Anatomy and Physiology of Farm Animals
Avian Reproduction
Veterinary Ethics
Comparative Reproductive Biology
Understanding Veterinary Physiology (For Undergraduate Students)
Dukes' Physiology of Domestic Animals
Dukes' Physiology of Domestic Animals
Genetics and the Behavior of Domestic Animals
Dyce, Sack, and Wensing's Textbook of Veterinary Anatomy
Cunningham's Textbook of Veterinary Physiology — E-Book
Avian Physiology
Dukes' Physiology of Domestic Animals
Dukes' Physiology of Domestic Animals
Anatomy
Veterinary Microbiology
Diseases of Poultry
Anatomy of Domestic Animals
Veterinary Embryology
Physiology of Domestic Animals
McDonald's Veterinary Endocrinology and Reproduction
The Complete Textbook of Veterinary Nursing
2Dukes' Physiology of Domestic Animals
Vetemicrobiology
Livestock Production
Management
Dukes' Physiology of Domestic Animals
Dr. Kellon's Guide to First Aid for Horses
Olfaction in Animal Behaviour and Welfare
What If A Textbook of Animal Husbandry
Dellmann's Textbook of Veterinary Histology
Color Atlas of Veterinary Histology
Dukes' Physiology of Domestic Animals
Physiology of Domestic Animals
The Physiology of Domestic Animals
Basic Veterinary Immunology


The long awaited update to this classic text, McDonald's Veterinary Endocrinology and Reproduction provides students of veterinary medicine and animal science a concise and practical textbook specifically for endocrinology and reproduction in domestic animals. The text brings together material only previously available as scattered resources. This fifth edition is completely reworked and updated, from chapter text to artwork. Topics include domestic species, llamas, and South American camelids with all aspects of reproductive anatomy and physiology incorporated.

Physiology.

A thorough appreciation of the cellular, molecular and tissue changes which precede the birth of an animal is a fundamental requirement for understanding normal structural development and also abnormal processes which result in congenital defects. This textbook provides information relevant to many subjects taught in preclinical, paraclinical and clinical years. Early chapters describe and explain sequential events relating to the division, growth and differentiation of cells and to the formation of foetal membranes, implantation and placentation. Succeeding chapters trace the origin, growth, development and maturation of the major body systems. Age determination of the embryo and foetus is reviewed in a single chapter. Genetic, chromosomal and environmental factors which adversely affect pre-natal development are reviewed in the final chapter. A reading list at the end of each chapter offers additional sources of information on the topics discussed. Tables, flow diagrams and numerous hand-drawn illustrations provide information in a form which complements the concepts presented in the text. Key features: Written by a team which includes members with expertise in developmental anatomy, molecular biology and clinical aspects of veterinary medicine. The authors have extensive experience in the teaching of veterinary embryology and cognate subjects. Illustrations, hand-drawn by a veterinary graduate, are used extensively to explain organogenesis and system development. An explanatory glossary provides concise information on specialised terms used in the text. The index is designed for easy retrieval of information.
In this ground-breaking account of the political economy and cultural meaning of blood in contemporary India, Jacob Copeman and Dwaipayan Banerjee examine how the giving and receiving of blood has shaped social and political life. Hematologies traces how the substance congeals political ideologies, biomedical rationalities, and activist practices. Using examples from anti-colonial appeals to blood sacrifice as a political philosophy to contemporary portraits of political leaders drawn with blood, from the use of the substance by Bhopali children as a material of activism to biomedical anxieties and aporias about the excess and lack of donation, Hematologies broaches how political life in India has been shaped through the use of blood and through contestations about blood. As such, the authors offer new entryways into thinking about politics and economy through a "bloodscape of difference": different sovereignties; different proportionalities; and different temporalities. These entryways allow the authors to explore the relation between blood’s utopic flows and political clottings as it moves through time and space, conjuring new kinds of social collectivities while reanimating older forms, and always in a reflexive relation to norms that guide its proper flow.

Evidence-based, yet entirely practical, this important new text builds upon the basics of neuroscience to describe the links between olfaction and animal behaviour, and the effects of odours in animal welfare. Animals use smells in a multitude of ways: to orientate themselves, to create social bonds, to recognise food, to initiate reproduction, and to avoid predators and imminent threats such as fire. Starting from the scientific basis of olfaction and odour perception, the book covers pheromones and behavioural tests, before describing the role of olfaction in feeding behaviour, reproduction, disease detection, and animal housing. This is a captivating introduction to the world of smells, suitable for advanced students, researchers, and teachers of applied ethology, animal welfare and veterinary science.

Veterinary Microbiology, Third Edition is a comprehensive reference on the bacterial, fungal, and viral pathogenic agents that cause animal disease. Now in full color with improved images throughout, the new edition has been thoroughly updated to reflect information from current research and diagnostic and clinical publications. Key changes include a review of microbial cell structure and function and increased emphasis on the key points of pathogenesis and host responses to infection. Organized into four sections, the Third Edition begins with an updated and expanded introductory section on infectious disease pathogenesis, diagnosis and clinical management. The second section covers bacterial and fungal pathogens, and the third section describes viral diseases and viruses. The final section presents a systematic approach of describing infection and disease of animals. Equally useful for beginning veterinary students and seasoned practitioners, Veterinary Microbiology offers a thorough introduction and reference text for veterinary infectious disease.


The title is the result of a long thinking of Veterinary Physiology, from a learner’s point of view. In authors viewpoint ‘Physiology is the language of medicine and health’. Therefore, he opines that, it should be taught and learnt to its details, but in a way, to release abstinence in use of books due to inevitable descriptiveness. Keeping this in mind, this book is planned to impart understanding of Veterinary Physiology in a different synoptic manner, in order to make its study crisp and effective. It will not only help students understand the various physiological processes, but also will help them study it to the point of guidance on every walk of life as a clinician, as well as an academician, in future. Furthermore, the contents being planned as per the requirement of syllabus prescribed by the esteemed Veterinary Council of India, hopefully it will be useful
in preparation of various examinations, too. However, it will be helpful to develop and retain interest of any learner of Physiology over the globe. It tries to provide conceptual clarifications and to solve many mysteries of interesting complications in physiological processes, making it an interesting science, to study, to know and to widely apply in various references, as well.

The most recent revision of this comprehensive text covers the bacterial, fungal, and viral pathogenic agents that are significant causes of animal disease. The focus includes pathogenic mechanisms and processes in infectious diseases; methods of diagnosis; and principles of resistance, prevention, and therapy. Veterinary Microbiology, Second Edition is now organized in four sections according to the most appropriate methods of instruction. Section 1 deals with the general characteristics of the host–parasite relationship, laboratory diagnosis of conditions involving an infectious etiology, antimicrobial treatment, and prevention of infectious disease. Sections 2 (bacteria and fungi) and 3 (viruses) present the infectious agents that affect the veterinary species. The chapters dealing with the bacterial agents are grouped mainly by morphology, and their gram-staining characteristics. The fungal agents are grouped mainly by morphologic characteristics (yeast, mold). The viruses are grouped along taxonomic grounds. Section 4, an enhancement new to this edition, deals with the infectious agents in the context of the host. This section is organized by organ system. Each organ system is discussed first as a microbial habitat, followed by discussion of those infectious agents that mainly affect that particular system. In addition to serving as a resource for veterinary students, Veterinary Microbiology, Second Edition also serves as a convenient reference for veterinarians and veterinary scientists whose main line of activity and expertise is outside the areas of microbiology.

As a part of life sciences, anatomy refers to the study of structure of living organisms and their body parts. It uses the elements of evolutionary biology, embryology, phylogeny, comparative anatomy, etc. to study, analyze and understand the structure of living beings. Animal anatomy refers to the study of structure of animals. It includes understanding animal tissues, vertebrate anatomy, arthropod anatomy, etc. This book is a compilation of chapters that discuss the most vital concepts in the field of animal anatomy. It outlines the processes and applications of this field in detail. This textbook is meant for students who are looking for an elaborate reference text on animal anatomy.

Since the publication of earlier editions, there has been an increase in research activity in a number of areas, including new muscle, endocrines, reproduction, digestion and immunity. The fourth edition contains two new chapters, on the nervous system, sense organs, of areas, with each succeeding edition including new muscle, endocrines, reproduction, digestion and immunity. Contributors from previous editions have expanded their offerings considerably. The fourth edition contains two new chapters, on muscle and immunophysiology, the latter an area journals and books for the many illustrations used. Indi where research on Aves has contributed significantly visual acknowledgement is made in the legends and to our general knowledge of the subject. references. Preface to the 'Third Edition Since the publication of the first and second editions, pathways of birds and mammals. New contributors in there has been a considerable increase of research activity in avian physiology in a number of areas, including peltly revised and expanded the chapters on respiration, endocrinology and reproduction, heart and circulation, tions and the nervous system, respectively, and J. G. metabolism, temperature regulation, and to a lesser ex Rogers, Jr., W. J. Mueller, H. Opel, and D. e. Meyer, who have made contributions to Chapters 2,16, 17, tent in some other areas. There appeared in 1972–1974 a four volume treatise and 19, respectively.

Packed with fun, incredible and often downright disgusting facts about the animal world, this is a book that will both entertain and educate. With questions like:
'What if people behaved like animals?', 'What if you had pop-up claws?', 'What if you could taste with your feet?' and 'What if your mum puked in your mouth?'. Full of awesome illustrations, this book shows kids the hilarious consequences of animal behaviour in the human world.

This is the definitive reference for the small animal practitioner to normal radiographic anatomy of the cat and dog. With over forty years of experience between them, the authors have produced an invaluable reference atlas for the veterinary practitioner. The book is suitable for the general and referral based practitioner, undergraduate or postgraduate veterinary surgeon. Over 550 radiographic images analysed and explained. More than 50 new figures added, with the quality of existing images enhanced. Revised contents and page headers for easy-reference. Clear informative line drawings to trace radiographic shadows and schematic drawings of underlying structures not seen in plain radiographs.

Learn how to understand normal body functions before learning about the mechanisms of veterinary disease. Cunningham's Textbook of Veterinary Physiology, 6th Edition approaches this vast subject in a practical, user-friendly way that helps you grasp key concepts and learn how they relate to clinical practice. From cell physiology to body system function to homeostasis and immune function, this comprehensive text provides the solid foundation needed before advancing in the veterinary curriculum. Expanded resources on the companion Evolve website include state-of-the-art 3D animations, practice tests, a glossary, and Clinical Correlations. Clinical Correlations boxes present case studies that illustrate how to apply physiology principles and concepts to the diagnosis and treatment of veterinary patients. Practice questions at the end of each chapter test your understanding of what you’ve just read and provide valuable review for exams. Key Points at the beginning of each chapter introduce new concepts and help you prepare for exams. Full-color format highlights helpful information and enhances learning with a wealth of illustrations that visually depict specific functions and conditions. NEW! Updated animations added that are relevant to content. NEW! New contributors lend their unique perspective and expertise to the content.

Sound professional advice on what to do until the veterinarian arrives. Dr. Eleanor Kellon has created a quick and easy reference to conditions that require emergency treatment. Dr. Kellon’s Guide to First Aid for Horses offers guidelines to be followed in determining what a horse’s problem could be, and it suggests information that should be given to the veterinarian as soon as you call. The book is organized by color-coded chapters on specific types of problems, or on specific anatomical areas and organ systems. At the beginning of each chapter is a quick reference list of symptoms and topics that allows you to turn immediately to those sections of the chapter that might pertain to your horse’s problems. Dr. Kellon’s Guide to First Aid for Horses includes lists of symptoms and their causes, instructions for home treatment, and checklists of the first aid supplies necessary to deal with the following emergencies: Concussions, burns, and shock Abrasions, lacerations, bleeding Smoke inhalation, asthma, and emphysema Fever, botulism, and blood poisoning Colic, bloating, constipation, and diarrhea Hypothermia, hyperthermia, and frostbite Stroke, muscle cramps, laminitis, and seizures Bladder infection and stones in the urinary tract Prolonged labor, newborn emergencies Allergies and adverse drug reactions And many other life threatening situations or conditions Dr. Kellon also includes reference sections on preparing horses for treatment, restraint, drug reactions, and managing trapped horses. Give yourself the confidence to deal with any emergency veterinary situation by keeping a copy of Dr. Kellon’s Guide to First Aid for Horses close at hand.

The most complete and definitive reference to all aspects of poultry diseases, Diseases of Poultry, Fourteenth Edition has been fully revised and updated to offer a comprehensive survey of current knowledge. Updates the definitive reference of poultry health and disease Provides more clinically relevant information on
management of specific diseases, contributed by clinical poultry veterinarians
Offers information on disease control in organic and antibiotic-free production
Presents more concise, streamlined chapters for ease of use
Incorporates advances in the field, from new diagnostic tools and information to changes brought about by the increasing globalization and the re-emergence of zoonotic pathogens

his book is an excellent introductory course in physiology for the student in agricultural science, veterinary technology, and pre-veterinary medicine. It provides in-depth coverage of eight species, including horse, dog, cat, cow, sheep, goat, pig, and chicken. The latest edition is extensively revised, and features 133 newly created original drawings that capture the essence of physiologic concepts, and allow the reader to compare. Each chapter is followed by self-assessment and review questions, and at the back of the book readers will find answers to these questions as well as expanded explanations, providing a handy reference and study guide. The second edition provides augmented coverage of avian physiology, and a new chapter on bone has been added, with comprehensive presentation of the skeleton for each of the species. Lecturers - Click here to order a FREE Review Copy of this title!

Designed to fill the current gap in resources for teaching veterinary immunology, Basic Veterinary Immunology offers a solid background in the essentials of immunology within the context of veterinary medicine. The book combines a clinical framework complete with real-world examples to integrate the theory and practice of veterinary medicine. Each chapter begins with a clinically relevant veterinary issue and then presents one aspect of basic immunology in the context of that issue. All chapters include learning objectives and a clinical correlation follow-up section that includes student considerations and a review of the possible explanations for the clinical presentation. Illustrated with 250 full-color images and figures that will also be available as PowerPoint teaching aids, Basic Veterinary Immunology and related materials will be made available online to students, faculty, and clinical veterinarians in partnership with the Veterinary Information Network. Basic Veterinary Immunology will provide students with a good working knowledge of veterinary immunology that will serve them both in the completion of their curricula and in professional practice.

Physiology.


This book provides everything from basic knowledge to the recent understandings of avian reproductive physiology, covering many unique aspects. It will inspire avian biologists as well as researchers in varied fields and will offer important steps towards better fertilization success in birds. In spite of the recent remarkable developments in modern technology, a comprehensive understanding of the reproductive mechanisms is still far in the future due to the diverse reproductive tactics in vertebrates. Birds have highly refined reproductive strategies and some of those strategies are unique to birds. However, together with ongoing progress of the genome analysis of birds and the crying need for further increase in meat and egg production, research on avian reproduction is now accelerating and becoming more important. With contributions by leading scientists, the book explains avian primordial germ cells; the sex-determining mechanism; reproductive endocrinology and immunology; sperm, egg, and egg coat; sperm–egg interaction; polyspermic fertilization; seasonal reproduction; social triggers; hormonal and behavioral changes; broodiness; oviducal sperm storage; and biotechnology. This book is
recommended for all researchers and students who are interested in birds or reproduction.

The Complete Textbook of Veterinary Nursing has established itself as a recommended standard text for all veterinary nurses. It is designed both to satisfy the requirements of the syllabus studied by all student veterinary nurses and to provide a wide range of information for qualified nurses working in veterinary practice. This new second edition has been updated and revised to align it perfectly with the needs of a new generation of students. Comprehensive content endorsed by all leading course providers. Full colour illustrations for maximum clarity. Written by veterinary nurses for veterinary nurses. Additional online resources to maximize learning potential. Improved website offers a range of film clips of essential procedures, introduced and narrated by Victoria Aspinall – plus comprehensive test-yourself questions in both study and assessment modes. All chapters revised and updated in line with changes in legislation, knowledge and current practical techniques. Brand new chapters on Ethics and Welfare, Communication and Physiotherapy. New section on Nursing Care Models to provide veterinary nurses with the necessary information to use this concept in their own practices. Dog behaviour chapter updated and revised to reflect the latest thinking about the process of domestication of the dog and its relevance to training methods. Additional photographs added throughout for enhanced understanding and clarity. Entire text accessible as an e-book with full note-making, referencing and search functionality.

The revised edition is a real comprehensive integrated text to provide educational concepts and self study guide for students, researchers, teachers, livestock extension specialists and administrators interested in the study of Animal Husbandry. Contents: Taxonomy, Domestication and Animal Husbandry in India / An Introduction to Microbiology / Elementary Anatomy and Physiology / Animal Blood / Mechanisms of Reproduction / Mechanisms of Heredity / Animal Breeding / Artificial Insemination / Mammary Gland and Lactation / Animal Nutrition / Important Cattle Breeds and their Characteristics / Buffaloes / Dairy Farm Management / Pigs / Poultry / Goat / Sheep / Camel / Rabbit / Yak / Notes on Horse / Notes on Elephant

What should a vet do when a client can’t pay for their animal’s treatment? Or when asking their opinion on the killing of wildlife for disease control? Or when observing an animal welfare problem whilst off duty? Ethical problems are an everyday part of life for veterinarians, but it can be difficult to combine personal values with professional conduct. Veterinary Ethics presents a range of ethical scenarios that veterinarians and other allied animal health professionals may face in practice. The scenarios discussed are not only exceptional cases with potentially significant consequences, but often less dramatic everyday situations. The responses to these ethical problems are from practising veterinarians and acknowledged world experts in animal welfare and ethics. The advice given is thorough and detailed, covering different eventualities, the ethical knots and dilemmas, the personal feelings of those involved, as well as objective recommendations on ethical decision making and, where relevant, guidance from veterinary governing bodies and the law. The advice is framed in the form of veterinary life in the real world, not necessarily an ideal world. As well as practical guidance, the book takes a step back and explores the different philosophical arguments and standpoints and the resultant solutions and problems of each approach, examining the background and relationship between different philosophical schools of thought, ethics and veterinary care. The book strives to present decision making in response to ethical problems as transparently as possible, employing a range of ethical frameworks. The book also challenges the reader about their own decision making in given situations, what factors to consider and how they would achieve certain outcomes. [Subject: Bio-Ethics, Veterinary Medicine]

This is a major revision and redesign of a classic work in the field of veterinary medicine first published by Cornell University Press in 1933. For the Twelfth Edition of Dukes' Physiology of Domestic Animals, William O. Reece has overseen the
writing of an essentially new book that retains what was best about its predecessors. Long a standard text for veterinary practitioners and other professionals who seek to refresh their knowledge of particular subjects, Dukes' Physiology of Domestic Animals will now appeal to a new generation of students of veterinary medicine and animal science and to biomedical researchers. Section editors known for their scientific expertise and teaching skill oversaw the book's six main sections: The Body Fluids and Blood; Renal and Respiratory Function and Acid–Base Balance; The Cardiovascular System; Digestion, Absorption, and Metabolism; Endocrinology, Reproduction, and Lactation; and Nervous System, Special Senses, Muscle, and Temperature Regulation. This edition includes a complete listing of each chapter's contents immediately after the chapter head, study questions that highlight the major concepts of each major subsection, self-evaluation exercises at the end of the chapters, suggestions for further reading, and a comprehensive index.

Color your way to a complete mastery of veterinary anatomy with Veterinary Anatomy Coloring Book, 2nd Edition. Approximately 400 easy-to-color illustrations and corresponding anatomical descriptions guide you through the head, neck, back, thorax, abdomen, extremities, reproductive organs, and many more body parts of dogs, cats, horses, pigs, cows, goats, and birds. Plus, a new section on exotics takes you through the anatomy of ferrets, rodents, rabbits, snakes, and lizards to ensure you are well versed in all potential household pets. With this vivid change-of-pace study tool, you have the freedom to master veterinary anatomy in a fun and memorable way. Over 400 easy-to-color illustrations created by expert medical illustrators shows anatomy in detail and makes it easy to identify specific structures for an entertaining way to learn veterinary anatomy. Regional section organization (the head and ventral neck; neck, back, and vertebral column; thorax; abdomen; pelvis and reproductive organs; forelimb; and hindlimb) allows students to easily compare the anatomy of multiple species. Numbered lead lines clearly identify structures to be colored and correspond to a numbered list beneath the illustration. NEW! Section on exotics covers the anatomy of ferrets, rodents, rabbits, snakes and lizards in addition to the anatomy of dogs, cats, horses, pigs, cows, goats, and birds.

Designed to provide students with a foundation in understanding and interpreting histologic and cytologic preparations, Color Atlas of Veterinary Histology is a practical benchside reference focusing on the normal histology of eight common domestic species. This Third Edition has been revised with new images, information, and updated terminology throughout. Introductory chapters have also been expanded to offer more complete coverage of the basic types of tissues, providing an even more thorough grounding in the principles of histology. For the first time, the more than 900 photomicrographs are available digitally in an interactive atlas on CD, offering images available for download with zoom capability. The new edition of this veterinary-specific histology atlas provides veterinary and veterinary technician students with an essential pictorial resource for interpreting histologic preparations.

Behavior is shaped by both genetics and experience—nature and nurture. This book synthesizes research from behavioral genetics and animal and veterinary science, bridging the gap between these fields. The objective is to show that principles of behavioral genetics have practical applications to agricultural and companion animals. The continuing domestication of animals is a complex process whose myriad impacts on animal behavior are commonly under-appreciated. Genetic factors play a significant role in both species-specific behaviors and behavioral differences exhibited by individuals in the same species. Leading authorities explore the impact of increased intensities of selection on domestic animal behavior. Rodents, cattle, pigs, sheep, horses, herding and guard dogs, and poultry are all included in these discussions of genetics and behavior, making this book useful to veterinarians, livestock producers, laboratory animal researchers and technicians, animal trainers and breeders, and any researcher interested in animal behavior. Includes four new chapters on dog and fox behavior, pig behavior, the effects of domestication and horse behavior Syntesizes research from behavioral genetics, animal science, and
veterinary literature Broaches fields of behavior genetics and behavioral research Includes practical applications of principles discovered by behavioral genetics researchers Covers many species ranging from pigs, dogs, foxes, rodents, cattle, horses, and cats

The leading veterinary histology text returns with a fully updated sixth edition. Written in a concise, easy-to-understand that's a pleasure to read, this new edition continues the student-friendly tradition originated by Dr. Dellman, presenting the basics of histology including cytology and microscopic anatomy. The Sixth Edition focuses on the most current knowledge of cell, tissue and organ structure and function. All information has been fully revised and updated by the authors, both experts in their fields. Written with first year veterinary students in mind, it is also an important resource for veterinarians, graduate students, and others who require information on animal tissue structure and function. Highlights of the Sixth Edition include: New images and line drawings have been added to enhance the student's understanding of concepts. Two-page insert contains full-color histology images. Comprehensive listings of suggested readings at the end of each chapter encourage further study. The text is organized by body region, allowing the presentation to emphasize comparative species information so students can better appreciate how species differ in regard to key structures. Whether you're a veterinary student or practicing professional, you should have this classic histology reference as part of your working library.

When considering the physiological systems of the body, the degree of species variation within the reproductive system compared to other systems is remarkable. Furthermore, it is essential that researchers, educators, and students alike remain aware of the fundamental comparative differences in the reproductive biology of domestic species. Written by renowned scientists in their respective fields, Comparative Reproductive Biology is a comprehensive reference on the reproductive systems of domestic species. The book offers both broad and specific knowledge in areas that have advanced the field in recent years, including advances in cell and molecular biology applied to reproduction, transgenic animal production, gender selection, artificial insemination, embryo transfer, cryobiology, animal cloning and many others. This seminal text includes topics in animal reproduction that are usually only found as part of other books in animal science such as anatomy, histology, physiology, radiology, ultrasonography, and others. Comprehensive reference of the reproductive systems of domestic species Written by a team of top researchers Richly illustrated throughout, including 12 pages of color images