

Mekanika Teknik Heinz Frick

'Structure and Architecture' is an essential textbook for students and practitioners of architecture and structural engineering. MacDonald explains the basic principles of structure and describes the ranges of structure types in current use. Furthermore, the book links these topics directly with the activity of architectural design and criticism. An update of the first edition, 'Structure and Architecture 2ed' includes a revised opening chapter, and a new section that discusses prominent buildings constructed since the last edition was published in 1994. Angus MacDonald deals with structures holistically, relating detailed topics back to the whole structure and building. He aims to answer the questions: What are architectural structures? How does one define the difference between the structure of a building and all of the other components and elements of which it consists? What are the requirements of structures? What is involved in their design? An understanding of the concepts involved in answering these questions and an appreciation of how the structure of a building functions enhances the ability of an individual to appreciate its architectural quality. This book is unique in that it discusses the structural component of architectural design in the context of visual and stylistic issues.

A comprehensive guide to distributed algorithms that emphasizes examples and exercises rather than mathematical argumentation. This book offers students and researchers a guide to distributed algorithms that emphasizes examples and exercises rather than the intricacies of mathematical models. It avoids mathematical argumentation, often a stumbling block for students, teaching algorithmic thought rather than proofs and logic. This approach allows the student to learn a large number of algorithms within a relatively short span of time. Algorithms are explained through brief, informal descriptions, illuminating examples, and practical exercises. The examples and exercises allow readers to understand algorithms intuitively and from different perspectives. Proof sketches, arguing the correctness of an algorithm or explaining the idea behind fundamental results, are also included. An appendix offers pseudocode descriptions of many algorithms. Distributed algorithms are performed by a collection of computers that send messages to each other or by multiple software threads that use the same shared memory. The algorithms presented in the book are for the most part "classics," selected because they shed light on the algorithmic design of distributed systems or on key issues in distributed computing and concurrent programming. Distributed Algorithms can be used in courses for upper-level undergraduates or graduate students in computer science, or as a reference for researchers in the field.

When Gurov sees the lady with the little dog on a windswept promenade, he knows he must have her. But she is different from his other flings – he cannot forget her ... Chekhov's stories are of lost love, love at the wrong time and love that can never be. United by the theme of love, the writings in the Great Loves series span over two thousand years and vastly different worlds. Readers will be introduced to love's endlessly fascinating possibilities and extremities: romantic love, platonic love, erotic love, gay love, virginal love, adulterous love, parental love, filial love, nostalgic love, unrequited love, illicit love, not to mention lost love, twisted and obsessional love...

The Handbook of Environmental Health-Biological, Chemical and Physical Agents of Environmentally Related Disease, Volume 1, Fourth Edition includes twelve chapters on a variety of topics basically following a standard chapter outline where applicable with the exception of chapters 1, 2 and 12. The outline is as follows: 1. Background and status 2. Scientific, technological and general information 3. Statement of the problem 4. Potential for intervention 5. Some specific resources 6. Standards, practices, and techniques 7. Modes of surveillance and evaluation 8. Various controls 9. Summary of the chapter 10. Research needs for the future Chapter 1, Environment and Humans discusses ecosystems, energy technologies and environmental problems, important concepts of chemistry, transport and alteration of chemicals in the environment, environmental economics, risk-benefit analysis, environmental health law, environmental impact statements, competencies for the environmental health practitioner. Chapter 2, Environmental Problems and Human Health has a general discussion of people and disease followed by a brief discussion of physiology including the human cell, blood, lymphatic system, tissue membranes, nervous system, respiratory system, gastrointestinal system and urinary system. There is a discussion of toxicological principles including toxicokinetics and toxicodynamics. There is a discussion of carcinogenesis, mutagenesis, reproductive toxicity and teratogenesis and the role of environmental contaminants in causing disease. Medical surveillance techniques utilized to measure potential toxicity are included. Basic concepts of microbiology are discussed followed by principles of communicable diseases and emerging infectious diseases. There's an explanation of epidemiological principles including epidemiological investigations and environmental health and environmental epidemiology. The chapter concludes with a discussion of risk assessment and risk management. Chapter 3, Food Protection discusses food microbiology, reproduction and growth of microorganisms, environmental effects on bacteria, detergents and disinfectants, sources of foodborne disease exposure, FoodNet, various foodborne infections, bacterial food poisoning, chemical poisoning, poisonous plants and fungi, allergic reactions, parasitic infections, chronic aftereffects of foodborne disease, vessel sanitation programs, food quality protection acts, plans review, food service facilities, food storage, inspection techniques, preparation and serving of food, cleaning and sanitizing equipment and utensils, insect and rodent control, flow systems, epidemiological study techniques, Hazard Analysis and Critical Control Point Inspection, food protection controls, food service training programs, national food safety initiative. Chapter 4, Food Technology discusses emerging or reemerging foodborne pathogens, chemistry of foods, food additives and preservatives, food spoilage, pesticides and fertilizers in food, antibiotics in food, heavy metals and the food chain, use of recycled plastics in food packaging, environmental problems in milk processing, poultry processing, egg processing, meat processing, fish and shellfish processing, produce processing, and imported foods. National standards, practices and techniques are provided for milk, ice cream, poultry, eggs, meat, produce and seafood. Current modes of surveillance and evaluation as well as appropriate control measures are provided for each of the above areas. Chapter 5, Insect Control discusses scientific, technological, and general information about various insects of public health significance including fleas, flies, lice, mites, mosquitoes, and roaches. There is a substantial discussion of the many diseases transmitted by insects including African Bite Fever, Bubonic Plague, Chagas Disease, Colorado Tick Fever, Dengue Fever, Ehrlichioses, Encephalitis, Lyme Disease, Malaria, Rickettsial Pox, Rocky Mountain Spotted Fever, Scabies, Scrub Typhus, Tularemia, Typhus Fever, Viral Hemorrhagic Fevers, Yellow Fever. Included in the text are the national standards, practices, and techniques utilized to conduct surveys, methods of prevention and controls of the insects. Further there is a discussion of emerging and reemerging insect borne diseases including why this is occurring. Integrated pest management is a special topic. Chapter 6, Rodent Control discusses the characteristics and behavior of murine rodents and deer mice, how

they affect humans and the various diseases that they cause. National standards, practices and techniques are established for rodent poisoning and trapping, food and harborage removal, and rodent proofing. A special feature is the discussion of an actual working community rodent control program. Chapter 7, Pesticides discusses current issues, current laws and the effects of pesticides on groundwater, surface water, land, food, air and people. The various categories of pesticides and current allowable usage of inorganic insecticides and petroleum compounds, chlorinated hydrocarbons, organophosphates, carbamates, biolarvicides, and insect growth regulators are discussed. Chapter 8, Indoor Environment discusses indoor air pollution, housing, health and the housing environment, human illness, monitoring environmental disease, residential wood combustion, environmental tobacco smoke, carbon monoxide, radon gas, volatile organic compounds, asbestos, molds, bacteria and other biological contaminants, environmental lead hazards, noise, accidents and injuries. National standards, practices, and techniques are provided for all areas of the indoor environment, and survey techniques and housing studies are included. Chapter 9-Institutional Environment discusses the complex environment and potential for disease in nursing and convalescent homes, old-age homes, schools, colleges, and universities, prisons and hospitals. There are in-depth discussions on the potential for spread of disease through air, water, fomites, surfaces, people, food, laundry, insects and rodents, laboratories and biohazards, and surgical suites. Within the hospital setting there are extended discussions of heating, air conditioning, and laminar flow, housekeeping, laundry, solid and hazardous waste, maintenance, plumbing, food, hazardous chemicals, insects and rodents, radioactive materials, water supply, emergency medical services, fire safety and patient safety programs. Handwashing and hospital environmental control is explained in depth including the various microorganisms that may be transmitted by hands. There is a special discussion on laboratories and bio hazards including bacterial agents, fungal agents, parasitic agents, prions, rickettsial agents, viral agents, arboviruses and related zoological viruses. There are additional discussions on human immunodeficiency virus, hepatitis B virus, hepatitis C virus, tuberculosis, resistant organisms. Emerging and reemerging infection problems are of great significance. Hospital acquired infection and routes of transmission are significant problems. Occupational health and safety problems in the hospital are analyzed. The most recent CDC guidelines for all these areas are included. A significant number of inspection and survey forms are included in order for the reader to get a better understanding of specific problems in a specific institution. Chapter 10-Recreational Environment includes problems and solutions to problems in water quality, water supply, sewage, plumbing, shelter, food, solid waste, fish handling, stables, swimming and boating. Chapter 11-Occupational Environment includes a discussion of the interrelated challenges of various pressures in the environment. It includes physical agents such as sound, non-ionizing radiation, ionizing radiation, hot and cold temperature extremes. It also includes discussions of chemical agents such as toxic chemicals, flammable chemicals, corrosive chemicals, reactive agents. It includes discussions of biological agents. Ergonomics is an essential part of the chapter. The occupational health controls of substitution, isolation, ventilation, personal protective equipment, housekeeping, and education for control of physical agents, chemical agents, biological agents and ergonomic factors are also discussed. Chapter 12-Major Instrumentation for Environmental Evaluation of Occupational, Residential, and Public Indoor Settings discusses instantaneous or real-time monitoring, integrated or continuous monitoring, personal monitoring and area monitoring. Techniques and equipment are discussed for various airborne particulates and gaseous agents. Integrated or continuous monitoring of sound as well as instantaneous or real-time monitoring of sound is explained. Evaluation of air temperature factors are discussed. Evaluations of the illumination, microwave radiation, electric and magnetic fields, ionizing radiation, air pressure, velocity and flow rate are presented. Excellent graphics help the reader understand the principles of instrumentation. A large and current bibliography by chapter is included at the end of the book. This state-of-the-art computerized graphics can be found throughout the book. A comprehensive index of both Volume I and Volume II is at the end of the book to aid the reader in easily finding necessary information. The reader is referred to the Volume II when appropriate. The book is user-friendly to a variety of individuals including generalist professionals as well as specialists, industrial hygiene personnel, health and medical personnel, the media, supervisors and managers of environmental health and occupational health areas, and students. Individuals can easily gain appropriate and applicable standards, rules and regulations to help the individual increase knowledge in a given area or solve actual problems. The book is utilized to help individuals also prepare for registration examinations. The book is co-published with the National Environmental Health Association.

Refleksi keilmuan, merupakan salah satu proses yang kami inisiasi dalam merangkai beberapa acara Dies Natalis Arsitektur Unika Soegijapranata Semarang ke 53 tahun. Refleksi keilmuan ini memiliki tujuan untuk mewadahi keluarga besar dosen Arsitektur Soegijapranata untuk menelisik kembali, tentang keilmuannya masing-masing yang selama ini terus dipupuk untuk menghidupi nyala Pendidikan Arsitektur. Lebih daripada itu, kami juga berharap semoga melalui refleksi ini kita semua bisa bersyukur untuk anugerah keilmuan yang diberikan Tuhan kepada keluarga besar dosen Arsitektur Soegijapranata. Refleksi keilmuan dalam rangka Dies Natalis ke 53 tahun Arsitektur Soegijapranata dilaksanakan di Tengah pandemi covid 19. Evolusi selebrasi harus terjadi agar acara tetap dapat berlangsung. Walaupun dilaksanakan secara virtual, namun esensi refleksi keilmuan ini tetap dapat berjalan dengan baik tanpa adanya hambatan. Apresiasi untuk para panitia baik dosen, tenaga kependidikan, alumni maupun mahasiswa.

Visualizing Research guides postgraduate students in art and design through the development and implementation of a research project, using the metaphor of a 'journey of exploration'. For use with a formal programme of study, from masters to doctoral level, the book derives from the creative relationship between research, practice and teaching in art and design. It extends generic research processes into practice-based approaches more relevant to artists and designers, introducing wherever possible visual, interactive and collaborative methods. The Introduction and Chapter 1 'Planning the Journey' define the concept and value of 'practice-based' formal research, tracking the debate around its development and explaining key concepts and terminology. 'Mapping the Terrain' then describes methods of contextualizing research in art and design (the contextual review, using reference material); 'Locating Your Position' and 'Crossing the Terrain' guide the reader through the stages of identifying an appropriate research question and methodological approach, writing the proposal and managing research information. Methods of evaluation and analysis are explored, and of strategies for reporting and communicating research findings are suggested. Appendices and a glossary are also included. Visualizing Research draws on the experience of researchers in different contexts and includes case studies of real projects. Although written primarily for postgraduate students, research supervisors, managers and academic staff in art and design and related areas, such as architecture and media studies, will find this a valuable research reference. An accompanying website www.visualizingresearch.info includes multimedia and other resources that complement the book.

Now in Its Fourth Edition: Your Guide to Successful Facility Design Overcome design and planning problems using the fourth edition of Facilities Design. Dedicated to the proper design, layout, and location of facilities, this definitive guide outlines the main design and operational problems that occur in manufacturing and service systems, explains the significance of facility design and planning problems, and describes how mathematical models can be used to help analyze and solve them. Combining theory with practice, this revised work presents state-of-the-art topics in materials handling, warehousing, and logistics along with real-world examples that emphasize the importance of modeling and analysis when determining a solution to complex facility design problems. What's New in the Fourth Edition: The latest version introduces new material that includes handling equipment and systems, and presents relevant case studies in each and every chapter. It also provides access to Layout-iQ software, data files for many of the numerical examples that are contained throughout the book, and PowerPoint files for various chapters. Additionally, the author: Describes tools commonly used for presenting layout designs Presents traditional models for facility layout including the popular systematic layout planning (SLP) model in detail Provides a layout project involving the SLP model Covers group technology and cellular manufacturing at the elementary level Includes a project and case study on machine grouping and layout Considers next-generation factory layouts Discusses analytical queuing and queuing network models, and more Facilities Design, Fourth Edition explains the ins and outs of facility planning and design. A reference for both student and professional, the book addresses facilities design and layout problems in manufacturing systems and covers layout, logistics, supply chain, warehousing, and materials handling. Please visit the author's website for ancillary materials: <http://sundere.okstate.edu/downloadable-software-programs-and-data-files>.

Mekanika teknik statika & kegunaannya Mekanika teknik MEKANIKA TEKNIK 2, Statika dan Kegunaannya Kanisius MEKANIKA TEKNIK 1, Statika dan Kegunaannya Kanisius PENGETAHUAN DASAR STATIKA DAN ANALISIS GAYA-GAYA DALAM LAINNYA Ahlimedia Book

With the global economy in a precarious position, nurturing new entrepreneurial high-technology firms is likely to comprise a key component of any policy to encourage economic growth, both in developed and developing countries. Recent high-technology ventures – such as retailing in the music industry – have shown how entrepreneurs can radically change, or even replace, the structure of existing industries. High-Technology Entrepreneurship introduces and analyzes all the major aspects of high-technology small-firm formation and growth. Locational and functional aspects of the process, as well as how contexts for development may vary between developed and developing economies are also discussed. Other key topics that are addressed include: how high technology firms originate in theory and practice entrepreneurship theory incubators, science parks and clustering entrepreneurial strategy and finance. Students taking Master's-level courses in entrepreneurship, technology, innovation, academic enterprise and industrial development will find this an essential textbook for completing their studies.

On contribution of Astra International, a conglomerate company, to the advancement of innovation, practice of management, and leadership in Indonesia; volume commemorating of its 60th anniversary.

Assalamualaikum wr. wb. Penulis mengucapkan syukur kepada Allah SWT atas segala keberkahan, kesehatan, serta keterbukaan ilmu dan berpikir di mana akhirnya penulis dapat menyelesaikan buku ini. Statika merupakan ilmu dasar perancangan teknik yang dipelajari oleh mahasiswa Teknik Mesin, Teknik Sipil, maupun Teknik Industri. Tujuan buku ini adalah untuk membantu mahasiswa memahami materi perkuliahan dalam menerapkan prinsip-prinsip dasar statika yang berkaitan dengan sistem gaya, konsep benda tegar, konsep keseimbangan, dan analisis balok, untuk menghitung dan merancang konstruksi sederhana dalam bidang mekanika teknik statis tertentu. Mengingat tingginya tingkat kesulitan dari beberapa buku sejenis yang menyebabkan tidak meratanya pemahaman dan tujuan yang ingin dicapai, maka buku ini disusun dengan bahasa yang mudah dipahami dan dengan penyajian yang sederhana sehingga apa yang diharapkan dari tujuan semula dapat tercapai nantinya. Buku ini awalnya adalah bahan ajar kuliah Statika-Mekanika yang penulis ampu di Jurusan Teknik Sipil dan Industri Universitas Putra Indonesia (YPTK) Padang. Karena pembahasannya yang ringan dan diminati oleh sebagian besar mahasiswa serta dengan sedikit penambahan dan perbaikan, maka penulis memutuskan untuk menerbitkannya menjadi sebuah buku agar penggunaannya dapat lebih luas lagi. Penulis menyadari keterbatasan ilmu pengetahuan yang dimiliki sehingga dalam penyusunannya, buku ini merangkum berbagai sumber referensi. Buku referensi yang banyak penulis gunakan adalah [Kas13], [Mer88], [Ira07] dan [Pra12]. Sebagian besar, baik materi, contoh-contoh soal, maupun kisi-kisi soal latihan yang penulis sajikan, juga banyak diambil dari buku-buku tersebut. Penulisan kode buku, misal [Kas13], merujuk kepada tiga huruf nama awal pengarang dengan dua angka terakhir dari tahun terbitnya yang berarti Kastawan tahun 2013. Khusus untuk acuan [Pra12], penulis memperolehnya tanpa ada tahun terbitnya, tetapi penulis memperkirakan bahwa sumber tersebut diterbitkan sekitar tahun 2012. Untuk hal ini penulis minta maaf dan mohon ijin untuk ditampilkan. Dengan penyebutan sumber referensi ini diharapkan kejujuran ilmiah dapat terus terjaga. Banyak pengalaman yang didapat dalam penulisan buku ini, terutama atas dukungan berbagai pihak yang telah banyak membantu. Untuk itu, penulis ucapkan terima kasih kepada para pendahulu yang bukunya penulis jadikan sumber acuan dan referensi. Penghargaan terbesar kepada kedua orang tuaku, Ayahanda Rustam (alm.) dan Ibunda Asmanidar, yang setiap waktu menjadi penguat dan penyemangat setiap perjalanan yang penulis tempuh. Kepada istriku, Yanti Darmawi, terima kasih sudah mengikhhlaskan waktu-waktu bersama yang terpaksa terganggu saat penyusunan buku ini. Kedua putraku, Abduzzoel Djalalil Ikham Imaney dan Musa Al Khawarizmi, yang menjadi motivasi dalam berkarya. Terima kasih juga kepada kakak-kakakku atas dukungan morel maupun materiel yang diberikan selama ini. Penulis juga mengucapkan terima kasih kepada almarhum Bapak H. Herman Nawas dan Ibu DR. Zerni Melmusi, selaku pendiri kampus Universitas Putra Indonesia Yayasan Perguruan Tinggi Komputer Padang (UPI-YPTK Padang) beserta keluarga besar UPI-YPTK Padang tempat penulis mengabdikan, terutama para dosen di lingkungan Fakultas Teknik yang selalu menjadi teman diskusi

dan bertukar pikiran. Tak lupa pula ucapan terima kasih kepada tim penerbit yang telah mengapresiasi, memfasilitasi, serta banyak membantu dalam proses penerbitan hingga menjadi sebuah buku yang, Insyaallah, bermanfaat bagi pembaca sekalian. Penulis menyadari buku ini sekadar penuangan pengetahuan yang amat sedikit yang diberikan oleh Allah SWT sehingga apa yang sudah disajikan di dalamnya sangat jauh dari kata sempurna. Oleh sebab itu, penulis menerima dengan hati dan pikiran terbuka untuk semua saran dan kritik yang sifatnya membangun demi perbaikan di masa mendatang. Akhir kata, mudah-mudahan buku ini dapat memberi manfaat kepada pembaca, terlebih hal itu dapat meningkatkan motivasi dalam berkarya. Selamat membaca! Wassalamualaikum wr. wb.

Building and architecture has developed a language of its own, with terms and jargon that can confuse an expert let alone an outsider. Misunderstandings over what a word means can be irritating but unimportant, but could in the worst cases be costly or even dangerous. Traditional building dictionaries rely on the reader to already know what the correct word is, and that's not always the case. Roxanna McDonald's technique is radically different, and makes full use of the power of visual communication to convey information. Each stage of the building and design process is illustrated, and each hand-drawn illustration is carefully labelled with the relevant technical terms, to ensure that each term is used correctly and consistently by everyone working on a project. The 'Illustrated Building Pocket Book' is a radical approach to the age-old problem of the ambiguous use of technical language in building and architecture. By using drawings – which leave little room for ambiguity – clarity, safety and certainty can be achieved. * Detailed hand-drawn images explain what terms mean and show how to use them * Logical progression through the building process * Avoid costly and dangerous misunderstandings about what is meant by building jargon

Now in its second English edition, Mechanics of Materials is the second volume of a three-volume textbook series on Engineering Mechanics. It was written with the intention of presenting to engineering students the basic concepts and principles of mechanics in as simple a form as the subject allows. A second objective of this book is to guide the students in their efforts to solve problems in mechanics in a systematic manner. The simple approach to the theory of mechanics allows for the different educational backgrounds of the students. Another aim of this book is to provide engineering students as well as practising engineers with a basis to help them bridge the gaps between undergraduate studies, advanced courses on mechanics and practical engineering problems. The book contains numerous examples and their solutions. Emphasis is placed upon student participation in solving the problems. The new edition is fully revised and supplemented by additional examples. The contents of the book correspond to the topics normally covered in courses on basic engineering mechanics at universities and colleges. Volume 1 deals with Statics and Volume 3 treats Particle Dynamics and Rigid Body Dynamics. Separate books with exercises and well elaborated solutions are available.

Structure As Architecture provides readers with an accessible insight into the relationship between structure and architecture, focusing on the design principles that relate to both fields. Over one hundred case studies of contemporary buildings from countries across the globe including the UK, the US, France, Germany, Spain, Hong Kong and Australia are interspersed throughout the book. The author has visited and photographed each of these examples and analyzed them to show how structure plays a significant architectural role, as well as bearing loads. This is a highly illustrated sourcebook, providing a new insight into the role of structure, and discussing the point where the technical and the aesthetic meet to create the discipline of 'architecture'.

Sigmund Freud, the founder of modern psychoanalysis, remade our view of the human mind by exploring the unconscious forces that drive us. This collection of his groundbreaking writings on the psychology of love examines the nature of desire, transgression, fantasy and erotic taboo. United by the theme of love, the writings in the Great Loves series span over two thousand years and vastly different worlds. Readers will be transported to different places and introduced to love's endlessly fascinating possibilities and varied forms: romantic love, platonic love, erotic love, gay love, virginal love, adulterous love, parental love, filial love, nostalgic love, unrequited love, illicit love, not to mention lost love, twisted and obsessional love...

Re-Juice with Jesus was prayerfully written and designed to strengthen believers in Christ every day of the year. To keep a healthy body, one must be consistent daily with exercise and to eat and drink in some healthy nutrition. Doing these things makes us feel better physically and the mind gets sharpened as a result. In the mornings and throughout the day many people drink high protein and fruit drinks that helps provide physical energy. This devotional book will help give you a boost in your spiritual life and feed you with sound doctrine so that you may grow stronger in Christ. Like our physical bodies, each new day we need to be re-energized spiritually by prayer and time in the Word of God. This prepares us for our walk with Christ and to be ready to share the Word of God with others. So, let the Lord fill your cup as you Re-Juice with Jesus!

Building construction in Javanese architecture.

This revision of Segui's best-selling introduction to structural steel design closely reflects ongoing changes in the AISC LRFD Specifications and The Manual of Steel Construction. Its practical, down-to-earth presentation avoids excessive detail while providing a comprehensive study of structural steel design, including coverage of tension and compression members, beams, beam-columns, and connections. In later chapters, the book delivers a systematic discussion of composite members and plate girders. Synopsis This introductory textbook for undergraduate engineering students outlines the basic concepts in structural steel design, and discusses tension members, compression members, beams, beam-columns, simple connections, eccentric connections, composite connections, and plate girders.

This is today's indispensable introduction to supply chain management for today's students and tomorrow's managers – not yesterday's! Prof. Hokey Min focuses on modern business strategies and applications – transcending obsolete logistics- and purchasing-driven approaches still found in many competitive books. Focusing on outcomes throughout, The Essentials of Supply Chain Management shows how to achieve continuous organizational success by applying modern supply chain concepts. Reflecting his extensive recent experience working with leading executives and managers, Min teaches highly-effective methods for supply chain thinking and problem-solving. You'll master an integrated Total System Approach that places functions like inventory control and transportation squarely in context, helping you smoothly integrate internal and external functions, and establish effective inter-firm cooperation and strategic alliances across complex supply chains. Coverage includes: Understanding modern sourcing, logistics, operations, sales, and marketing – and how they fit together Using modern supply chain methods to improve customer satisfaction and quality Working with cutting-edge supply chain technology and metrics Moving towards greater sustainability and more effective risk management Working with core analytical tools to evaluate supply chain practices and measure performance Legal, ethical, cultural, and environmental/sustainability aspects of modern supply chain operations How to build a career in global supply chain management The Essentials of Supply Chain Management will be an indispensable resource for all graduate and undergraduate students in supply chain management, and for every practitioner pursuing professional certification or executive education in the field.

This volume focuses on one of the most prevalent and devastating psychiatric disorders, depression. The contributors apply a developmental analysis to the etiology, course, and sequelae of depression

across the lifespan. The effects of depression on multiple domains of functioning, including socio-emotional, social cognitive, and psychobiological, are explored. In addition to the impact of the disorder on the depressed individual, its role on the developmental process in offspring of depressed parents and for families having a depressed member are examined and reviewed. Contributors: BARRY NURCOMBE, PAUL F. COLLINS, RICHARD A. DEPUE, JEFFREY F. COHN, SUSAN B. CAMPBELL, KARLEN LYONS-RUTH, PAMELA M. COLE, CAROLYN ZAHN-WAXLER, JAMES C. COYNE, GERALDINE DOWNEY, JULIE BOERGER, CONSTANCE HAMMEN, E. MARK CUMMINGS, PATRICK R. DAVIES, DONNA T. ROSE, LYN Y. ABRAMSON, JULES R. BEMPORAD and STEVEN J. ROMANO.

?As the janitor in a haunted house, single mom Abby Jenkins has many contacts with the living and the dead in the small Pacific Northwest town of Sunset Cove, which puts her in a perfect position to solve local mysteries. Or so she thinks. Hired to find diamonds hidden in a haunted manor she gets help from a Viking ghost with existential issues. Will she survive? This book contains bad-boy ghosts, mischievous magic, and a woman who knows what she wants in a Viking hayloft.

A new edition of Francis D.K. Ching's illustrated guide to structural design Structures are an essential element of the building process, yet one of the most difficult concepts for architects to grasp. While structural engineers do the detailed consulting work for a project, architects should have enough knowledge of structural theory and analysis to design a building. Building Structures Illustrated takes a new approach to structural design, showing how structural systems of a building—such as an integrated assembly of elements with pattern, proportions, and scale—are related to the fundamental aspects of architectural design. The book features a one-stop guide to structural design in practice, a thorough treatment of structural design as part of the entire building process, and an overview of the historical development of architectural materials and structure. Illustrated throughout with Ching's signature line drawings, this new Second Edition is an ideal guide to structures for designers, builders, and students. Updated to include new information on building code compliance, additional learning resources, and a new glossary of terms Offers thorough coverage of formal and spatial composition, program fit, coordination with other building systems, code compliance, and much more Beautifully illustrated by the renowned Francis D.K. Ching Building Structures Illustrated, Second Edition is the ideal resource for students and professionals who want to make informed decisions on architectural design.

This volume is devoted to the history of engineers from the 16th to the 20th century. It begins with two general papers, the first one by M. Duffy on the nature of engineering, the other by E. Knobloch on engineers of the Renaissance and their illustrated manuscripts. The other papers deal with the training of engineers, their methods, and role in the international technological transfers as well as the biography of some famous engineers.

Comprehensive student-friendly resources designed for teaching Cambridge International AS and A Level English Language (syllabus 9093 for first examination in 2015). The core aim of this Coursebook is to help students to develop and apply the key skills they need to achieve in AS and A Level English Language. They will build the skills needed for assessment through frequent activities. Divided into two distinct parts for AS and A Level studies, the book covers a wide range of reading skills, such as understanding aspects of style, voice and tone. It also addresses the conventions of key kinds of writing and spoken language, from scripted speeches to travel articles, and looks at how they can capture these conventions in their own work.

The third edition of this long-selling introductory textbook and ready reference covers all pertinent topics, from basic statistics via modeling and databases right up to the latest regulatory issues. The experienced and internationally recognized author, Matthias Otto, introduces the statistical-mathematical evaluation of chemical measurements, especially analytical ones, going on to provide a modern approach to signal processing, designing and optimizing experiments, pattern recognition and classification, as well as modeling simple and nonlinear relationships. Analytical databases are equally covered as are applications of multiway analysis, artificial intelligence, fuzzy theory, neural networks, and genetic algorithms. The new edition has 10% new content to cover such recent developments as orthogonal signal correction and new data exchange formats, tree based classification and regression, independent component analysis, ensemble methods and neuro-fuzzy systems. It still retains, however, the proven features from previous editions: worked examples, questions and problems, additional information and brief explanations in the margin.

This book covers the entire gamut of bridge engineering investigation, design, construction and maintenance of bridges. The coverage is not dealt with isolation, but discussed in relation to basic approaches to design of bridges, supported by numerous case studies. Further, the book includes design details of superstructures and foundations. Bridge Engineering has been thoroughly revised to reflect the changes in technology that have occurred in the past. It includes new chapters on grade separators and river training works, with special reference to revised design standards. The book has been specifically designed to suit the requirements of design and practising engineers as well as students in India.

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