non-tech professionals**

As reports of major data breaches fill the headlines, it has become impossible for any business to ignore the importance of cybersecurity. Most books on the subject are either too specialized for the non-technical professional or too general for people working in the IT trenches. Nadean Tanner’s wide array of experience from teaching at a University to working for the Department of Defense, the Cybersecurity Blue Team Toolkit strikes the perfect balance of substantive and accessible, making it useful to those in IT or management positions across a variety of industries.
Effective Project Management, 8th Edition
Traditional, Agile, Hybrid, Extreme
Robert Wysocki
Previous Editions Licensed in Korean, Orthodox Chinese, Polish, Portuguese, Russian, and Simplified Chinese
The popular guide to the project management body of knowledge, now fully updated
Now in its eighth edition, this comprehensive guide to project management has long been considered the standard for both professionals and academics, with nearly 40,000 copies sold in the last three editions! Robert Wysocki has added four chapters of new content based on instructor feedback, enhancing the coverage of best-of-breed methods and tools for ensuring project management success.
With enriched case studies, accompanying exercises and solutions on the companion website, and PowerPoint slides for all figures and tables, the book is ideal for instructors, students, and active project managers.

Excel 2019 Power Programming with VBA
Michael Alexander & Dick Kusleika
ISBN: 978-1-119-51492-3 • May 2019 • 768pp
Author’s Previous Titles Licensed in The Excel Analyst’s Guide to Access; Access 2019 Bible; Excel 2016 Power Programming with VBA; Excel 2016 Formulas; Access 2016 Bible; 101 Ready-to-Use Excel Formulas; Excel Dashboards and Reports, 2nd edition; Microsoft 2013 Bible
Previous Editions Licensed in German, Orthodox Chinese, Polish, Russian and Simplified Chinese
Maximize your Excel experience with VBA
Excel 2019 Power Programming with VBA is fully updated to cover all the latest tools and tricks of Excel 2019. Encompassing an analysis of Excel application development and a complete introduction to Visual Basic for Applications (VBA), this comprehensive book presents all the techniques you need to develop both large and small Excel applications. Over 800 pages of tips, tricks, and best practices shed light on key topics, such as the Excel interface, file formats, enhanced interactivity with other Office applications, and improved collaboration features.

Official (ISC)² Guide to the CISSP CBK, 5th Edition
John Warsinke, Christopher Hoover, Sean Murphy, C. Paul Oakes & Mike Valasquez
The only official, comprehensive reference guide to the CISSP
All new for 2018 and beyond, this is the authoritative common body of knowledge (CBK) from (ISC)² for information security professionals charged with designing, engineering, implementing, and managing the overall information security program to protect organizations from increasingly sophisticated attacks. Vendor neutral and backed by (ISC)², the CISSP credential meets the stringent requirements of ISO/IEC Standard 17024.

PHP & MySQL
Server-side Web Development
Jon Duckett
ISBN: 978-1-119-14921-7 • May 2019 • 67pp
Author’s Previous Titles Licensed in Web Design with HTML, CSS, Javascript and JQuery Set; JavaScript and JQuery: Interactive Front-End Web Development Hardcover; JavaScript and JQuery; HTML and CSS; Accessible XHTML and CSS Web Sites
Learn PHP, the programming language used to build sites like Facebook, Wikipedia and WordPress, then discover how these sites store information in a database (MySQL) and use the database to create the web pages. This full-color book is packed with inspiring code examples, infographics and photography that not only teach you the PHP language and how to work with databases, but also show you how to build new applications from scratch.
The #1 study guide for the leading HR certification, aligned with the updated HRBoK!

*PHR and SPHR Complete Deluxe Study Guide, Second Edition* is the ideal resource for HR professionals seeking to validate their skills and knowledge acquired through years of practical experience, or a relative newcomer to the HR field looking to strengthen their resume. Featuring study tools designed to reinforce understanding of key functional areas, it’s the study guide you’ll turn to again and again as you prepare for this challenging exam.

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**VCP6-DCV VMware Certified Professional-Data Center Virtualization on vSphere 6 Study Guide**

*Exam 2V0 – 621*

Philip Jones

ISBN: 978-1-119-21469-4 • Aug 2019 • 888pp

**Master vSphere 6 virtualization with hands-on practice and bonus preview exams**

*VCP6-DCV: VMware Certified Professional-Data Center Virtualization on vSphere 6 Study Guide* is the ultimate guide to preparing for exam 2VO-621. This Study Guide provides 100% coverage of exam objectives and offers a unique set of study tools including assessment tests, objective map, real-world scenarios, and hands-on exercises. Readers receive access to the superior Sybex interactive online learning environment that provides additional study tools including electronic flashcards and bonus practice exams.

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**Visual Studio Code**

*End-to-End Editing and Debugging Tools for Web Developers*

Bruce Johnson

ISBN: 978-1-119-58818-4 • Aug 2019 • 312pp

**Author’s Previous Titles Licensed in Professional Visual Studio 2017; Professional Visual Studio 2015; Professional Visual Studio 2013; Professional Visual Studio 2012; The Hedge Fund Fraud Casebook**

The goal of *Visual Studio Code: End-to-End Editing and Debugging Tools for Web Developers* is to help developers become not just familiar, but productive in Visual Studio Code. It starts with an introduction to the editing features of the workspace and continues with the more advanced functionality (including refactoring and key bindings). The book finishes with an extensive look at the integration that Visual Studio Code provides to external tools, like Git, Grunt, Gulp and NPM.

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**OSINT Toolkit**

*A Hacker’s Guide to Open Source Intelligence Gathering for Digital Investigations*

Vinny Troia


A Hacker’s Guide to Open Source Intelligence Gathering for Digital Investigations which focuses on cyber security. Focuses on the offensive techniques attackers use to find information about a target, used by “white hat” or “ethical” hackers to show clients where their network vulnerabilities are and how to remediate them.
Blockchain for Distributed Systems Security
Sachin Shetty, Charles A. Kamhoua & Laurent Njilla

ISBN: 978-1-119-51960-7 • Apr 2019 • 352pp

This book describes properties underlying formal foundations of Blockchain technologies and practical issues for deployment in cloud and IoT platforms. In addition, it presents several security and privacy issues that must be solved for Blockchain technologies to reach full potential. The topics in the book provide security researchers insight into aspects of Blockchain technologies that need to be addressed for adoption in cloud and IoT platforms for domains such as medical and military. In addition, the security and privacy analysis aid in understanding and quantifying impact of the new attack surfaces introduced by Blockchain technologies and platforms. The book makes selected findings on the aforementioned topics readily available to the security community by offering a synthesis of them under one cover. The book comprises newly written chapters that present key ideas from the original academic publications in a more readable narrative, with updates incorporated where desirable.
Google Cloud Certified Associate Cloud Engineer Study Guide

Dan Sullivan

100% coverage of all Google Cloud exam objectives

In *Google Cloud Certified Associate Cloud Engineer Study Guide*, you’ll get everything you need to prepare for this important exam and master the skills necessary to land that coveted Google Cloud Engineering certification. Beginning with a pre-book assessment quiz to evaluate what you know before you begin, each chapter features exam objectives and review questions, plus the online learning environment includes additional complete practice tests. Written by Dan Sullivan, a popular and experienced online course author for machine learning, big data, and Cloud topics, *Google Cloud Certified Associate Cloud Engineer Study Guide* is your ace in the hole for deploying and managing Google Cloud Services.

- Select the right Google service from the various choices based on the application to be built
- Compute with Cloud VMs and managing VMs
- Plan and deploying storage
- Network and configure access and security

About the Author

Dan Sullivan is a software architect specializing in big data, machine learning, and cloud computing.
Interaction Design, 5th Edition
Beyond Human-Computer Interaction
Helen Sharp, Jenny Preece & Yvonne Rogers

A new edition of the #1 text in the human computer Interaction field!

Hugely popular with students and professionals alike, the Fifth Edition of Interaction Design is an ideal resource for learning the interdisciplinary skills needed for interaction design, human-computer interaction, information design, web design, and ubiquitous computing. New to the fifth edition: a chapter on data at scale, which covers developments in the emerging fields of ‘human data interaction’ and data analytics. The chapter demonstrates the many ways organizations manipulate, analyze, and act upon the masses of data being collected with regards to human digital and physical behaviors, the environment, and society at large.

Revised and updated throughout, this edition offers a cross-disciplinary, practical, and process-oriented, state-of-the-art introduction to the field, showing not just what principles ought to apply to interaction design, but crucially how they can be applied.

- Explains how to use design and evaluation techniques for developing successful interactive technologies
- Demonstrates, through many examples, the cognitive, social and affective issues that underpin the design of these technologies
- Provides thought-provoking design dilemmas and interviews with expert designers and researchers
- Uses a strong pedagogical format to foster understanding and enjoyment

About the Author

Helen Sharp is Professor of Software Engineering and Associate Dean at the Open University.

Jennifer Preece is a Professor and Dean in the College of Information Studies – Maryland’s School – at the University of Maryland.

Yvonne Rogers is the Director of the Interaction Center at University College London as well as a Professor of Interaction Design.
Machine Learning with Spark and Python, 2nd Edition
Essential Techniques for Predictive Analysis

Michael Bowles

Author’s Previous Titles Licensed in Machine Learning in Python
Previous Editions Licensed in Japanese, Korean, Orthodox Chinese and Simplified Chinese

Machine Learning with Spark and Python Essential Techniques for Predictive Analytics Second Edition simplifies ML for practical uses by focusing on two key algorithms. This new second edition improves with the addition of Spark – a ML framework from the Apache foundation. By implementing Spark, machine learning students can easily process much large data sets and call the spark algorithms using ordinary Python code.

Machine Learning with Spark and Python focuses on two algorithm families (linear methods and ensemble methods) that effectively predict outcomes. This type of problem covers many use cases such as what ad to place on a web page, predicting prices in securities markets, or detecting credit card fraud. The focus on two families gives enough room for full descriptions of the mechanisms at work in the algorithms. Then the code examples serve to illustrate the workings of the machinery with specific hackable code.

About the Author

MICHAEL BOWLES teaches machine learning at Hacker Dojo in Silicon Valley, consults on machine learning projects, and is involved in a number of startups in such areas as bioinformatics and high-frequency trading.
Mastering Microsoft Azure Infrastructure Services
2019 Edition
John Savill

Author’s Previous Titles Licensed in Mastering Windows Server 2016 Hyper-V; Mastering Microsoft Azure Infrastructure Services; Mastering Hyper-V 2012 R2 with System Center and Windows Azure
Previous Editions Licensed in Korean

*Mastering Microsoft Azure Infrastructure Services 2019 Edition* equips readers with the skills required to understand the capabilities of Microsoft Azure for infrastructure and to implement a public cloud to complete the full virtualization piece of providing data both on premise and off premise. Using Microsoft Windows Azure, IT administrators can set up new Windows Server and Linux virtual machines and adjust usage as requirements change. They only have to pay for the service they use. One of the biggest benefits of IaaS is that it provides granular control, where you can choose the core components for your infrastructure. By pooling your computing and storage resources you can scale and speed to meet the infrastructure needs of your entire organization or individual departments, globally or locally.

Key book topics include:
- Cloud and Microsoft Azure 101
- When to use IaaS and understanding cost and options
- Customizing VM storage
- Enabling external connectivity to Azure virtual machines
- Using Virtual Networks
- Enabling Azure to On-Premises connectivity
- Extending Active Directory to Azure and Azure Active Directory
- Replicating and backing up to Azure and using Azure for disaster recovery (DR)
- Advanced customization of Azure templates and management
- Embracing a hybrid environment and single pane of glass management with System Center
- Key Azure technologies to complete your Azure environment

About the Author

**John Savill** (Dallas, TX) is a Windows technical specialist, an 11-time MVP, and an MCSE for Private Cloud and Server Infrastructure 2012. He's also ITIL certified and a CISSP. John is the author of the popular FAQ for Windows and a senior contributing editor to Windows IT Pro, as well as the author of Mastering Windows Server 2016 Hyper-V and Mastering Microsoft Azure Infrastructure Services, both from Wiley. John speaks at leading industry events including TechEd and Windows Connections. John's blog is available at http://www.savilltech.com/blog.
Mastering VBA for Microsoft Office 365, 2019 Edition
Richard Mansfield

Author's Previous Titles Licensed in Mastering VBA for Microsoft Office 2016; Mastering VBA for Microsoft Office 2013; Mastering VBA for Office 2010

Customize and ramp-up Office 365 applications
The revised 2019 edition of Mastering VBA Microsoft Office 365 offers an accessible guide that shows how to extend the capabilities of Office 365 applications with VBA programming. Written in clear terms and understandable language, the book includes systematic tutorials and contains both intermediate and advanced content for experienced VB developers. Designed to be comprehensive, the book addresses not just one Office application, but the entire Office suite. To enhance understanding, the content is explored in real-world projects in Word, Excel, Outlook, and PowerPoint.

Since the technical programming methods in the Office applications continue to evolve, the updated 2019 edition reviews the changes to the program. Code libraries, the API, and the object model for each Office program have been modified during the three years since the last version of this book. Various elements within VBA have been deprecated or replaced, and the surface UI changed as well. The updated 2019 edition covers topics such as:

- Recording macros and getting started with VBA
- Learning how to work with VBA
- Using loops and functions
- Using message boxes, input boxes, and dialog boxes
- Creating effective code
- XML-based files, ActiveX, the developer tab, content controls, add-ins, embedded macros, and security

About the Author
Richard Mansfield is the author or coauthor of more than 40 computer books, including Mastering VBA for Microsoft Office 2016, Visual Basic .NET Power Toolkit, Office 2003 Application Development All-in-One Desk Reference For Dummies, and Programming: A Beginner's Guide.
The #1 book for the leading HR certifications, aligned with the updated HRBoK

PHR and SPHR certifications, offered by Human Resources Certification Institute (HRCI), have become the industry standard for determining competence in the field of human resources. Developed by working professionals, the PHR and SPHR credentials demonstrate that recipients are fully competent HR practitioners based on a standard set by workforce peers.

Offering insights into those areas of knowledge and practices specific and necessary to human resource management (HRM), this study guide covers tasks, processes, and strategies as detailed in the updated A Guide to the Human Resource Body of Knowledge – HRBoK. The study guide breaks down the critical HR topics that you need to understand as you prepare for the exams.

*PHR/SPHR Professional in Human Resources Certification Study Guide, Fifth Edition,* is the ideal resource for HR professionals seeking to validate their skills and knowledge acquired through years of practical experience, as well as for a relative newcomer to the HR field looking to strengthen their resume. In this edition of the top-selling PHR/SPHR study guide, you’ll find a practical review of all topics covered on the exams, as well as study tools designed to reinforce understanding of key functional areas. Strengthen the skills you learn with a year of FREE access to the Sybex online learning environment, complete with flash cards and practice quizzes to prepare you for exam day.

**About the Author**

Sandra M. Reed (Oakdale, CA), PHR, SPHR, has over 20 years of HR experience, the last 10 in the consulting and teaching arena.
**Mastering Autodesk Revit New Edition**  
**Essential Techniques for Predictive Analysis**  
Robert Yori, Marcus Kim & Lance Kirby  

*Mastering Autodesk Revit New Edition* is packed with focused discussions, detailed exercises, and real-world examples to help you get up to speed quickly on the latest version of Autodesk Revit for Architecture. Organized according to how readers learn and implement the software, this book provides expert guidance for all skill levels. Hands-on tutorials allow readers to dive right in and start accomplishing vital tasks, while compelling examples illustrate how Revit for Architecture is used in every project. Available online downloads include before-and-after tutorial files and additional advanced content to help you quickly master this powerful software.

**Practical Java Programming for IoT, AI, and Blockchain**  
**Server-side Web Development**  
Perry Xiao  
ISBN: 978-1-119-56001-2 • Sep 2019 • 400pp

*Author's Previous Titles Licensed in Designing Embedded Systems and the Internet of Things (IoT) with the ARM mbed*

**Learn practical uses for some of the hottest tech applications trending among technology professionals**

We are living in an era of digital revolution. On the horizon, many emerging digital technologies are being developed at a breathtaking speed. Whether we like it or not, whether we are ready or not, digital technologies are going to penetrate more and more, deeper and deeper, into every aspect of our lives. This is going to fundamentally change how we live, how we work, and how we socialize.

**Visual Analytics with Tableau**  
Alexander Loth  
ISBN: 978-1-119-56020-3 • Aug 2019 • 224pp

*A four-color journey through a complete Tableau visualization*

Tableau is a popular data visualization tool that’s easy for individual desktop use as well as enterprise. Used by financial analysts, marketers, statisticians, business and sales leadership, and many other job roles to present data visually for easy understanding, it’s no surprise it’s such a popular tool.  
*Visual Analytics with Tableau* is a complete journey in Tableau visualization for a non-technical business user. You can start from zero, connect your first data, and get right into creating and publishing awesome visualizations.

**Beginning Flutter**  
**A Hands On Guide To App Development**  
Marco L. Napoli  

*Build your first app in Google Flutter—no experience necessary!*

*Beginning Flutter: A Hands On Guide to App Development* is the essential resource for both experienced and novice developers interested in getting started with Flutter—the powerful new mobile software development kit. With Google Flutter, you can quickly and easily develop beautiful, powerful apps for both Android and iOS, without the need to learn multiple programming languages or juggle more than one code base. This book walks you through the process step by step.
**Keras to Kubernetes**
The Journey of a Machine Learning Model to Production
Dattaraj Rao

Build a Keras model to scale and deploy on a Kubernetes cluster
We have seen an exponential growth in the use of Artificial Intelligence (AI) over last few years. AI is becoming the new electricity and is touching every industry from retail to manufacturing to healthcare to entertainment. Within AI, we’re seeing a growth in Machine Learning (ML) and Deep Learning (DL) applications. ML is all about learning relationships from labeled (Supervised) or unlabeled data (Unsupervised). DL has many layers of learning and can extract patterns from unstructured data like images, video, and audio.

**Python Machine Learning**
Wei-Meng Lee
ISBN: 978-1-119-54563-7 • May 2019 • 250pp

Author’s Previous Titles Licensed in Beginning Swift Programming; Beginning Android 4 Application Development; Beginning Android Application Development
This book covers machine learning, one of the hottest topics in more recent years. With computing power increasing exponentially and costs decreasing at the same time, there is no better time for machine learning. Machine learning tasks that usually require huge processing power are now possible on desktop machines. However, machine learning is not for the faint of heart -- it requires a good foundation in statistics, as well as programming knowledge. This code-intensive book encourages readers to try out various examples of both topics which are designed to be compact, yet easy to follow and understand.

**Transformational Security Awareness**
What Neuroscientists, Storytellers, and Marketers Can Teach Us About Driving Secure Behaviors
Perry Carpenter

Expert guidance on the art and science of driving secure behaviors
Transformational Security Awareness empowers security leaders with the information and resources they need to assemble and deliver effective world-class security awareness programs that drive secure behaviors and culture change.

Author Perry Carpenter weaves together insights and best practices from experts in communication, persuasion, psychology, behavioral economics, organizational culture management, employee engagement, and storytelling to create a multidisciplinary masterpiece that transcends traditional security education and sets you on the path to make a lasting impact in your organization.
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