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This 14th edition of the phenomenally successful Principles of Anatomy and Physiology continues to set the standard for the discipline. Written and superbly illustrated for two-term, introductory Anatomy and Physiology students, this text offers a rich and complete teaching and learning environment. WileyPLUS is a research-based online environment for

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effective teaching and learning. WileyPLUS builds students' confidence because it takes the guesswork out of studying by providing a clear roadmap; what to do, how to do it, if they did it right. With WileyPLUS, students take more initiative so you'll have a greater impact. Access to WileyPLUS sold separately.

Foundation Mathematics for Biosciences provides an accessible and clear introduction to mathematical skills for students of the biosciences. The book chapters cover key topic areas and their

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associated techniques, thereby presenting the maths in context. A student focused pedagogical approach will help students build their confidence, develop their understanding and learn how to apply mathematical techniques within their studies. Students will be able to use the book as a resource to complement their theory-based textbooks and to prepare themselves for practical classes, tutorials and research projects. Key features The book progresses in a logical manner, opening with fundamental problems

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and then building to more complex calculations aligned to different disciplines in the biosciences. • Worked examples with detailed solutions provide step-by-step guidance through each calculation to help students build their practical skills. • Important rules and key points are highlighted in text boxes to help students consolidate their understanding of techniques and theory. • Illustrations provide insight into what students are likely to encounter in the laboratory. • Self-assessment questions

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are provided throughout to enable students to manage their learning and track their progress. • Learning objectives and key terms also help students to monitor their study. Suitable for students on courses from the pure end of the spectrum to more applied courses such as biomedical sciences, microbiology, molecular biology, physiology, and forensics. Dr Ela Bryson is Senior Lecturer in Molecular Biology at the School of Life and Medical Sciences at the University of Hertfordshire Dr Jackie Willis is Associate Dean of the School of

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Life and Medical Sciences at the University of Hertfordshire This book can be supported by MyMathLabGlobal, an online teaching and learning platform designed to build and test your understanding. The book and the MyMathLabGlobal system provide a range of benefits including:

- A tool for the diagnosis of existing strengths and weaknesses in maths
- A comprehensive set of algorithmically generated questions that can be used by students to practise and develop their skills in an independent and flexible

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manner and by the tutor to evaluate progress Need extra support? Were you looking for the book with access to MyXLab? This product is the book alone, and does NOT come with access to MyMathLabGlobal. Buy Title with MyMathLabGlobal access card (9780273774655) if you need access to MyMathLabGlobal as well, and save money on this resource. Ask your instructor about using MyLab.

Knowledge of veterinary anatomy and physiology is essential for veterinary

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professionals and researchers. The chapters reflect the diverse and dynamic research being undertaken in a variety of different species throughout the world. Whether the animals have roles in food security, agriculture, or as companion, wild, or working animals, the lessons we learn impact on many areas of the profession. This book highlights research ranging from the cardiovascular and musculoskeletal systems, prostate and hoof, through to histopathology, imaging, and molecular techniques. It investigates

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both healthy and pathological conditions at differing stages of life. The importance of each cell and tissue through to the whole organism is explored alongside the methodologies used to understand these vital structures and functions.

Critical Care in Childbearing for Midwives is a comprehensive, up-to-date guide surrounding the support, care and management of critically ill women in childbearing specifically written for midwives. Many women who have higher-risk

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pregnancies, complications or medical conditions require specialist obstetric or multidisciplinary care. Increasingly women, whose condition deteriorates and becomes critical during childbirth, are being cared for by midwives in obstetric high dependency units within the labour ward, rather than being cared for by nurses in ITU. Critical Care in Childbearing for Midwives explores all aspects of management, support and care of childbearing women who become critically ill due to pre-existing conditions or who

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develop critical illness as a result of complications of childbearing. It examines predisposing factors which result in the need for critical care, addresses specialist monitoring technology and skills, and explores autonomous practice and team approaches to providing care for critically ill women in childbearing.

Anatomy and Physiology for Nurses at a Glance is the perfect companion for study and revision for pre-registration nursing and healthcare students, from the publishers of the market-leading at a

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Glance series. Combining superb illustrations with accessible and informative text, this book covers all the body systems and key concepts encountered from the start of the pre-registration nursing or healthcare programme, and is ideal for anyone looking for an overview of the human body. Providing a concise, visual overview of anatomy and physiology and the related biological sciences, this book will help students develop practical skills, enabling them to become caring, kind and compassionate nurses. Superbly

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illustrated, with full colour illustrations throughout Breaks down complex concepts in an accessible way Written specifically for nursing and healthcare students with all the information they need Includes access to a companion website with self-assessment questions for each chapter Available in a range of digital formats- perfect for 'on the go' study and revision Now you can learn and master anatomy with ease, while having fun, through the unique approach of Netter's Anatomy Coloring

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Book, by John T. Hansen, PhD. Using this interactive coloring workbook, you can trace arteries, veins, and nerves through their courses and bifurcations...reinforce your understanding of muscle origins and insertions from multiple views and dissection layers...and develop a better understanding of the integration of individual organs in the workings of each body system throughout the human form. Online access to Student Consult—where you'll find the complete contents of the book and much more—further enhances your

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study and exponentially boosts your reference power. Whether you are taking an anatomy course or just curious about how the body works, let the art of Netter guide you! Provides multiple views, magnifications, and dissection layers that strengthen your understanding of 3-D anatomical relationships. Presents each topic in two-page spreads—with Netter anatomical illustrations accompanied by high-yield information—that gives context to the structures. Features illustrations small enough for quick coloring, but large

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enough to provide you with important details. Offers tips for coloring key structures that emphasize how a coloring exercise can reinforce learning. Uses Key Points to cover functional and clinical relevance and relationships. Contains tables that review muscle attachments, innervation, action, and blood supply. Features Clinical Notes which highlight the importance of anatomy in medicine. Includes online access to Student Consult where you can search the complete contents of the book, print additional copies of

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the coloring pages, view completed coloring pages for reference, access Integration Links to bonus content in other Student Consult titles...and much more...to further enhance your study and exponentially boost your reference power. This classic text, first published in 1935, is once again available. Still the standard reference in the English language, Principles of Insect Morphology is considered the author's masterpiece. A talented artist as well as one of the leading entomologists of his day, Robert

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E. Snodgrass produced a wealth of publications that display an accuracy and precision still unsurpassed. The 19 chapters in this volume cover each group of insect organs and their associated structures, at the same time providing a coherent morphological view of their fundamental nature and apparent evolution. To accomplish this aim, Snodgrass compares insect organs with those of other arthropods. Each chapter concludes with a glossary of terms. The 319 multipart illustrations are an invaluable source of

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information and have never been duplicated. This edition includes a new foreword by George Eickwort, Professor of Entomology at Cornell University, which relates the book to today's courses in insect morphology. Republication of this textbook will provide another generation of students with an essential foundation for their studies in entomology. This book introduces students to basic concepts in evolutionary developmental biology, for undergraduate and graduate courses.

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[Physiology in Childbearing](#)

[The Pocket Book of Bird Anatomy](#)

[Anatomy and Physiology for Midwives E-Book](#)

[Manipulation of the Spine, Thorax and Pelvis](#)

[Netter's Anatomy Coloring Book](#)

[Foundation Mathematics for Biosciences](#)

[Midwifery](#)

[Biology of Bats](#)

[Critical Care in Childbearing for Midwives](#)

[Principles of Anatomy and Physiology](#)

This handbook presents medical sciences for the

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dental student, trainee, and practitioner in a concise and easily accessible format, to ensure a clear understanding of how the non-clinical and clinical aspects of dentistry are integrated.

Endorsed by the Australian College of Midwives (ACM) and the New Zealand College of Midwives (NZCOM), *Midwifery: Preparation for Practice* has long been upheld as the definitive midwifery text for Australian and New Zealand midwifery students. Now in its 4th edition, the text presents a global model of midwifery best practice that is supported by a range of examples from the Australian, New

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Zealand and international midwifery contexts. Visit evolve.elsevier.com for your additional resources eBook on VitalSource Student and Instructor resources: Suite of videos Image collection PowerPoints Test Bank Review questions with answers Weblinks Now available in two volumes for ease of use: Book 1 focuses on the context of midwifery practice Book 2 focuses on midwifery practice New and significantly updated chapters include: man rights in childbirth Midwifery as primary healthcare Birth place and birth space Social and environmental determinants of women's health

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Contraception Variations in normal Endorsed by the Australian College of Midwives (ACM) and the New Zealand College of Midwives (NZCOM) NEW to the Evolve resources: a suite of 18 videos featuring interviews with midwifery lecturers and students who share inspirational insights, advice, challenges and opportunities for learning Now includes an eBook with all print purchases

The aim of this book is to be a core textbook of anatomy and physiology in childbearing. Written to present childbearing in the context of changes to non-pregnant physiology; therefore, both anatomy and

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physiology, their changes in pregnancy, and pathophysiology are all described. The book is divided into four sections - preconception, pregnancy, labour and puerperium - and it places childbearing in a total biological context so that concepts are drawn from disciplines such as evolution, ecology, biochemistry and cell biology. At all times, the text is related to practice and care giving. Written by a teacher/practitioner of midwifery with many years' experience of teaching this subject. Emphasises the links between knowledge and practice Text is well-designed and easy to read.

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Incorporates recent medical practice in caring for women and babies with problems. Places childbearing in a biological context to allow depth without denigrating social sciences' contribution to care. Fully updated throughout New material on genetics incorporated into the chapter on the cell. Highly illustrated throughout New 8pp colour plate section Further Reading fully updated and now with short annotations

Biology of Bats, Volume I, examines most of the basic characteristics related to the anatomy, physiology, behavior, and ecology of the bat. It

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covers the animal's evolution, as well as karyology, bioeconomics, zoogeography, principles of classification, and procedures and issues involved in the care and management of bats as research subjects in the laboratory. Organized into 10 chapters, this volume begins with a historical overview of bat origins and evolution, karyotypic trends in bats, and the role of karyotypes in studying the biology of bats. It then discusses the bat skeletal and muscular systems; flight patterns and aerodynamics; prenatal and postnatal development; migration and homing; ecology and physiological

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ecology of bat hibernation; thermoregulation and metabolism; and the urinary system, including gross anatomy and embryology, histophysiology, and renal physiology. It also looks at morphological contrasts between the skulls and dentitions of different families and genera of bats. This book will benefit biologists, zoologists, teachers, and others concerned with the general biology of Chiroptera.

"Anatomia clavus et clavis medicinae est." Anatomy is a fundamental science that studies the structure of the human body from ancient times. Over time, the discipline constantly expands with recent progress

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that has been produced in researching the human body. So, new methods of researching were incorporated in the anatomy development: plastic materials injections, plastination, computed techniques of sectional bodies, and embryology. Anatomic sections like macroscopic, mesoscopic, microscopic, and public anatomies; radiologic anatomy; computed anatomy; radiologic anatomies; and clinical anatomy contribute to realize a very complex discipline that represents the base of learning medicine.

Biomedical advances have made it possible to

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identify and manipulate features of living organisms in useful ways--leading to improvements in public health, agriculture, and other areas. The globalization of scientific and technical expertise also means that many scientists and other individuals around the world are generating breakthroughs in the life sciences and related technologies. The risks posed by bioterrorism and the proliferation of biological weapons capabilities have increased concern about how the rapid advances in genetic engineering and biotechnology could enable the production of biological weapons with unique and

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unpredictable characteristics. Globalization, Biosecurity, and the Future of Life Sciences examines current trends and future objectives of research in public health, life sciences, and biomedical science that contain applications relevant to developments in biological weapons 5 to 10 years into the future and ways to anticipate, identify, and mitigate these dangers.

This book provides the first comprehensive overview of the emerging field of interdisciplinary salivary bioscience. It serves as a foundational reference guide to the collection, analysis, and interpretation of

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salivary data, as well as its myriad applications in medicine, surveillance and public health. The ease and non-invasive nature of saliva collection makes it highly useful in diverse fields such as pediatrics, dentistry, neuroscience, psychology, animal welfare and precision medicine. This book introduces students and scientists alike to the vast potential of salivary bioscience in both research and practice. *The Anatomy of Dolphins: Insights into Body Structure and Function* is a precise, detailed, fully illustrated, descriptive, and functionally oriented text on the anatomy and morphology of dolphins. It

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focuses on a number of delphinid species, with keynotes on important dolphin-like genera, such as the harbor porpoise. It also serves as a useful complement for expanding trends and emphases in molecular biology and genetics. The authors share their life-long expertise on marine mammals in various disciplines. Written as a team rather than being prepared as a collection of separate contributions, the result is a uniform and comprehensive style, giving each of the different topics appropriate space. Many color figures, which use the authors' access to wide collections of unique

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dolphin and whale material, round out this exceptional offering to the field. Includes high-quality illustrations, drawings, halftone artwork, photographic documentations, microphotos, and tables detailing dolphin anatomy, function, and morphology Facilitates education and training of students of all basic research and applied sciences dedicated to marine biology and the medical care of marine mammals Brings together the current knowledge and information on this topic, including those in obscure past or non-English publications, or scattered in short chapters in volumes Covers a

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number of delphinid species and serves as a useful complement for expanding trends in molecular biology and genetics

[Hole's Essentials of Human Anatomy and Physiology](#)

[Integrative Anatomy and Pathophysiology in TCM](#)

[Cardiology](#)

[Human Reproductive Biology](#)

[The Science of Grapevines](#)

[An Osteopathic Perspective](#)

[Anatomy and Physiology](#)

[Reviews and Medical Advances](#)

[Sturkie's Avian Physiology](#)

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[Law and Professional Issues in Midwifery](#) [Functional Anatomy and Physiology of Domestic Animals](#)

Human life relies on two basic supplies, oxygen and food. Oxygen can be utilized directly, but food has to go through a long process of digestion to become usable nutrients. The esophagus is the beginning part of this long journey. Because of its critical location, any abnormalities in this part of the body can be devastating and life-threatening and difficult to treat. This book covers many aspects of esophageal disorders, from congenital diseases to cancer. It includes 11 chapters written by highly experienced

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scholars from all over the world. It is our intention to provide readers an update in esophageal study and to raise the awareness how important this organ to our entire body system.

This useful workbook is a companion to the best-selling Myles: Textbook for Midwives, a long-standing favourite with Midwifery students. The Workbook can be used in combination with Myles or any other Midwifery textbook, to extend and consolidate knowledge of the anatomy and physiology of childbearing. The workbook approach complements different styles of learning and will assist the student by providing stimulating learning activities to facilitate and reinforce learning or revision. A varied

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and interesting range of activities to facilitate learning: Colouring and labelling of illustrations Matching activities Multiple-choice questions Definitions Straightforward language Clear illustrations Answers provided

When caring for the well or ill child, recognising and responding to their anatomical and physiological differences is essential. Fundamentals of Children's Anatomy and Physiology provides child nursing students and registered nurses with a succinct but complete overview of the structure and function of the child's body, plus clinical applications throughout to demonstrate how the concepts relate to real-life nursing. Each chapter lists learning outcomes and

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includes clinical considerations, body maps, a range of high-quality illustrations and test-your-knowledge questions. The book is also accompanied by a companion website with further self-assessment and quizzes.

Integrative Anatomy and Pathophysiology in Traditional Chinese Medicine Cardiology covers the structure, function, and pathology of the cardiovascular system from the TCM and western medical perspectives. It focuses specifically on western medicine anatomy and pathophysiology, along with TCM aspects of essence, qi, blood and body fluid concepts, production, and function to explain cardiovascular system dysfunction, its

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independent role and dependent interactions with the functions of other organ systems. This book is designed for US-based licensed TCM practitioners as well as cardiology researchers. Compares and contrasts the TCM basic theories and western medicine basic sciences Gives a specific connection between the heart dysfunction and the disease mechanisms of other organ systems using TCM and western medicine terms and diagnoses Prepares the practitioner to sit for the Niambi Wellness Integrative Anatomy and pathophysiology in cardiology final online exam

This highly illustrated, step-by-step guide gives detailed instructions for dozens of different

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manipulation techniques, covering all levels of the spine, thorax, and pelvis. It also includes a helpful overview of the principles and theory of spinal manipulation and its use in clinical practice. The accompanying DVD contains video clips demonstrating the techniques described in the book. The new edition is a highly illustrated, step-by-step guide to 41 manipulation techniques commonly used in clinical practice. The book also provides the related theory essential for safe and effective use of manipulation techniques.

What is a bird? To answer that, we must understand how birds are different from all other living things and how they fit into the diversity of life on Earth.

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This excellent RSPB guide to bird anatomy looks at the avian body, system by system, how it evolved, and how it functions. Chapters explore traits that are unique to birds, including their remarkable one-way breathing cycle, their trimmed-down skeleton, how feathers permit flight, provide weather-proofing and add beauty, and the avian bill - a lightweight replacement for both teeth and food-handling forelimbs. Each chapter tackles a particular body system and includes detailed anatomical illustrations, from cells and organs to skeletons and muscles, to show how birds' anatomical adaptations enable all their physical feats and fascinating behaviour. Feature spreads offer more in-depth analysis on

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topics like birdsong, temperature control, ornamentation, unusual diets, social behaviour, nocturnal adaptations, mutation and natural selection. Featuring more than 300 diagrams and colour photos, this fascinating new book also looks at the human impact on the avian world and reveals how behaviour and anatomy work together to produce these vibrant living beings that delight and inspire us so much.

Sturkie's Avian Physiology is the classic comprehensive single volume on the physiology of domestic as well as wild birds. The Sixth Edition is thoroughly revised and updated, and features several new chapters with entirely new content on such

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topics as migration, genomics and epigenetics. Chapters throughout have been greatly expanded due to the many recent advances in the field. The text also covers the physiology of flight, reproduction in both male and female birds, and the immunophysiology of birds. The Sixth Edition, like the earlier editions, is a must for anyone interested in comparative physiology, poultry science, veterinary medicine, and related fields. This volume establishes the standard for those who need the latest and best information on the physiology of birds. Includes new chapters on endocrine disruptors, magnetoreception, genomics, proteomics, mitochondria, control of food intake, molting, stress, the avian endocrine system,

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bone, the metabolic demands of migration, behavior and control of body temperature Features extensively revised chapters on the cardiovascular system, pancreatic hormones, respiration, pineal gland, pituitary gland, thyroid, adrenal gland, muscle, gastro-intestinal physiology, incubation, circadian rhythms, annual cycles, flight, the avian immune system, embryo physiology and control of calcium. Stands out as the only comprehensive, single volume devoted to bird physiology Offers a full consideration of both blood and avian metabolism on the companion website (<http://booksite.elsevier.com/9780124071605>). Tables feature hematological and serum biochemical parameters together with

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circulating concentrations of glucose in more than 200 different species of wild birds

Midwives are accountable to the public, patients, their employers and the profession. It is essential that student midwives have a clear understanding of the legal and professional dilemmas they face in the course of their career and how to address those dilemmas in order to practise effectively. This book is an essential resource for student midwives developing their knowledge and understanding of the requirements for safe practice. It provides a clear introduction to the subject, with activities and case studies throughout to illustrate key principles and apply the law in context.

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[Globalization, Biosecurity, and the Future of the Life Sciences](#)

[A Textbook for Nursing and Healthcare Students](#)

[Becoming a Midwife](#)

[Preparation for practice](#)

[Myles' Textbook for Midwives E-Book](#)

[Fundamentals of Children's Anatomy and Physiology](#)

[Quirks of Human Anatomy](#)

[Veterinary Anatomy and Physiology](#)

[Anatomy of Dolphins](#)

Physiology in Childbearing With Anatomy and Related Biosciences Elsevier Health Sciences

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This textbook contains the latest advances and scientific knowledge from the leading experts in hair biology, hair disorders, and clinical trichology. The book consists of ten sections in which hair biology, hair genetics, hair diagnostics, hair loss types, pathogenesis, treatment options, and restoration techniques are discussed. This book also emphasizes on various genetic and nongenetic alopecia types, differential diagnosis, and the measurement of hair loss. One chapter of the book is devoted to natural products for hair care and treatment. We believe that this textbook will serve as a comprehensive guide to many physicians dealing with hair disorders in their clinical practice.

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Anatomy & Physiology for Midwives 3rd edition builds on the success of the first two editions with electronic ancillaries, more accessible, woman-centred language and strengthened links with good practice. The book provides a thorough review of anatomy and physiology applicable to midwifery, from first principles through to current research, utilizing case studies for reflection. A comprehensive and well-illustrated textbook that is an essential purchase for all students of midwifery.

Includes bibliographical references and index

The most-popular midwifery textbook in the world! The sixteenth edition of this seminal textbook, Myles Textbook

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for Midwives, has been extensively revised and restructured to ensure that it reflects current midwifery practice, with an increased focus on topics that are fundamental to midwifery practice today. Well illustrated to assist visual learning Boxes highlighting significant information to aid study Introduction, Aims of the chapter and Conclusion for each chapter References, Further Reading and Useful websites to promote further learning Glossary of terms and acronyms provide simple definition of more complex terminologies Additional online resources Over 500 multiple-choice questions enable students to test their knowledge Unlabelled illustrations help reinforce learning Full image bank of

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illustrations to make study more visual and assist with projects. Up-to-date guidance on professional regulation, midwifery supervision, legal and ethical issues, risk management and clinical governance Recognises that midwives increasingly care for women with complex health needs, in a multicultural society Increases confidence in empowering women to make appropriate choices Looks at the dilemmas involved in caring for women with a raised body mass index Chapter on optimising care of the perineum for women with perineal trauma, including those who have experienced female genital mutilation Additional coverage of basic neonatal resuscitation, to reflect the trend for

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midwives to carry out the neonatal physiological examination Streamlined chapters with similar themes and content, to facilitate learning Full colour illustrations now used throughout the book, in response to student feedback. This ISBN is now out of print. A new edition with e-book is available under ISBN 9780702044762. The third edition of this popular textbook gives a clear, easy-to-read account of anatomy and physiology at all stages of pregnancy and childbirth. Each chapter covers normal physiology, changes to the physiology in pregnancy, and application to practice. The physiology of childbearing is placed within a total biological context, drawing on evolution, ecology,

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biochemistry and cell biology. Follows childbearing from preconception to postnatal care and the neonate Logical progression through the body systems Highly illustrated, with simple diagrams Emphasises links between knowledge and practice to promote clinical skills Main points summarised to aid study. Website: 10 multiple-choice questions per chapter for self-testing Downloadable illustrations, with and without labels Fully searchable.

Designed to provide dental students with a detailed introduction to oral anatomy, embryology, and histology, the New Edition of this highly regarded textbook gives dental students the information they need in a lavishly illustrated

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*resource. Emphasizing student-friendly textbook features, the 3rd Edition has been rewritten to offer a specialized background that includes more relevant topics and new research in areas such as molecular biology, confocal microscopy, immunocytochemistry, and immunohistochemistry*while building on its excellent tradition of extensive, high-quality color photographs and illustrations. A new paperback format makes the book more convenient and accessible for easy reference to key topics in the classroom or any setting. Gives dental students a comprehensive overview of the complete range of oral anatomy, including gross anatomy, histology and*

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embryology Lavishly illustrated with colour photographs and line diagrams Rewritten more as a text than a colour atlas in order to make the book more useful as a recommended text for dental students. Addition of topics at the forefront of research in areas such as molecular biology, confocal microscopy, immunocytochemistry and immunohistochemistry. Histology section extensively rewritten and updated Now a paperback with smaller page size - previously a large format PPC book. Spanish version of 2nd edition also available, ISBN: 84-8174-139-6

What is the reality of being a midwife in the twenty-first century? What is it like to help and support women

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*throughout pregnancy and childbirth and into motherhood? What roles can midwives play in society? This new edition of the popular text, *Becoming a Midwife*, explores what it is to be a midwife, looking at the factors that make midwifery such a special profession, as well as some of the challenges. The fully updated chapters cover a variety of settings and several different stages in a woman's pregnancy, including stories from midwives working in hospitals and in the community, as managers, supervisors and educators, and as men, women, mothers and birth activists. All chapters are narrated by contributors who introduce their own theme, recount a vignette that throws light on their understandings*

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of midwifery and reasons for becoming (or not becoming) a midwife and any subsequent career moves. Backed up by commentaries and drawing together these insights, the editors show what it means to be a midwife today. Suitable for those contemplating a career in midwifery and providing an opportunity for reflection for more experienced midwives, this thought-provoking book is an invaluable contribution to midwifery.

[*Myles Midwifery A&P Colouring Workbook - E-Book*](#)

[*Principles of Insect Morphology*](#)

[*Oral Anatomy, Embryology and Histology*](#)

[*Physiology in Childbearing E-Book*](#)

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Insights into Body Structure and Function

Ross & Wilson Anatomy and Physiology in Health and Illness

Anatomy and Physiology for Nurses at a Glance

Esophageal Abnormalities

Myles Midwifery Anatomy and Physiology Workbook

Salivary Bioscience

The new edition of Physiology in Childbearing with Anatomy and Related Biosciences continues to offer readers with a sound introduction to human biology as it relates to pregnancy and childbirth. The new edition retains the online question bank with downloadable

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image collection and is suitable for midwives - whether qualified or in training - throughout the world. Straightforward writing style helps demystify a challenging subject area Applies theory to practice to show how a knowledge of the biological sciences can enhance the care given to mothers and babies Designed to facilitate early recognition of pathology to help prevent morbidity and mortality Ideal introduction to basic biochemistry, cellular biology and genetics for those who have no prior knowledge of the subject areas Chapters on embryology help explain the occurrence of neonatal pathology A 'body systems approach' - including embryological development -

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enables an understanding of the physiological and pathophysiological changes that occur during pregnancy Clear diagrams allow an understanding of the complex three-dimensional concepts seen in biology Helpful pedagogy such as 'Main Points' boxes at the end of each chapter act as useful aide-memoires Enhances the safety of mothers and babies, both in the developed world and those countries where the provision of adequate care remains limited Revised contributor team provides an international perspective Updated design presents shorter sections of information with concise summaries of 'key points' and easy to interpret figures and tables

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This acclaimed text has been fully revised and updated, now incorporating issues including aging of the reproductive system, and updates on the chapters on conception and Gamete Transport and Fertilization, and Pregnancy. Human Reproductive Biology, Third Edition emphasizes the biological and biomedical aspects of human reproduction, explains advances in reproductive science and discusses the choices and concerns of today. Generously illustrated in full color, the text provides current information about human reproductive anatomy and physiology. The ideal book for courses on human reproductive biology - includes chapter introductions, sidebars on related topics of

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interest, chapter summaries and suggestions for further reading. All material completely updated with the latest research results, methods, and topics now organized to facilitate logical presentation of topics
New chapters on Reproductive Senescence,
Conception: Gamete Transport, Fertilization,
Pregnancy: Maternal Aspects and Pregnancy: Fetal Development Full color illustrations

The human hypothalamus, a small structure at the base of the brain, has strategic importance for the harmonic function of the human body. It controls the autonomic nervous system, neuroendocrine function, circadian and circannual rhythms, somatic activities,

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and behavior, and is situated at the borders between the brain and the body and the brain and the soul, meeting points for mind and body. The hypothalamus is involved in a wide range of higher mental functions, including attention, learning and reinforcement of mnemonic processes, emotional control, mood stability, and cognitive-emotional interactions. It also has a role to play in behavioral disorders, panic reactions, cluster headache, gelastic epilepsy, mental deficiency, periodic disorders, depression, autism, and schizophrenia, and in a substantial number of neurodegenerative diseases. It enlarges greatly the dimensions of the hypothalamic contribution in

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controlling psychosomatic equilibrium and retaining internal unity of the human existence.

As an incredibly engaging study guide that can be used either independently or in conjunction with any A&P book, the Anatomy and Physiology Coloring Workbook helps you get the most out of your A&P classes. Dr. Elaine Marieb thoughtfully crafted the text to include a wide range of coloring activities and self-assessments. Each step you take leads you into an amazing world where they can learn more about anatomical structures and physiological functions. The Science of Grapevines: Anatomy and Physiology is an introduction to the physical structure of the

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grapevine, its various organs, their functions and their interactions with the environment. Beginning with a brief overview of the botanical classification (including an introduction to the concepts of species, cultivars, clones, and rootstocks), plant morphology and anatomy, and growth cycles of grapevines, *The Science of Grapevines* covers the basic concepts in growth and development, water relations, photosynthesis and respiration, mineral uptake and utilization, and carbon partitioning. These concepts are put to use to understand plant-environment interactions including canopy dynamics, yield formation, and fruit composition, and concludes with

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an introduction to stress physiology, including water stress (drought and flooding), nutrient deficiency and excess, extreme temperatures (heat and cold), and the impact and response to of other organisms. Based on the author's years of teaching grapevine anatomy as well as his research experience with grapevines and practical experience growing grapes, this book provides an important guide to understanding the entire plant. Chapter 7 broken into two chapters, now "Environmental Constraints and Stress Physiology and Chapter 8 "Living with Other Organisms" to better reflect specific concepts Integration of new research results including: Latest research on implementing

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drip irrigation to maximize sugar accumulation within grapes Effect of drought stress on grapevine's hydraulic system and options for optimum plant maintenance in drought conditions The recently discovered plant hormone - strigolactones - and their contribution of apical dominance that has suddenly outdated dogma on apical dominance control Chapter summaries added Key literature references missed in the first edition as well as references to research completed since the 1e publication will be added Now in its Fifth Edition, Functional Anatomy and Physiology of Domestic Animals provides a basic understanding of domestic animal anatomy and

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physiology, taking an interconnected approach to structure and function of the horse, dog, cat, cow, sheep, goat, pig, and chicken. Offers a readable introduction to basic knowledge in domestic animal anatomy and physiology Covers equine, canine, feline, bovine, ovine, ruminant, swine, and poultry anatomy and physiology Considers structure and function in relation to each other for a full understanding of the relationship between the two Provides pedagogical tools to promote learning, including chapter outlines, study questions, self-evaluation exercises, clinical correlates, key terms, suggested readings, and a robust art program Includes access to a companion

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website with video clips, review questions, and the figures from the book in PowerPoint

The purpose of this book is to provide nurses and other health workers with knowledge of the structure and functions of the human body and the changes that take place when diseases disrupt normal processes. Its purpose is to describe, not prescribe - medical treatment is not included.

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