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## UZESXD - FRENCH CARLO

Dermatology constitutes a large percentage of the daily caseload in small animal practice and can represent a challenge for the busy practitioner, as many different diseases have similar presenting signs. For this reason, a structured understanding of how to approach a dermatological case is essential for a successful outcome. The 4th edition of the BSAVA Manual of Canine and Feline Dermatology has been completely updated, chapters have been expanded and structurally divided to include the management of specific diseases and common dermatological cases, such as ectoparasite infestation and its treatment and prophylaxis, atopic dermatitis and its management, superficial and deep pyoderma and their treatment, feline-specific conditions and their management, autoimmune and immune-mediated diseases and a targeted management, etc. New chapters have also been added to this new edition, such topical treatments, nutrients of the skin and regional dermatoses. The manual begins by providing the reader with a grounding in examination and investigative techniques, including a new chapter on cytology. The second section focuses on a problem-oriented approach to common dermatological conditions and their management. The final part of the manual covers the major skin diseases of dogs and cats.

Following the success of previous editions, the BSAVA Manual of Canine and Feline Dentistry and Oral Surgery 4th edition is a timely publication in what is an internationally growing specialist field. It is an accessible source of core information for general small animal veterinary surgeons, students and nurses/technicians interested in developing their knowledge and practical skills in dentistry and oral surgery. New for this edition are the inclusion of step-by-step operative techniques with detailed full-colour photographs and new illustrations, including the process for taking dental radiographs, and techniques for the management of periodontal disease, dental and oral trauma, developmental disorders and neoplasia, and closed and open tooth extractions.

Two central problems in computer science are P vs NP and the complexity of matrix multiplication. The first is also a leading candidate for the greatest unsolved problem in mathematics. The second is of enormous practical and theoretical importance. Algebraic geometry and representation theory provide fertile ground for advancing work on these problems and others in complexity. This introduction to algebraic complexity theory for graduate students and researchers in computer science and mathematics features concrete examples that demonstrate the application of geometric techniques to real world problems. Written by a noted expert in the field, it offers numerous open questions to motivate future research. Complexity theory has rejuvenated classical geometric questions and brought different areas of mathematics together in new ways. This book will show the beautiful, interesting, and important questions that have arisen as a result.

So you have a camcorder and visions of being the next Spielberg. But how do you progress from shooting so-so footage to showing your own finished movie? Digital Video For Dummies, 4th Edition gives you the know-how and the show-how! Find out how to shoot and edit great movies, using iMovie, Windows Movie Maker, or Adobe Premiere Elements to add the finishing touches like special effects and your own soundtrack. With the latest information and lots of illustrations and screen shots, this friendly guide walks you through: Getting your computer ready to work with digital video (complete with information about FireWire) Choosing a camcorder, including features to look for and features that are useless Digitizing old VHS videotapes to preserve memories Purchasing other movie making gear, including audio and lighting equipment Shooting better video, with tips on lighting, panning, using the zoom, and recording better audio Creating your own sound effects such as footsteps, bones breaking, fire, thunder, insects buzzing, and more Capturing digital video using iMovie, Windows Movie Marker, or Premiere Elements Editing, including understanding timecode, organizing and previewing clips, and assembling clips in Story-

board and Timeline Adding transitions, titles, and special effects Importing and integrating video from phones and digital cameras Using audio rubberbands in iMovie, Premiere Elements, and other editing programs Adding narration, importing and working with CD audio, and adding a music soundtrack Keith Underdahl has extensive professional video production experience developing kiosk and marketing videos for Ages Software. Realizing that you'll want to polish and premiere your movie, he includes information on: More advanced video editing, including animating video clips, improving light and color, compositing video (bluescreen or greenscreen), and more 13 categories of video effects, ranging from blur and sharpen to transform Working with still photos and graphics Sharing your video online using QuickTime (/QT), RealMedia (.RM), or Windows Media Video (.WMV) Making tapes or burning DVDs in 9 steps With a handy cheat sheet of keyboard shortcuts, a chart comparing 10 video editing programs, a glossary, and more, with this guide you'll soon be saying "Lights, camera, action" and producing your own movie attraction.

Very roughly speaking, representation theory studies symmetry in linear spaces. It is a beautiful mathematical subject which has many applications, ranging from number theory and combinatorics to geometry, probability theory, quantum mechanics, and quantum field theory. The goal of this book is to give a "holistic" introduction to representation theory, presenting it as a unified subject which studies representations of associative algebras and treating the representation theories of groups, Lie algebras, and quivers as special cases. Using this approach, the book covers a number of standard topics in the representation theories of these structures. Theoretical material in the book is supplemented by many problems and exercises which touch upon a lot of additional topics; the more difficult exercises are provided with hints. The book is designed as a textbook for advanced undergraduate and beginning graduate students. It should be accessible to students with a strong background in linear algebra and a basic knowledge of

abstract algebra.

This remains the Foundation Manual for information across the range of exotic pets, from small mammals, through birds, reptiles and amphibians, to invertebrates. Commoner pets, such as rabbits, rodents and budgies retain their place. However, the ever-increasing range of non-traditional pets encountered by the veterinary surgeon in practice is reflected in coverage of some new groups, such as marsupials, ratites and crocodilians.

Abstract Algebra: Theory and Applications is an open-source textbook that is designed to teach the principles and theory of abstract algebra to college juniors and seniors in a rigorous manner. Its strengths include a wide range of exercises, both computational and theoretical, plus many non-trivial applications. The first half of the book presents group theory, through the Sylow theorems, with enough material for a semester-long course. The second half is suitable for a second semester and presents rings, integral domains, Boolean algebras, vector spaces, and fields, concluding with Galois Theory.

The first edition of the BSAVA Manual of Canine and Feline Haematology and Transfusion Medicine was a leader in its field, and this new edition has been eagerly awaited. The basic principles of haematology, which form the core of the Manual, have been updated to include new diagnostic procedures and new treatment strategies. New authors provide a fresh perspective on some topics and there are new chapters on anaemia of inflammation and neoplasia, non-regenerative anaemia, and vascular thrombosis. The author panel is comprised of internationally recognized specialists from Europe, North America, the Middle-East and Australia. These have worked together with the Editors to produce an essential book for the veterinary practice.

The ultimate resource for designers, engineers, and analyst working with calculations of loads and stress.

Confident radiographic interpretation presents a considerable challenge and the BSAVA Manual of Canine and Feline Radiography and Radiology provides a comprehensive review of the approach to radiological interpretation, the range of variants and the key fundamental principles and their application to common diseases. This Foundation Manual replaces the classic BSAVA Manual of Small Animal Diagnostic Imaging as an introduction for veterinary students, nurses and new graduates. The Manual features high quality radiographic reproductions demonstrating normal anatomy and key aspects of interpretation, as

well as illustrations showing patient positioning and the practical approach that is the hallmark of the BSAVA Manuals.

This new edition builds on the practical structure of its predecessor, with chapters arranged anatomically. Individual joints, the long bones, the skull and the spine are dealt with in discrete sections while soft tissues, bones and joints are considered more generally. The manual has been thoroughly revised and updated, while new chapters dedicated to imaging modalities such as CT, MRI and ultrasonography broaden the scope of the manual. Indications for use and illustrations add depth to this relatively new area of musculoskeletal imaging. Techniques and findings are explained clearly, ensuring that the content is accessible to veterinarians of all levels.

Accessible to junior and senior undergraduate students, this survey contains many examples, solved exercises, sets of problems, and parts of abstract algebra of use in many other areas of discrete mathematics. Although this is a mathematics book, the authors have made great efforts to address the needs of users employing the techniques discussed. Fully worked out computational examples are backed by more than 500 exercises throughout the 40 sections. This new edition includes a new chapter on cryptology, and an enlarged chapter on applications of groups, while an extensive chapter has been added to survey other applications not included in the first edition. The book assumes knowledge of the material covered in a course on linear algebra and, preferably, a first course in (abstract) algebra covering the basics of groups, rings, and fields.

Small animal endocrinology has advanced rapidly over the last few years, with the recognition of previously unreported disorders, improvements in diagnostic tests, and the emergence of novel options and refinements for treatment. In recognition of these advances, this second edition of the BSAVA Manual of Small Animal Endocrinology has been completely rewritten by a panel of international experts. This expanded edition offers a fresh approach, with the emphasis on clinical aspects, and a wealth of tables, algorithms and colour photographs. It provides the most comprehensive information available today in a format designed specifically for the busy small animal practitioner. BSAVA, BVNA and FECAVA members can claim their member discount by ordering direct from: British Small Animal Veterinary Association Woodrow House, 1 Telford Way, Waterwells Business Park, Quedgeley, Gloucester, GL2 4AB, Tel: 01452 726709, Fax: 01452 726701, E-mail:

publications@bsava.com

The BSAVA Guide to Procedures in Small Animal Practice provides practical, step-by-step guidance on how to perform the diagnostic and therapeutic procedures commonly performed in small animal veterinary practice. In addition, routine clinical examination of the major body systems, and protocols for the management of selected emergencies, are described. In addition to the actual technique, each procedure has information on indications and contraindications, equipment required, and potential complications, together with the editors' own hints and tips. Details of BSAVA Manuals where wider information can be found, such as interpretation of results, are given throughout. All procedures have been reviewed and updated to ensure that this remains a truly useful resource for the veterinary team. New for this edition: Edrophonium response test Gall bladder aspiration Gastric decontamination Local anaesthesia Peritoneal dialysis Separate section on system examinations Additional illustrations, many in full colour

A classic textbook on the principles of Newtonian mechanics for undergraduate students, accompanied by numerous worked examples and problems.

Authored by vets with experience in all aspects of avian care, this manual is an essential tool for those in general practice who do not often see birds. Subjects including anatomy and physiology, husbandry, behaviour, examination, surgical techniques are covered in detail; common presentations are also dealt with in individual chapters. Includes Quick Reference Guides Informative and detailed appendices Clinical signs-based section, exploring particular conditions in detail

The new edition of this popular manual has been extensively updated to reflect advances in this field, while readers will also find new chapters on inherited and cardiac disease. Clinical case studies have been retained, allowing readers to consider how they might approach common problems and see for themselves how test selection and interpretation are applied. Body systems are dealt with in their own discrete chapters, as are urinalysis, blood cells and proteins. Full-colour photographs and illustrations can be found throughout, which will prove indispensable to clinical pathologists, clinicians and veterinary students keen to get grips with a rapidly expanding subject.

Since publication of the third edition in 2004 there have been important advances. Several endocrine disorders, such as feline acromegaly and hyperaldosteron-

ism, have risen in importance. The use of diet and novel insulins in diabetic cats, and new drugs such as trilostane and methimazole, which were briefly mentioned in previous editions are now considered routine. In addition, the genetic risks associated with many disorders have been elucidated. A new chapter presents the principles of interpreting endocrine test results and discusses how test performance is assessed in relation to diagnostic confidence. The central section on glands and their diseases is presented in a standard format -- detailing physiology, aetiology, clinical features, diagnosis and treatment - to aid information retrieval. The final section has been rewritten to focus on solving clinical and clinicopathological abnormalities with an endocrine dimension.

This completely new manual describes diseases of dogs and cats caused by bacteria, fungi and viruses, as well as protozoans and other parasites. Aimed primarily at UK vets in general practice, the book concentrates on common conditions such as cat 'flu, infectious diarrhoea and pyoderma. It also includes detailed information on a number of important diseases that may be seen in animals imported into the UK. Several infectious diseases that might be seen in quarantined animals are covered but in less depth. Important non-infectious differential diagnoses are noted in the text where appropriate. A problem-oriented rather than a 'pattern recognition' approach has been adopted. Infections are grouped together by affected body systems rather than by taxonomic classification. Thus, all gastrointestinal viruses, bacteria and parasites are considered in one chapter. When an infectious agent has more than one presentation (e.g. canine distemper virus) then one chapter contains the main details of clinical signs, diagnosis, treatment and control. Other chapters contain relevant details of clinical signs for the system but the reader is cross-referred to the main chapter for other information. Although the Manual does not provide details of microbial structure, replication, molecular biology and post-mortem findings that are not directly important to the practitioner, modern diagnostic techniques using molecular biology are described. The authors have been drawn from a wide variety of institutions in the UK and were selected for their knowledge of internal medicine and infectious diseases. The text is extensively illustrated throughout with numerous tables, illustrations and flow charts plus quality colour photographs. BSAVA, BVNA and FECAVA members can claim their member discount by ordering direct from: British Small Animal Veterinary Association Woodrow

House, 1 Telford Way, Waterwells Business Park, Quedgeley, Gloucester, GL2 4AB, Tel: 01452 726709, Fax: 01452 726701, E-mail: publications@bsava.com

This book is intended to present group representation theory at a level accessible to mature undergraduate students and beginning graduate students. This is achieved by mainly keeping the required background to the level of undergraduate linear algebra, group theory and very basic ring theory. Module theory and Wedderburn theory, as well as tensor products, are deliberately avoided. Instead, we take an approach based on discrete Fourier Analysis. Applications to the spectral theory of graphs are given to help the student appreciate the usefulness of the subject. A number of exercises are included. This book is intended for a 3rd/4th undergraduate course or an introductory graduate course on group representation theory. However, it can also be used as a reference for workers in all areas of mathematics and statistics.

High-dimensional probability offers insight into the behavior of random vectors, random matrices, random subspaces, and objects used to quantify uncertainty in high dimensions. Drawing on ideas from probability, analysis, and geometry, it lends itself to applications in mathematics, statistics, theoretical computer science, signal processing, optimization, and more. It is the first to integrate theory, key tools, and modern applications of high-dimensional probability. Concentration inequalities form the core, and it covers both classical results such as Hoeffding's and Chernoff's inequalities and modern developments such as the matrix Bernstein's inequality. It then introduces the powerful methods based on stochastic processes, including such tools as Slepian's, Sudakov's, and Dudley's inequalities, as well as generic chaining and bounds based on VC dimension. A broad range of illustrations is embedded throughout, including classical and modern results for covariance estimation, clustering, networks, semidefinite programming, coding, dimension reduction, matrix completion, machine learning, compressed sensing, and sparse regression.

Anaesthesia and analgesia is a constantly advancing field and this new edition has been extensively revised and updated to take account of the latest techniques and considerations. The structure, which has worked so well for the previous editions, has been retained and there are new chapters on pain assessment methods, anaesthesia for MRI and how to manage chronic pain. Full-colour illustrations, tables and charts allow readers to easily visu-

alise techniques, ensuring that this manual will be a must-have for any practice.

Excel as an Assistant Cameraman (AC) in today's evolving film industry with this updated classic. Learn what to do—and what NOT to do—during production and get the job done right the first time. The Camera Assistant's Manual, Sixth Edition covers the basics of cinematography and provides you with the multi-skill set needed to maintain and transport a camera, troubleshoot common problems on location, prepare for job interviews, and work with the latest film and video technologies. Illustrations, checklists, and tables accompany each chapter and highlight the daily workflow of an AC. This new edition has been updated to include: A fresh chapter on the entry level camera positions of Camera Trainee/Production Assistant Coverage of emerging iPhone apps that are used by filmmakers and ACs on set An updated companion website offering online tutorials, clips, and techniques that ACs can easily access while on location ([www.cameraassistantmanual.com](http://www.cameraassistantmanual.com)) All new sample reports and forms including AC time cards, resumé templates, a digital camera report, and a non-prep disclaimer Instruction and custom forms to help freelance filmmakers keep track of daily expenses for tax purposes The Camera Assistant's Manual, Sixth Edition is an AC's bible for success and a must-have for anyone looking to prosper in this highly technical and ever-changing profession.

The BSAVA Manual of Canine and Feline Abdominal Imaging is the third Manual in the diagnostic imaging series. The first section of the Manual outlines the approach to abdominal imaging, with chapters dedicated to radiography and ultrasonography. The remainder of the Manual is devoted to the individual body systems, including the liver and gallbladder, the kidneys and ureters, and the small intestine. Extensively illustrated throughout.

Rabbits make up a considerable and growing proportion of the caseload in small animal practice, and both interest and knowledge in rabbit medicine and surgery has grown rapidly. In recognition of this, the BSAVA Manual of Rabbit Medicine and Surgery has been superseded by two separate volumes - the BSAVA Manual of Rabbit Surgery, Dentistry and Imaging and the BSAVA Manual of Rabbit Medicine. There is an increased understanding of the pathology of common diseases and greater awareness both of new conditions affecting this species and of their response to both disease and treatment regimes. This new BSAVA Manual of Rabbit Medicine features new chapters such as 'The rabbit-friendly

practice', 'Neoplasia', and 'Endocrine disease'. Other chapters have been updated and expanded, and the introduction of new authors has brought fresh insights and opinions to several topics. The authors provide a greater depth and breadth of coverage for practitioners seeking definitive and authoritative information to improve and refine the quality of veterinary care that they can provide for rabbits. These two manuals now provide the most comprehensive and up-to-date coverage of all aspects of rabbit veterinary care currently available, in an easy-to-use, well illustrated format following the tried and tested BSAVA Manual template.

This new addition to the BSAVA Foundation Manual series serves to provide an easily accessible source of practical advice on the management of common feline problems encountered in first-opinion practice. It begins with an introduction to important general issues in effective feline practice, including handling techniques, principles of examination and how to ensure a cat-friendly practice. Gold-standard preventive healthcare guidelines focusing on a life-stage approach and a discussion on therapeutics including antibiotic use, analgesia and anaesthesia follow. The main part of the Manual comprises problem-oriented sections that focus on the investigation and initial management of, first, emergencies and then other common presentations such as alopecia, polydipsia and seizures. The final systems-based section gives more detailed information on the management of the disorders commonly seen in general practice. The Manual gives enough information for any vet to deal very competently with commonly seen feline problems, also providing guidance on where to go for further information if required. Where appropriate, guidelines are also given for when referral should be considered, and for situations where financial limitations may exist. A unique feature of this Manual are the many 'Quick Reference Guides' (QRGs) provided throughout, which present practical techniques and treatments in easy-to-follow step-by-step guides, with clear colour photographs illustrating each step whenever possible. The international panel of authors were carefully chosen for their practical expertise and passion in different areas of feline practice. The practical and easy-to-follow advice provided in this Manual makes it essential reading for all new graduates and first-opinion vets who see feline cases, as well as veterinary students and veterinary nurses worldwide.

This new edition presents a logically arranged and readily accessible source of practical information for general practition-

ers, veterinary surgeons studying for certificate level qualifications in surgery, veterinary students, nurses and technicians. The manual covers investigation of lameness, and other musculoskeletal disorders, principles of orthopaedic surgery and the management of disorders affecting specific joints. Imaging and operative technique sections provide a ready practical reference.

This book is written as an introduction to higher algebra for students with a background of a year of calculus. The book developed out of a set of notes for a sophomore-junior level course at the State University of New York at Albany entitled Classical Algebra. In the 1950s and before, it was customary for the first course in algebra to be a course in the theory of equations, consisting of a study of polynomials over the complex, real, and rational numbers, and, to a lesser extent, linear algebra from the point of view of systems of equations. Abstract algebra, that is, the study of groups, rings, and fields, usually followed such a course. In recent years the theory of equations course has disappeared. Without it, students entering abstract algebra courses tend to lack the experience in the algebraic theory of the basic classical examples of the integers and polynomials necessary for understanding, and more importantly, for appreciating the formalism. To meet this problem, several texts have recently appeared introducing algebra through number theory.

In the 6 years since the bestselling first edition of the BSABA Manual of Rabbit Medicine and Surgery was published, the field has changed dramatically and there has been a significant increase in our understanding of rabbit health and disease. The increase in knowledge is reflected in this second edition, not only by the increase in length but also by the addition of four new chapters. General nursing care and hospital supportive care required for these patients. Diagnostic imaging uses specially drawn illustrations to explain optimal positioning, and includes both normal and abnormal radiographs plus ultrasound, CT and MRI images. Cardiovascular disorders describes diagnostics, including a useful table of ECG values, and medical management of cardiac and vascular problems. Finally, the new chapter on Dentistry builds on the information given in the first edition and illustrates both the diagnostic approach and treatment of common conditions. The introduction of a new co-editor and some new authors has brought new insights and opinions to several areas.

This new edition of one of the BSAVA's

most popular Manuals has been extensively revised, drawing on the expertise of a predominantly new roster of authors. The Manual focuses on commonophthalmic conditions in dogs and cats, structured into examination and clinical techniques; diagnosis and treatment of common ocular diseases, and a problem-oriented approach to common clinical presentations. The Manual provides an accessible source of practical information for general practitioners, veterinary students, nurses and technicians, and will also be a useful resource for those working toward specialist qualifications.

Fully updated and expanded to keep pace with the developments in this area of small animal practice, this new edition covers all aspects of treating reptile patients, including diagnosis, surgical techniques and euthanasia. Chapter dedicated to anatomy and physiology A consideration of the reptile pet trade Revised and expanded appendices New chapters on crocodilians and sea turtles

An Introduction to Analysis, Second Edition provides a mathematically rigorous introduction to analysis of real-valued functions of one variable. The text is written to ease the transition from primarily computational to primarily theoretical mathematics. Numerous examples and exercises help students to understand mathematical proofs in an abstract setting, as well as to be able to formulate and write them. The material is as clear and intuitive as possible while still maintaining mathematical integrity. The author presents abstract mathematics in a way that makes the subject both understandable and exciting to students.

The BSAVA Guide to Pain Management in Small Animal Practice is an essential reference guide for use in daily practice by all members of the veterinary team. Presented in an easy-to-read instructional format, this guide is intended to give practitioners practical information on pain management for small animals, including cats and dogs, birds, rabbits and exotic pets, with an emphasis on patient welfare and evidence-based medicine. The early chapters lay the foundations of pain management, including the physiology of pain, acute and chronic pain, pharmacological treatment and physical treatment. The following chapters focus on particular pain scenarios, such as dental pain and cancer pain, using authors' perspectives and case examples to enhance guidelines.

The number of exotic and wildlife cases presented at the veterinary practice has increased significantly in the past 10 years, with increasing expectations regarding level of care. The nursing requirements of th-

ese less familiar species are significantly different from those of dogs and cats. This Manual provides veterinary nurses with a greater understanding of these requirements, enabling them to modify and apply their skills to these cases. Written by veterinary nurses and veterinary surgeons with expertise in this field, this Manual is practical and user-friendly, enabling the easy and direct application of theory to practice. Patient care is discussed in a logical sequence, from the initial telephone call through to consultation, admittance, hospitalization and intervention. A variety of useful tools, including husbandry questionnaires, anaesthesia record forms and a collection of client handouts are also included. An ideal resource for student and qualified veterinary nurses, as well as other members of the veterinary health-care team.

Trauma management is an everyday necessity in small animal practice, and the correct approach to managing fractures is vital for both short-and long-term success. This manual describes the theory and key concepts of fracture fixation and healing and deals with orthopaedic surgical principles and instrumentation and approaches to different types of fracture. The manual also gives a completely new practical guide to surgery for each situation. Specially commissioned full-colour illustrations show operative techniques step by step, and charts give full information on preparation, positioning, instrumentation and procedures. Specific fractures are dealt with by region, with the emphasis on decision making and practical advice. The final part of the book covers the treatment and pre-

vention of complications. BSAVA, BVNA and FECAVA members can claim their member discount by ordering direct from: British Small Animal Veterinary Association Woodrow House, 1 Telford Way, Waterwells Business Park, Quedgeley, Gloucester, GL2 4AB, Tel: 01452 726709, Fax: 01452 726701, E-mail: publications@bsava.com

The complete reference to these important graphics languages that are supported by many Hewlett-Packard graphics peripherals. This comprehensive tutorial offers you a complete education in HP-GL/2, the standardized version of Hewlett-Packard's Graphics Language, and HP RTL, Hewlett-Packard's Raster Transfer Language. To help you get the highest quality output from your plotters and printers, this information is broken down into the following sections: An introduction to plotting and printing using HP-GL/2 and HP RTL HP-GL/2, including descriptions of the kernel and the extensions HP RTL, including how to define images, colors, and interactions, and how to transmit data Tips on writing efficient programs An extensive glossary and index With this book, you will learn how to make effective use of the coordinate system, scale your data, write device drivers, set colors, and compress raster data. The book assumes that you have a knowledge of your computing system and familiarity with at least one programming language. All numbers are presented using the International System of Units. 0201310147B04062001

Niku offers comprehensive, yet concise coverage of robotics that will appeal to engineers. Robotic applications are drawn

from a wide variety of fields. Emphasis is placed on design along with analysis and modeling. Kinematics and dynamics are covered extensively in an accessible style. Vision systems are discussed in detail, which is a cutting-edge area in robotics. Engineers will also find a running design project that reinforces the concepts by having them apply what they've learned.

The importance of animal behavior and psychological well-being is increasingly being recognized in the veterinary profession. This new edition is designed to be even more practical and user-friendly than the first. For a range of behavioral presentations, consideration is given to evaluation of the patient, including any possible underlying disease; evaluation of client attitudes, beliefs and behavior; risk evaluation; behavioral biology of the condition; acute management protocols; long-term treatment strategies; prognosis; follow-up; and preventive measures. A special chapter on shelter animals has been added, as this is an area where veterinary support is increasingly sought in both health and husbandry. An included CD offers client handouts, history-taking forms, detailed behavioral questionnaires for each species and a referral form.

Real-world applications--Integrates real-world analysis and design applications throughout the text. Examples include: the sun-seeker system, the liquid-level control, dc-motor control, and space-vehicle payload control. \* Examples and problems--Includes an abundance of illustrative examples and problems. \* Marginal notes throughout the text highlight important points.