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Discrete Mathematics with Applications College Algebra in Context with Applications for the Managerial, Life, and Social Sciences Wine Science Discrete Mathematics with Applications, Metric Edition Soft Computing Models in Industrial and Environmental Applications, 5th International Workshop (SOCO 2010) Electromagnetics Linear Algebra with Applications (Classic Version) Linear Algebra Linear Algebra and Its Applications, Global Edition Essentials of Psychology: Concepts and Applications Cross-Cultural Psychology Geopolymer Chemistry and Applications Electromagnetics Industrial Organization Elementary and Intermediate Algebra Cost of Capital in Litigation Network Security Essentials: Applications and Standards, 4/e Fundamental Neuroscience for Basic and Clinical Applications,with STUDENT CONSULT Online Access,4 MRI Student Solutions Manual with Study Guide for Epp's Discrete Mathematics with Applications Introduction to Mathematical Statistics and Its Applications Sport Management Financial Management of Health Care Organizations Simio and Simulation: Modeling, Analysis, Applications What is Psychology?: Foundations, Applications, and Integration Linear Algebra and Its Applications Successful Nonverbal Communication Principles and Applications of Assessment in Counseling Pharmacokinetic and Pharmacodynamic Data Analysis: Concepts and Applications, Third Edition Landscape Planning Cross-Cultural Psychology Clinical Exercise Physiology ARM Assembly for Embedded Applications MATLAB Organisational Behaviour Physics in Biology and Medicine Microelectronic Circuits: Theory And App Conformal and Probabilistic Prediction with Applications Yeasts Probability

ARM Assembly for Embedded Applications is a text for a sophomore-level course in computer science, computer engineering, or electrical engineering that teaches students how to write functions in ARM assembly called by a C program. The C/Assembly interface (i.e., function call, parameter passing, return values, register conventions) is presented early so that students can write simple functions in assembly as soon as possible. The text then covers the details of arithmetic, bit manipulation, making decisions, loops, integer arithmetic, real arithmetic using floating-point and fixed-point representations, composite data types, inline coding and I/O programming. The text uses the GNU ARM Embedded Toolchain for program development on Windows, Linux or OS X operating systems, and is supported by a textbook website that provides numerous resources including PowerPoint lecture slides, programming assignments and a run-time library. What's new: This 5th edition adds an entirely new chapter on floating-point emulation that presents an implementation of the IEEE floating-point specification in C as a model for conversion to assembly. By positioning it just after the chapter on the hardware floating-point unit, students will have a better understanding of the complexity of emulation and thus why the use of fixed-point reals presented in the following chapter is preferred when run-time performance is important. Numerous additional material has been added throughout the book. For example, a technique for mapping compound conditionals to assembly using vertically-constrained flowcharts provides an alternative to symbolic manipulation using DeMorgan's law. Visually-oriented students often find the new technique to be easier and a natural analog to the sequential structure of instruction execution. The text also clarifies how instructions and constants are held in non-volatile flash memory while data, the stack and the heap are held in read-write memory. With this foundation, it then explains why the address distance between these two regions and the limited range of address displacements restrict the use of PC-relative addressing to that of loading read-only data, and why access to read-write data requires the use of a two-instruction sequence. Turn to Fundamental Neuroscience for a thorough, clinically relevant understanding of this complicated subject! Integrated coverage of neuroanatomy,

physiology, and pharmacology, with a particular emphasis on systems neurobiology, effectively prepares you for your courses, exams, and beyond. Easily comprehend and retain complex material thanks to the expert instruction of Professor Duane Haines, recipient of the Henry Gray/Elsevier Distinguished Teacher Award from the American Association of Anatomists and the Distinguished Teacher Award from the Association of American Colleges. Access the complete contents online at www.studentconsult.com, plus 150 USMLE-style review questions, sectional images correlated with the anatomical diagrams within the text, and more. Grasp important anatomical concepts and their clinical applications thanks to correlated state-of-the-art imaging examples, anatomical diagrams, and histology photos. Retain key information and efficiently study for your exams with clinical highlights integrated and emphasized within the text. Noted for its integration of real-world data and case studies, this text offers sound coverage of the theoretical aspects of mathematical statistics. The authors demonstrate how and when to use statistical methods, while reinforcing the calculus that students have mastered in previous courses. Throughout the 5th Edition, the authors have added and updated examples and case studies, while also refining existing features that show a clear path from theory to practice. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed. This volume of Advances in Intelligent and Soft Computing contains accepted papers presented at SOCO 2010 held in the beautiful and historic city of Guimarães, Portugal, June 2010. The global purpose of SOCO conferences has been to provide a broad and interdisciplinary forum for soft computing and associated paradigms, which are playing increasingly important roles in an important number of industrial and environmental applications fields. Soft computing represents a collection or set of computational techniques in machine learning, computer science and some engineering disciplines, which investigate, simulate and analyze very complex issues and phenomena. This workshop is mainly focused on its industrial and environmental applications. The SOCO 2010 is the 5 International Workshop on Soft Computing Models in Industrial Applications and provides interesting opportunities to present and discuss the latest theoretical advances and real world applications in this multidisciplinary research field. This volume presents the papers accepted for the 2010 edition, both for the main event and the Special Sessions. SOCO 2010 Special Sessions are a very useful tool in order to complement the regular program with new or emerging topics of particular interest to the participating community. Special Sessions that emphasize on multidisciplinary and transversal aspects, as well as cutting-edge topics were especially encouraged and welcome. SOCO 2010 included a total of 3 Special Sessions: Ensemble Learning and Formation Fusion for Industrial Applications; Soft Computing for Service Management; Hybrid Intelligent Systems and Applications. Written in a conversational style that transforms complex ideas into accessible ones, this international best-seller provides an interdisciplinary review of the theories and research in cross-cultural psychology. The book's unique critical thinking framework, including Critical Thinking boxes, helps to develop analytical skills. Exercises interspersed throughout promote active learning and encourage class discussion. Case in Point sections review controversial issues and opinions about behavior in different cultural contexts. Cross-Cultural Sensitivity boxes underscore the importance of empathy in communication. Numerous applications better prepare students for working in various multicultural contexts such as teaching, counseling, health care, and social work. The dynamic author team brings a diverse set of experiences in writing this book. Eric Shiraev was raised in the former Soviet Union and David Levy is from Southern California. Sensation, perception, consciousness, intelligence, human development, emotion, motivation, social perception, interaction, psychological disorders, and applied topics are explored from cross-cultural perspectives. New to the 6th Edition: Over 200 recent references, particularly on studies of non-western regions such as the Middle East, Africa, Asia, & Latin America as well as the US and

Europe. New chapter on personality and the self with an emphasis on gender identity. New or revised chapter opening vignettes that draw upon current events. More examples related to the experiences of international students in the US and indigenous people. Many more figures and tables that appeal to visual learners. New research on gender, race, religious beliefs, parenting styles, sexual orientation, ethnic identity and stereotypes, conflict resolution, immigration, intelligence, physical abuse, states of consciousness, DSM-5, cultural customs, evolutionary psychology, treatment of psychological disorders, and acculturation. Revised methodology chapter with more attention to issues related specifically to cross-cultural research and more on qualitative and mixed methods. A companion website at www.routledge.com/9781138668386 where instructors will find a test bank containing multiple choice, true and false, short answer, and essay questions and answers for each chapter, and a complete set of tables and figures from the text; and students will find chapter outlines, flashcards of key terms, and links to further resources and the authors' Facebook page. Intended as a text for courses on cross-cultural psychology, multicultural psychology, cultural psychology, cultural diversity, and the psychology of ethnic groups and a resource for practitioners, researchers, and educators who work in multicultural environments. "This book opens up the world of simulation to you by providing the basics of general simulation technology, identifying the skills needed for successful simulation projects, and introducing a state-of-the-art simulation package." -- ESSENTIALS OF PSYCHOLOGY: CONCEPTS AND APPLICATIONS, 5th Edition retains the hallmark features and pedagogical aids that have made this text unique in presenting the foundations of psychology in a manageable, reader-friendly format. Students gain a broad view of psychology and see applications of the knowledge gained from contemporary research to the problems and challenges we face in today's world. Nevid's comprehensive learning system, derived from research on memory, learning, and textbook pedagogy, is featured throughout. This model incorporates the Four E's of Effective Learning -- Engaging Student Interest, Encoding Information, Elaborating Meaning, and Evaluating Progress. Thoroughly updated with recent research developments, this edition also features an expanded focus on psychology in the digital world -- a topic students are sure to find fascinating and relevant. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. DISCRETE MATHEMATICS WITH APPLICATIONS, 5th Edition, Metric Edition explains complex, abstract concepts with clarity and precision and provides a strong foundation for computer science and upper-level mathematics courses of the computer age. Author Susanna Epp presents not only the major themes of discrete mathematics, but also the reasoning that underlies mathematical thought. Students develop the ability to think abstractly as they study the ideas of logic and proof. While learning about such concepts as logic circuits and computer addition, algorithm analysis, recursive thinking, computability, automata, cryptography and combinatorics, students discover that the ideas of discrete mathematics underlie and are essential to today's science and technology. This title is part of the Pearson Modern Classics series. Pearson Modern Classics are acclaimed titles at a value price. Please visit www.pearsonhighered.com/math-classics-series for a complete list of titles. Offering the most geometric presentation available, Linear Algebra with Applications, Fifth Edition emphasizes linear transformations as a unifying theme. This elegant textbook combines a user-friendly presentation with straightforward, lucid language to clarify and organize the techniques and applications of linear algebra. Exercises and examples make up the heart of the text, with abstract exposition kept to a minimum. Exercise sets are broad and varied and reflect the author's creativity and passion for this course. This revision reflects careful review and appropriate edits throughout, while preserving the order of topics of the previous edition. For courses in college algebra. Mathematics from Classroom to Career College Algebra in Context, Fifth Edition is ideal for students majoring in business, social sciences, and life sciences. The authors use modeling, applications, and real-data problems to develop skills, giving students the practice they need to become adept problem solvers in their future courses and careers. This edition offers new sections on conics and the binomial theorem. Also available with MyMathLab MyMathLab is an online homework, tutorial, and assessment

program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them absorb course material and understand difficult concepts. For this edition, the MyMathLab course has been expanded to include additional problem types and resources, and to support the authors' special emphasis on applications. Note: You are purchasing a standalone product; MyLab(TM) & Mastering(TM) does not come packaged with this content. Students, if interested in purchasing this title with MyLab & Mastering, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab & Mastering, search for: 0134397029 / 9780134397023 College Algebra in Context plus MyMathLab Student Access Kit Package consists of: 0134179021 / 9780134179025 College Algebra in Context with Applications for the Managerial, Life, and Social Sciences 0321431308 / 9780321431301 MyMathLab -- Glue-in Access Card 0321654064 / 9780321654069 MyMathLab Inside Star Sticker Sport Management: Principles and applications provides a comprehensive introduction to the practical application of management principles within sport organisations. It is ideal for first and second year students studying sport management related courses, as well as those studying business focussed and human movement/physical education courses seeking an overview of sport management principles. In full colour to make key information easier to locate, the book provides a comprehensive overview of: - The nature of the sport industry and the role of the state, non-profit and professional sectors in sport. -Core management principles and their application in sport, highlighting the unique features of how sport is managed. Includes discussion and insight into strategic planning, organisational culture, organisational structures, human resource management, leadership, governance, financial management, marketing and performance management. Highly accessible, each chapter has a coherent structure featuring: -A conceptual overview of the focus for the chapter. -A presentation of accepted practice and key research findings supported by specific organisational examples at the community, state/provincial, national and professional levels drawing from countries around the globe. -A section of teaching and learning resources including a reference list, suggestions for further reading, relevant websites, and tutorial activity or study questions.. -Brand new to this edition is a new case study at the end of each chapter as well as two new chapters on marketing and financial management. * Covers the fundamental management issues unique to sport so that students understand how general management principles relate to their area of study. * Extensive online lecturer materials, including PowerPoint for every chapter, tutorial activities, test banks, and diagnostic and teaching notes help lecturers save time preparing for lectures. * Brand new case studies, examples and chapters from the UK, Europe and Asia-Pacific prepare students for employment in any country. A guide to the preservation and identification of yeasts and their deposits for patent purposes; describes data centers and culture collection organizations where information and expert help may be obtained. Annotation copyright Book News, Inc. Portland, Or. Pepall's Industrial Organization: Contemporary Theory and Empirical Applications, 5th Edition offers an accessible text in which topics are organized in a manner that motivates and facilitates progression from one chapter to the next. It serves as a complete, but concise, introduction to modern industrial economics. The text uniquely uses the tools of game theory, information economics, contracting issues, and practical examples to examine multiple facets of industrial organization. The fifth edition is more broadly accessible, balancing the tension between making modern industrial analysis accessible while also presenting the formal abstract modeling that gives the analysis its power. The more overtly mathematical content is presented in the Contemporary Industrial Organization text (aimed at the top tier universities) while this Fifth Edition will be less mathematical (aimed at a wider range of four-year colleges and state universities. Known for its accessible, precise approach, Epp's DISCRETE MATHEMATICS WITH APPLICATIONS, 5th Edition, introduces discrete mathematics with clarity and precision. Coverage emphasizes the major themes of discrete mathematics as well as the reasoning that underlies mathematical thought. Students learn to think abstractly as they study the ideas of logic and proof. While learning about logic

circuits and computer addition, algorithm analysis, recursive thinking, computability, automata, cryptography and combinatorics, students discover that ideas of discrete mathematics underlie and are essential to today's science and technology. The author's emphasis on reasoning provides a foundation for computer science and upper-level mathematics courses. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This is a revised and very expanded version of the previous second edition of the book. "Pharmacokinetic and Pharmacodynamic Data Analysis" provides an introduction into pharmacokinetic and pharmacodynamic concepts using simple illustrations and reasoning. It describes ways in which pharmacodynamic and pharmacodynamic theory may be used to give insight into modeling questions and how these questions can in turn lead to new knowledge. This book differentiates itself from other texts in this area in that it bridges the gap between relevant theory and the actual application of the theory to real life situations. The book is divided into two parts; the first introduces fundamental principles of PK and PD concepts, and principles of mathematical modeling, while the second provides case studies obtained from drug industry and academia. Topics included in the first part include a discussion of the statistical principles of model fitting, including how to assess the adequacy of the fit of a model, as well as strategies for selection of time points to be included in the design of a study. The first part also introduces basic pharmacokinetic and pharmacodynamic concepts, including an excellent discussion of effect compartment (link) models as well as indirect response models. The second part of the text includes over 70 modeling case studies. These include a discussion of the selection of the model, derivation of initial parameter estimates and interpretation of the corresponding output. Finally, the authors discuss a number of pharmacodynamic modeling situations including receptor binding models, synergy, and tolerance models (feedback and precursor models). This book will be of interest to researchers, to graduate students and advanced undergraduate students in the PK/PD area who wish to learn how to analyze biological data and build models and to become familiar with new areas of application. In addition, the text will be of interest to toxicologists interested in learning about determinants of exposure and performing toxicokinetic modeling. The inclusion of the numerous exercises and models makes it an excellent primary or adjunct text for traditional PK courses taught in pharmacy and medical schools. A diskette is included with the text that includes all of the exercises and solutions using WinNonlin.

WHAT IS PSYCHOLOGY? FOUNDATIONS, APPLICATIONS, AND INTEGRATION includes some of the most effective features from Pastorino and Doyle-Portillo's other texts, as well as new and innovative features to excite students about the field of psychology. The text is organized around the foundational areas of psychology emphasized in the latest version of the APA guidelines. It incorporates the authors' successful and engaging teaching approach, which motivates students to read and captures their curiosity from the very beginning. The parts open with attention-grabbing case studies that have drawn rave reviews from students. Each case study is threaded throughout all of the chapters of the section, providing students with a view of the content that is both integrated and applied to real life. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Dynamic author team provides comprehensive overview with focus on critical-thinking. The fifth edition continues a heavy focus on applying critical thinking framework in examining, analyzing, and evaluating psychological data. With significant rewriting and additional new topics as well as updated references on new research, Cross-Cultural Psychology keeps pace with the rapidly changing conditions of modern times. The dynamic team from two different worlds bring a unique set of experiences and perceptions in writing this book. Eric Shiraev was raised in the city of Leningrad in the former Soviet Union and David Levy is from Southern California. Between the diverse backgrounds and having each author spent an extended period teaching in the other's home country, the authors provide a comprehensive review of theories and research in cross-cultural psychology. Learning Goals Upon completing this book, readers should be able to: Better understand the field of cross-cultural psychology Understand contemporary theories and research in cross-cultural psychology Use critical thinking to examine, analyze, and evaluate the field of cross-

cultural psychology Assist current and future practitioners from a wide variety of fields and services

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Linear Algebra and Its Applications plus New MyMathLab with Pearson eText -- Access Card Package, 5/e With traditional linear algebra texts, the course is relatively easy for students during the early stages as material is presented in a familiar, concrete setting. However, when abstract concepts are introduced, students often hit a wall. Instructors seem to agree that certain concepts (such as linear independence, spanning, subspace, vector space, and linear transformations) are not easily understood and require time to assimilate. These concepts are fundamental to the study of linear algebra, so students' understanding of them is vital to mastering the subject. This text makes these concepts more accessible by introducing them early in a familiar, concrete "Rⁿ" setting, developing them gradually, and returning to them throughout the text so that when they are discussed in the abstract, students are readily able to understand.

Clinical Exercise Physiology, Fifth Edition With HKPropel Access, is the most comprehensive guide to the clinical aspects of exercise physiology. Covering 24 chronic diseases and conditions, it is the go-to book for students preparing for clinical exercise certifications, including the ACSM-CEP

MATLAB: An Introduction with Applications 4th Edition walks readers through the ins and outs of this powerful software for technical computing. The first chapter describes basic features of the program and shows how to use it in simple arithmetic operations with scalars. The next two chapters focus on the topic of arrays (the basis of MATLAB), while the remaining text covers a wide range of other applications. MATLAB: An Introduction with Applications 4th Edition is presented gradually and in great detail, generously illustrated through computer screen shots and step-by-step tutorials, and applied in problems in mathematics, science, and engineering.

Wine Science, Third Edition, covers the three pillars of wine science - grape culture, wine production, and sensory evaluation. It takes readers on a scientific tour into the world of wine by detailing the latest discoveries in this exciting industry. From grape anatomy to wine and health, this book includes coverage of material not found in other enology or viticulture texts including details on cork and oak, specialized wine making procedures, and historical origins of procedures. Author Ronald Jackson uniquely breaks down sophisticated techniques, allowing the reader to easily understand wine science processes. This updated edition covers the chemistry of red wine color, origin of grape varieties, wine language, significance of color and other biasing factors to wine perception, various meanings and significance of wine oxidation. It includes significant additional coverage on brandy and ice wine production as well as new illustrations and color photos. This book is recommended for grape growers, fermentation technologists; students of enology and viticulture, enologists, and viticulturalists.

NEW to this edition: * Extensive revision and additions on: chemistry of red wine color, origin of grape varieties, wine language, significance of color and other biasing factors to wine perception, various meanings and significance of wine oxidation * Significant additional coverage on brandy and ice wine production * New illustrations and color photos

"Electromagnetics" (ISSN: 0272-6343) is a journal published eight times a year by Taylor and Francis Group, an international academic publisher. A sample copy, instructions for authors, subscription details, and the tables of contents of previous issues are available online. The journal publishes research on electromagnetics. Topics include developments in electromagnetic theory, high frequency techniques, and scattering and diffraction. Taylor and Francis Group provides the information. Cost of Capital in Litigation addresses cost of

capital issues in litigation and discusses major decisions, highlighting how to avoid errors that have often been made by experts. The book helps the attorney and valuation expert understand the decisions within the context of the theory of cost of capital and includes a chapter on cross-examining experts on cost of capital issues. Throughout, there are citation to relevant material and cross-reference to *Cost of Capital: Applications and Examples, Fourth Edition*. This classic introduction to probability theory for beginning graduate students covers laws of large numbers, central limit theorems, random walks, martingales, Markov chains, ergodic theorems, and Brownian motion. It is a comprehensive treatment concentrating on the results that are the most useful for applications. Its philosophy is that the best way to learn probability is to see it in action, so there are 200 examples and 450 problems. The fourth edition begins with a short chapter on measure theory to orient readers new to the subject. This third edition covers topics in physics as they apply to the life sciences, specifically medicine, physiology, nursing and other applied health fields. It includes many figures, examples and illustrative problems and appendices which provide convenient access to the most important concepts of mechanics, electricity, and optics. Using authentic data to make math meaningful to students, Jay Lehmann's algebra series uses a curve-fitting approach to model compelling, real-world situations, while answering the perennial question "But what is this good for?" Beginning with interesting data sets, students are asked to find models and derive equations to fit a scenario, helping them to understand functions graphically, numerically, and symbolically. Updated exercises, labs, and graphs deepen students' understanding of core concepts and keeps them motivated to learn. Teaching and Learning Experience This program provides a better learning experience-for you and your students. Here's how: Personalized learning with MyMathLab: Additionally, MyMathLab(R) provides a wide range of homework, tutorial, and assessment tools that make it easy to manage your course in any setting. A curve-fitting approach incorporates brand-new data sets, an emphasis on modeling, and teaching tools that lead students through the text and build a foundation for statistical thinking. Strong pedagogical tools build students skills-updatedactivities, exercises, and labs emphasize mathematical reasoning and highlight the text's core features, all designed to help students understand and retain skills. Note: You are purchasing a standalone product; MyMathLab does not come packaged with this content. MyMathLab is not a self-paced technology and should only be purchased when required by an instructor. If you would like to purchase both the physical text and MyMathLab, search for: 0321927923 / 9780321927927 Elementary & Intermediate Algebra: Functions and Authentic Applications Plus MyMathLab Access Card Package consists of: 0321431308 / 9780321431301 MyMathLab -- Glue-in Access Card 0321654064 / 9780321654069 MyMathLab Inside Star Sticker 0321922727 / 9780321922724 Elementary & Intermediate Algebra: Functions and Authentic Applications Thoroughly revised, this third edition of *Financial Management of Health Care Organizations* offers an introduction to the most-used tools and techniques of health care financial management. Comprehensive in scope, the book covers a broad range of topics that include an overview of the health care system and evolving reimbursement methodologies; health care accounting and financial statements; managing cash, billings, and collections; the time value of money and analyzing and financing major capital investments; determining cost and using cost information in decision-making; budgeting and performance measurement; and pricing. In addition, this new edition includes information on new laws and regulations that affect health care financial reporting and performance, revenue cycle management expansion of health care services into new arenas, benchmarking, interest rate swaps, bond ratings, auditing, and internal control. This important resource also contains information on the 2007 Healthcare Audit Guide of the American Institute of Certified Public Accountants (AICPA). Written to be accessible, the book avoids complicated formulas. Chapter appendices offer advanced, in-depth information on the subject matter. Each chapter provides a detailed outline, a summary, and key terms, and includes problems in the context of real-world situations and events that clearly illustrate the concepts presented. Problem sets that end each chapter have been updated and expanded to support more in-depth learning of the chapters' concepts. An Instructor's Manual, available online, contains PowerPoint and Excel files. NOTE: This edition features the same content

as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value--this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. xxxxxxxxxxxxxxxx For courses in linear algebra. This package includes MyMathLab(R). With traditional linear algebra texts, the course is relatively easy for students during the early stages as material is presented in a familiar, concrete setting. However, when abstract concepts are introduced, students often hit a wall. Instructors seem to agree that certain concepts (such as linear independence, spanning, subspace, vector space, and linear transformations) are not easily understood and require time to assimilate. These concepts are fundamental to the study of linear algebra, so students' understanding of them is vital to mastering the subject. This text makes these concepts more accessible by introducing them early in a familiar, concrete "Rn" setting, developing them gradually, and returning to them throughout the text so that when they are discussed in the abstract, students are readily able to understand. Personalize learning with MyMathLab MyMathLab is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. MyMathLab includes assignable algorithmic exercises, the complete eBook, interactive figures, tools to personalize learning, and more. This fifth edition of the most accessible introduction to MRI principles and applications from renowned teachers in the field provides an understandable yet comprehensive update. Accessible introductory guide from renowned teachers in the field Provides a concise yet thorough introduction for MRI focusing on fundamental physics, pulse sequences, and clinical applications without presenting advanced math Takes a practical approach, including up-to-date protocols, and supports technical concepts with thorough explanations and illustrations Highlights sections that are directly relevant to radiology board exams Presents new information on the latest scan techniques and applications including 3 Tesla whole body scanners, safety issues, and the nephrotoxic effects of gadolinium-based contrast media Praise for the Third Edition "This volume is ground-breaking in terms of mathematical texts in that it does not teach from a detached perspective, but instead, looks to show students that competent mathematicians bring an intuitive understanding to the subject rather than just a master of applications." - Electric Review A comprehensive introduction, Linear Algebra: Ideas and Applications, Fourth Edition provides a discussion of the theory and applications of linear algebra that blends abstract and computational concepts. With a focus on the development of mathematical intuition, the book emphasizes the need to understand both the applications of a particular technique and the mathematical ideas underlying the technique. The book introduces each new concept in the context of an explicit numerical example, which allows the abstract concepts to grow organically out of the necessity to solve specific problems. The intuitive discussions are consistently followed by rigorous statements of results and proofs. Linear Algebra: Ideas and Applications, Fourth Edition also features: Two new and independent sections on the rapidly developing subject of wavelets A thoroughly updated section on electrical circuit theory Illuminating applications of linear algebra with self-study questions for additional study End-of-chapter summaries and sections with true-false questions to aid readers with further comprehension of the presented material Numerous computer exercises throughout using MATLAB® code Linear Algebra: Ideas and Applications, Fourth Edition is an excellent undergraduate-level textbook for one or two semester courses for students majoring in mathematics, science, computer science, and engineering. With an emphasis on intuition development, the book is also an ideal self-study reference. Successful Nonverbal Communication: Principles and Applications demonstrates how knowledge of nonverbal messages can affect successful communication in the real world. Now with fifteen chapters, the fifth edition draws students in through applications of the latest nonverbal communication research and through current examples of celebrities, sports, and politicians. This extensive revision describes nonverbal cues and their desirable and undesirable functions while offering original tests for measuring and

developing nonverbal communication skills. Updates include new attention to Donald Trump, Hillary Clinton, and Barack Obama, and discussion of nonverbal communication within same-sex partnerships. This reprint, originally published in 1983, draws attention to the important lines of thought that have emerged during the past several decades to offer a portrait of contemporary physical geography which have been drawn together in this text. It introduces conventional terms and topics of the subject and weaves them into a conceptual fabric that rests on three major themes, including the energy-balance concept; a model for understanding the forces and processes in the landscape; the stress-threshold concept; the relationship between the stress produced by forces such as wind and water and the resistance of the earth's materials; and the magnitude and frequency of change in the landscape. Chapter summaries are featured along with numerous illustrations.

Organisational Behaviour: Core Concepts and Applications, 3rd Australasian Edition is the ideal text for a one-semester Organisational Behaviour course. Fourteen concise, relevant and tightly focused chapters are designed to engage rather than overwhelm students, and the highly visual presentation further enhances the text's appeal. Numerous real-world examples throughout the text examine how organisations in the Australian, New Zealand and Asian region are responding to contemporary business issues such as: The increasing focus on sustainable business practices Employee stress and work/life balance Workforce flexibility and casualisation Generation Y and the ageing workforce Skills shortages Globalisation Telecommuting Outsourcing Diversity in the workplace The '24/7' nature of contemporary communication technology, including social media Complemented by the latest research in the field, this text provides a thorough analysis of contemporary organisational behaviour. (unflagged

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www.wileydirect.com.au/buy/organisational-behaviour-core-concepts-and-applications-third-australasian-edition This comprehensive introduction to assessment, created specifically for counseling students, presents mathematical and statistical concepts in a simple and useful manner. The book stresses the importance of counselors being good consumers of assessment tools, helping them avoid misusing tools in manners that can be harmful to clients. Updated throughout, PRINCIPLES AND APPLICATIONS OF ASSESSMENT IN COUNSELING, 5th Edition includes material on the DSM-5 and corresponds to the 2014 Standards for Educational and Psychological Testing as well as to the 2016 CACREP Standards. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. The Student Solutions Manual contains fully worked-out solutions to all of the exercises not completely answered in Appendix B, and is divisible by 3. The Study Guide also includes alternate explanations for some of the concepts and review questions for each chapter enabling students to gain additional practice and succeed in the course. This book constitutes the refereed proceedings of the 5th International Symposium on Conformal and Probabilistic Prediction with Applications, COPA 2016, held in Madrid, Spain, in April 2016. The 14 revised full papers presented together with 1 invited paper were carefully reviewed and selected from 23 submissions and cover topics on theory of conformal prediction; applications of conformal prediction; and machine learning. What can be done about the major concerns of our Global Economy on energy, global warming, sustainable development, user-friendly processes, and green chemistry? Here is an important contribution to the mastering of these phenomena today. Written by Joseph Davidovits, the inventor and founder of geopolymer science, it is an introduction to the subject for the newcomers, students, engineers and professionals. You will find science, chemistry, formulas and very practical information (including patents' excerpts) covering: - The mineral polymer concept: silicones and geopolymers, - Macromolecular structure of natural silicates and aluminosilicates, - Scientific Tools, X-rays, FTIR, NMR, - The synthesis of mineral geopolymers, Poly(siloxonate) and polysilicate, soluble silicate, Chemistry of (Na, K)-oligo-sialates: hydrous alumino-silicate gels and zeolites, Kaolinite / Hydrosodalite-based geopolymer, Metakaolin MK-750-based geopolymer, Calcium-based geopolymer, Rock-based geopolymer, Silica-based geopolymer, Fly ash-based geopolymer,

Phosphate-based geopolymer, Organic-mineral geopolymer, - Properties: physical, chemical and long-term durability, - Applications: Quality controls, Development of user-friendly systems, Castable geopolymer, industrial and decorative applications, Geopolymer / fiber composites, Foamed geopolymer, Geopolymers in ceramic processing, Manufacture of geopolymer cement, Geopolymer concrete, Geopolymers in toxic and radioactive waste management. It is a textbook, a reference book instead of being a collection of scientific papers. Each chapter is followed by a bibliography of the relevant published literature including 80 patents, 125 tables, 363 figures, 560 references, 720 authors cited, representing the most up to date contributions of the scientific community. The industrial applications of geopolymers with engineering procedures and design of processes are also covered in this book

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