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Sustainable Building Systems and Construction for Designers - Lisa M. Tucker 2014-12-18

Sustainable Building Systems and Construction for Designers, Second Edition, continues to be the best resource for viewing building construction and its systems through the lens of sustainability. As a practicing architect and an interior designer, author Lisa M. Tucker covers all systems including structural, mechanical, electrical and lighting, plumbing, and interior building systems as they relate to sustainability and interior design. The technical knowledge and vocabulary presented in the text allows interior designers, architects, engineers, and contractors to communicate effectively with each other while collaborating on projects. This new edition -- produced in an easier-to-use format - contains the latest information on LEED, ADA, Net Zero construction, and sustainable construction practices.

Environmental Science in Building - Randall McMullan 2017-12-01

This popular textbook covers how the built environment and the management of energy relate to the quality of human living-conditions and the environmental performance of buildings. It is the key introductory text for understanding the principles and theories of the environmental science behind construction, and the only text on the market to provide the basic scientific principles of such a broad range of topics. The

text covers a range of areas in the field, including climate change, energy management, and sustainability in construction, with an important focus on contemporary environmental topics such as carbon, lifetime performance and rating schemes. The author is known for his extremely clear, finely crafted text, and the book offers a wealth of excellent worked examples. This text is designed to be useful, at all levels, to students and practitioners of architecture, construction studies, building services, surveying, and environmental science. New to this Edition: - Expansion upon the environmental narrative with coverage of contemporary topics such as carbon, lifetime performance and rating schemes - Additional figures, images and sub-topics in chapters - An updated section on building services to give a broader understanding of modern building services equipment options, specifications and performance implications - Inclusion of a new section which offers commentary on the future of environmental science in building

Law in Modern Society - Denis Galligan 2006-09-14

Providing an introduction to law in modern society, D. J. Galligan considers how legal theory, and particularly H. L. A Hart's The Concept of Law, has developed the idea of law as a highly developed social system, which has a distinctive character and structure, and which shapes and influences people's behaviour. The

concept of law as a distinct social phenomenon is examined through reference to, and analysis of, the work of prominent legal and social theorists, in particular M. Weber, E. Durkheim, and N. Luhmann. Galligan's approach is guided by two main ideas: that the law is a social formation with its own character and features, and that at the same time it interacts with, and is affected by, other aspects of society. In analysing these two ideas, Galligan develops a general framework for law and society within which he considers various aspects including: the nature of social rules and the concept of law as a system of rules; whether law has particular social functions and how legal orders run in parallel; the place of coercion; the characteristic form of modern law and the social conditions that support it; implementation and compliance; and what happens when laws are used to change society. Law in Modern Society encourages legal scholars to consider the law as an expression of social relations, examining the connections and tensions between the positive law of modern society and the spontaneous relations they often try to direct or change.

Carbon Dioxide Capture and Storage - IPCC
2005-12-19

IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers.

Late Style and its Discontents - Gordon McMullan 2016-09-01

'Late style' is a critical term routinely deployed to characterise the work of selected authors, composers, and creative artists as they enter their last phase of production—often, but not only, in old age. Taken at face value, this terminology merely points to a chronological division in the artist's oeuvre, 'late' being the antonym of 'early' or the third term in the triad 'early-middle-late'. However, almost from its inception, the idea of late style or late work has been freighted with aesthetic associations and expectations that promote it as a special episode in the artist's creative life. Late style is often characterised as the imaginative response made by exceptional talents to the imminence of their death. In their confrontation with death creative artists, critics claim, produce work that is by turns a determination to continue while strength remains, a summation of their life's work and a

radical vision of the essence of their craft. And because this creative phenomenon is understood as primarily an existential response to a common fate, so late style is understood as something that transcends the particularities of place, time and medium. Critics seeking to understand late work regularly invoke the examples of Titian, Goethe, and Beethoven as exemplars of what constitutes late work, proposing that something unites the late style of authors, composers, and creative artists who otherwise would not be bracketed together and that lateness per se is a special order of creative work. The essays in this collection resist this position. Ranging across literature, the visual arts, music, and scientific work, the material assembled here looks closely at the material, biographical and other contexts in which the work was produced and seeks both to question the assumptions surrounding late style and to prompt a more critical understanding of the last works of writers, artists and composers.

Building Quantities Explained - Ivor H. Seeley
1999-11-11

A long established text that aims to meet the needs of students studying building measurement in the early years of quantity surveying and building degree courses. It contains a careful selection of 28 worked examples embracing all the principal building elements and including alternative constructional methods to illustrate a range of approaches.

Maker Comics: Bake Like a Pro! - Falynn Koch 2019-02-05

Maker Comics is the ultimate DIY guide. Inside this graphic novel you will find illustrated instructions for eight tasty treats! Today is the first day of Sage's magical internship! Her fellow wizards-in-training get to study pyromancy and transfiguration, but Sage has been assigned an internship in...baking? She doesn't think that sounds fun, or particularly magical! But her instructor, Korian, insists that baking is a tasty form of alchemy. In an enchanted kitchen where the ingredients insist that you eat them, Sage learns the simple science behind baking—and that's the best kind of magic trick! In *Bake Like a Pro!*, you'll learn how different combination of proteins, fats, and liquids will result in textures that lend themselves to perfect pies, breads,

cookies, and more! Follow these simple recipes, and you'll be able to bake a pizza and frost a cake—no magic necessary! Follow the easy step-by-step instructions and you can make:

Chocolate chip cookies
Cornbread
Banana bread
Pizza dough
Cheesy biscuits
Apple pies
Sponge cake with Swiss buttercream frosting
Lemon meringue pie

Building Procurement - Alan Turner 1990-12-01

Aims to explain in simple terms how the construction constituents of client, consultants and contractors fit together, as well as providing practical guidance on the decisions necessary to choose a particular procurement route.

The Construction of Buildings - Robin Barry 1996

This book gives information on foundations and oversite concrete, walls, floors, and roofs.

The Science of Clays - Swapna Mukherjee 2013-10-09

This book is an attempt to provide a comprehensive and coherent description of three widely separated aspects of clays: the science of clays; the industrial uses of clays; and the role of clays in the environment. Most of the existing literature lacks such an integrated study and this work endeavours to fill that gap. An exhaustive account of the science of clays is presented in Part I of the book, which includes the classification, origin and evolution, composition and internal structure, chemical and physical properties of clays; soil mechanics; and analytical techniques for determining clay constituents. Part II provides a comprehensive description of the applications of clays and their derivatives in various industries, while Part III describes the role of clays in the environment; the pollution caused by clay minerals; and the application of clays in order to prevent environmental hazards. A principal feature of the book is its explanation of how the structure and composition of particular clay types facilitate their specific industrial or environmental applications, thus describing the interrelationship between three widely varying aspects of clay. A number of thought-provoking questions are raised at the end of the work in order to leave readers with a better insight in this regard.

Construction 2 - Alan V. Hore 1997-11-11

This book studies the techniques of construction

technology and services, and the principles of environmental and materials science and their applications. It also studies the nature and the historical development of the built environment together with the roles of people working in the construction industry. This wide range of topics is of practical use to students and practitioners studying and working in building construction, civil engineering, surveying, planning and development. The style of writing is kept simple and supported by a clear explanations, a structured layout, practical examples and diagrams. Includes definitions, checklists and keyword summaries to help students preparing for tests, examinations and assignments.

Architectural Acoustics Illustrated - Michael Ermann 2015-01-16

Unite the science of sound and the principles of design to enhance any space. *Architectural Acoustics Illustrated* translates the quantitative and qualitative content of acoustics into the graphic language of architecture. This highly-visual guide includes over 350 illustrations that outline the physics of sound and the best design practices for limiting or mitigating noise in buildings by using the latest in materials and techniques. Each chapter includes a summary checklist of design guidelines to help prevent mistakes and oversights, and the Instructor's website offers video animations demonstrating acoustical concepts. Designed as a "first look" at the interaction of sound and space, the book explains the principles of architectural acoustics and their practical applications, providing a comprehensive guide for designing with acoustics in mind. Architectural acoustics is more than just concert halls - it may determine building placement, division of interior space, exterior construction, and even siting. When addressed early in the design process, the resulting space can be free of unwanted sound and promote good hearing; if left unaddressed, the problems with the space can lead to lawsuits and costly post-construction remediation. *Architectural Acoustics Illustrated* helps designers solve most acoustical problems in advance, by enabling readers to: Understand the physical science underlying the behavior of sound Consider the interactions of sound and space in the initial design approach Mitigate building sounds such as those produced

by HVAC and plumbing with early design planning Design spaces for listening, and incorporate acoustics best practices into every plan The highly visual format of the book helps readers grasp complex concepts quickly, and thorough discussion of each concept's real-world application ties the science directly into the design process. All design professionals need to have a fundamental understanding of acoustics, and Architectural Acoustics Illustrated is a comprehensive, practical guide in an easy-to-read format.

Engaging Children with Print - Laura M. Justice 2013-12-17

Preschool teachers and early childhood professionals know that storybook reading is important, but they may not know how to maximize its benefits for later reading achievement. This indispensable guide presents research-based techniques for using reading aloud to intentionally and systematically build children's knowledge of print. Simple yet powerful strategies are provided for teaching preschoolers about book and print organization, print meaning, letters, and words, all while sharing engaging, commercially available books. Appendices include a detailed book list and 60 reproducibles that feature activities and prompts keyed to each text.

Design of Structural Masonry - William M. C. McKenzie 2001-01

"Design of Structural Masonry" provides a comprehensive source of information on practical masonry design, introduces the nature and inherent characteristics of masonry given in relation to the requirements of BS 5628 and introduces the use of Eurocode EC6 in structural masonry design. The book's content ranges from an introduction to masonry as a material to the design of realistic structures.

The Management of Construction: A Project Lifecycle Approach - F. Lawrence Bennett 2007-06-01

Management of Construction introduces all aspects of management practice to students and professionals based in the construction industry. It is also important for those involved in allied fields such as design, project development, and site monitoring and inspection. The book addresses each stage of the construction project from conception to completion, giving a

perspective on the whole life cycle often missing from textbooks. The author also balances engineering concerns with the human resource and personal aspects of construction management that are so important to the successful outcome of a project.

Stonewall: A Building. An Uprising. A Revolution - Rob Sanders 2019-04-23

Celebrate Pride every day with the very first picture book to tell of its historic and inspiring role in the gay civil rights movement, from the author of the acclaimed *Pride: The Story of Harvey Milk and the Rainbow Flag*. A powerful and timeless true story that will allow young readers to discover the rich and dynamic history of the Stonewall Inn and its role in the LGBTQ+ civil rights movement--a movement that continues to this very day. In the early-morning hours of June 28, 1969, the Stonewall Inn was raided by police in New York City. Though the inn had been raided before, that night would be different. It would be the night when empowered members of the LGBTQ+ community--in and around the Stonewall Inn--began to protest and demand their equal rights as citizens of the United States. Movingly narrated by the Stonewall Inn itself, and featuring stirring and dynamic illustrations, *Stonewall: A Building. An Uprising. A Revolution* is an essential and empowering civil rights story that every child deserves to hear.

Essentials of Environmental Health - Robert H. Friis 2011-01-07

This best-selling offering from the APHA/JB Learning Essential Public Health series is a clear and comprehensive study of the major topics of environmental health. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

An Architecture of Complexity - Lucien Kroll 1986

In *An Architecture of Complexity* Kroll describes his working method and the theory that informs it, with reference to and illustrations of actual building projects over a period of twenty years.

Architecture and Engineering - Oleg Kapliński 2020-12-18

The book is addressed to architects and civil engineers. Design and research are areas connecting their activities. The contents of the book confirm the fact that the interface between

architecture and engineering is multidimensional. The ways of finding points of contact between the two industries are highlighted. This is favored by the dynamically changing reality, supported by new design paradigms and new research techniques. The multithreaded subject matter of the articles is reduced to six sections: Research Scopes, Methods, Design Aspects, Context, Nature of Research, and Economy and Cost Calculation. Each of the articles in these six blocks has its weight. And so, in the Nature of Research section, the following areas have been underscored: laboratory tests, in situ research, field investigations, and street perception experiments. The section Design Aspects includes design-oriented thinking, geometrical forms, location of buildings, cost prediction, attractor and distractor elements, and shaping spatial structures. The new design and research tools are an inspiration and a keystone bonding architects and engineers.

Structural Masonry - Arnold W. Hendry
1998-11-11

The second edition of this book offers the most comprehensive treatment of structural masonry currently available. The contents include consideration of the basic concepts of stability and safety of masonry structures, the strength of masonry materials in compression, shear and flexure, followed by chapters on composite action, accidental damage, reinforced and prestressed masonry, arches and the testing of materials.

Sustainable Building for a Cleaner Environment - Ali Sayigh 2018-07-12

This book contains selected papers presented during the bi-annual World Renewable Energy Network's Med Green Forum aimed at the international community as well as Mediterranean countries. This forum highlights the importance of growing renewable energy applications in two main sectors: Electricity Generation and the Sustainable Building Sector. In-depth chapters highlight the most current research and technological breakthroughs, covering a broad range of renewable energy technologies and applications in all sectors - for electricity production, heating and cooling, agricultural applications, water desalination, industrial applications and for the transport

sectors.

Design as a Catalyst for Learning - Meredith J. Davis 1997

This book presents findings of a 1993 study of how design in the curriculum helps students achieve national educational objectives. It also explores opportunities for expanding the role design can play in students' academic lives. Results of the 1993 study reveal how the use of design experiences in classrooms provides teachers and students with a learning construct for the next century. The book summarizes descriptive research that makes qualitative statements regarding current classroom practice and identifies effective models for using design in classrooms. The research tapped three primary sources of data: (1) a review of the literature; (2) a national qualitative survey of teachers; and (3) site visits to 10 schools. Also, the researchers conducted qualitative interviews with principals, curriculum coordinators, other school or district administrators, teachers, teachers' aides, students, and parents. The six chapters include: (1) "Learning Through Design"; (2) "Lifelong Learning"; (3) "A Strategy for Excellent Teaching"; (4) "Design in the Curriculum"; (5) "Opportunities and Challenges for Schools"; and (6) "Conclusions and Recommendations." Three appendices, a bibliography, and information about the authors, the National Endowment for the Arts, and the Association for Supervision and Curriculum Development conclude the document. (EH)

Social and Sustainability Marketing - Jishnu Bhattacharyya 2021-09-26

"... an important intervention in the conversation around social and ecological sustainability that draws on both micromarketing and macromarketing scholarship to help the reader understand the challenges with illustrations from insightful cases both from emerging and developed economies. This compilation should be essential reading for the discerning student of sustainable consumption and production." -- Professor Pierre McDonagh, Associate Editor, Journal of Macromarketing (USA); Professor of Critical Marketing & Society, University of Bath, UK Experts in the field of economics, management science, and particularly in the marketing domain have always been interested in and acknowledged the importance of

sustaining profitable businesses while incorporating societal and environmental concerns; however, the level of existing literature and availability of teaching cases reflect a dearth of real case studies, especially those focused on marketing for social good. This book of actual case studies will address that need. In addition, this book is important and timely in providing a case book for instructors (those in both industry and academia) to help them in teaching and training the next generation of leaders through corporate training and universities. Currently, marketing for social good is increasingly becoming a part of most curriculums under the umbrella of different titles, such as social marketing, green marketing, and sustainability marketing. The relevance of these studies is increasing across the globe. This book is composed of long and short real cases with varying complexity in different sectors. This case book will also cover some review articles for an overview of the recent developments in the study area. With these case studies, collections of questions, teaching materials, and real-life marketing scenarios, this book offers a unique source of knowledge to marketing professionals, students, and educators across the world. The main objective of this case book is to understand the applicability of marketing science (marketing for social good context, such as social marketing and sustainability marketing) in internet marketing related to e-buying behavior and e-WOM. In addition, it illustrates the various types of existing marketing practices that are relevant from both theoretical and practical points of view in this electronic era, as well as discussing other non-electronic marketing practices and focusing on consumer buying behavior. As a result, marketing managers can treat their customers according to their desired value. This book particularly explores the possibilities and advantages created by social marketing and sustainability marketing through the presentation of thorough review articles and case studies. This case book helps corporate training centers and universities with compact teaching reference materials in their relevant courses.

Property Finance - David Isaac 2020-01-25
Property Finance is an accessible and

comprehensive guide to the field of property finance, linking the practicalities of property and construction with an understanding of core financial structures and concepts. It introduces the key components of real estate investment and development cycles, and explores the interconnected roles of the financial services industry, property companies, joint ventures, banks, and real estate developers. For this edition, a new co-author, Mark Daley, has been brought on board. He brings a wealth of knowledge and teaching experience to this well-established textbook. An ideal book for students undertaking real estate or construction-related degrees, it is also useful for personal study or further information and help in this particular area of finance.

Pinocchio, the Tale of a Puppet - Carlo Collodi 2011-02

Pinocchio, The Tale of a Puppet follows the adventures of a talking wooden puppet whose nose grew longer whenever he told a lie and who wanted more than anything else to become a real boy. As carpenter Master Antonio begins to carve a block of pinewood into a leg for his table the log shouts out, "Don't strike me too hard!" Frightened by the talking log, Master Cherry does not know what to do until his neighbor Geppetto drops by looking for a piece of wood to build a marionette. Antonio gives the block to Geppetto. And thus begins the life of Pinocchio, the puppet that turns into a boy. Pinocchio, The Tale of a Puppet is a novel for children by Carlo Collodi is about the mischievous adventures of Pinocchio, an animated marionette, and his poor father and woodcarver Geppetto. It is considered a classic of children's literature and has spawned many derivative works of art. But this is not the story we've seen in film but the original version full of harrowing adventures faced by Pinocchio. It includes 40 illustrations.

Reinforced Concrete Design - W.H. Mosley 2012-04-10

The purpose of this text is to provide a straightforward introduction to the principles and methods of design for concrete structures. The theory and practice described are of fundamental nature and will be of use internationally.

Environmental Science in Building - Randall McMullan 1989

Senses of Place: Senses of Time - G.J.

Ashworth 2017-03-02

Bringing together case studies from Ireland, the Netherlands, Canada, Germany and Mexico, this book examines the link between senses of place and senses of time. It suggests that not only do place identities change through time, but imagined pasts also provide resources which the present selects and packages for its own contemporary purposes and for forwarding to imagined futures. The reasons behind the creation of place image are also explored, setting them within political and social contexts. In its three main sections - Heritage in the Creation of Senses of Place; Heritage and Conflicting Identities; and Heritage and the Creation of Senses of Place - the book examines the creation of place identities at the urban, rural, regional and international scales. It questions how senses of place interact with senses of ethnic/cultural identity, what the roles of government, media, residents and tourists are in creating senses of place, and how and why all these variables change through time.

Building Maintenance - Ivor H. Seeley

1987-11-20

A comprehensive, up-to-date and illustrated exposition of building maintenance in all its aspects, to serve the needs of building surveyors and other professionals involved in this activity and building, surveying and architectural students. It shows the great importance of properly maintaining buildings and the advisability of providing adequate feedback to the design team. All the main building defects are described and illustrated and the appropriate remedial measures examined. Alterations and improvements to buildings and the specifying, measurement, pricing, tendering and contractual procedures are all examined, described and illustrated. In addition, the planning and financing, execution and supervision of maintenance work receive full consideration.

Thinking Through Place on the Early

Modern English Stage - Andrew Bozio

2020-02-06

Thinking Through Place on the Early Modern English Stage argues that environment and embodied thought continually shaped one another in the performance of early modern

English drama. It demonstrates this, first, by establishing how characters think through their surroundings — not only how they orient themselves within unfamiliar or otherwise strange locations, but also how their environs function as the scaffolding for perception, memory, and other forms of embodied thought. It then contends that these moments of thinking through place theorise and thematise the work that playgoers undertook in reimagining the stage as the setting of the dramatic fiction. By tracing the relationship between these two registers of thought in such plays as *The Malcontent*, *Dido Queen of Carthage*, *Tamburlaine*, *King Lear*, *The Knight of the Burning Pestle*, and *Bartholomew Fair*, this book shows that drama makes visible the often invisible means by which embodied subjects acquire a sense of their surroundings. It also reveals how, in doing so, theatre altered the way that playgoers perceived, experienced, and imagined place in early modern England.

Construction - Sally Sutton 2014

Big machines and their drivers work together to build a library.

Building Regulations Pocket Book - Ray Tricker
2018-02-06

This handy guide provides you with all the information you need to comply with the UK Building Regulations and Approved Documents. On site, in the van, in the office, wherever you are, this is the book you'll refer to time and time again to double check the regulations on your current job. The Building Regulations Pocket Book is the must have reliable and portable guide to compliance with the Building Regulations. Part 1 provides an overview of the Building Act Part 2 offers a handy guide to the dos and don'ts of gaining the Local Council's approval for Planning Permission and Building Regulations Approval Part 3 presents an overview of the requirements of the Approved Documents associated with the Building Regulations Part 4 is an easy to read explanation of the essential requirements of the Building Regulations that any architect, builder or DIYer needs to know to keep their work safe and compliant on both domestic or non-domestic jobs This book is essential reading for all building contractors and sub-contractors, site engineers, building engineers, building control officers,

building surveyors, architects, construction site managers and DIYers. Homeowners will also find it useful to understand what they are responsible for when they have work done on their home (ignorance of the regulations is no defence when it comes to compliance!).

Science for Policy Handbook - Vladimir Sucha
2020-07-29

Science for Policy Handbook provides advice on how to bring science to the attention of policymakers. This resource is dedicated to researchers and research organizations aiming to achieve policy impacts. The book includes lessons learned along the way, advice on new skills, practices for individual researchers, elements necessary for institutional change, and knowledge areas and processes in which to invest. It puts co-creation at the centre of Science for Policy 2.0, a more integrated model of knowledge-policy relationship. Covers the vital area of science for policymaking Includes contributions from leading practitioners from the Joint Research Centre/European Commission Provides key skills based on the science-policy interface needed for effective evidence-informed policymaking Presents processes of knowledge production relevant for a more holistic science-policy relationship, along with the types of knowledge that are useful in policymaking

The Indigo Book - Christopher Jon Sprigman
2017-07-11

This public domain book is an open and compatible implementation of the Uniform System of Citation.

Mass Spectrometry in Environmental Sciences - O. Hutzinger 2013-11-11

During the past ten years a variety of methods involving mass spectrometry have been developed for the analysis of environmentally important compounds. Much has been accomplished in that period to solve some of the important problems in the field. Growth of this methodology and its accomplishments has reached the point where an individual scientist can no longer have an in-depth knowledge of all the areas involved. We have attempted to provide this in-depth picture to those scientists concerned by having the important topics treated by experts in the subject matter. In order to provide all the relevant material in one volume we begin with the general topics which

provide the basic background material necessary to understand the techniques discussed in the in-depth topics. These general chapters are kept brief, containing only the essentials needed by the working scientist to deal with the practical applications. References in these chapters are chosen to permit a more complete study of each chapter. The concept for this book was developed during the activities of two of the editors under a NATO travel grant. These editors gratefully acknowledge this support which made the initial planning of this book possible. The editors would like to thank the individual authors of each chapter for their cooperation and generously giving of their time for this project.

On Sympathy - Sophie Ratcliffe 2008-05-15
What happens when we engage with fictional characters? How do our imaginative engagements bear on our actions in the wider world? Moving between the literary and the philosophical, Sophie Ratcliffe considers the ways in which readers feel when they read, and how they understand ideas of feeling. *On Sympathy* uses dramatic monologues based on *The Tempest* as its focus, and broaches questions about fictional belief, morality, and the dynamics between readers, writers, and fictional characters. The book challenges conventionally accepted ideas of literary identification and sympathy, and asks why the idea of sympathy has been seen as so important to liberal humanist theories of literary value. Individual chapters on Robert Browning, W. H. Auden, and Samuel Beckett, who all drew on Shakespeare's late play, offer new readings of some major works, while the book's epilogue tackles questions of contemporary sympathy. Ranging from the nineteenth century to the present day, this important new study sets out to clarify and challenge current assumptions about reading and sympathetic belief, shedding new light on the idea and ideal of sympathy, the workings of affect and allusion, and the ethics of reading.

Construction Technology 2: Industrial and Commercial Building - Mike Riley 2018-02-20
Designed in a structured, directed format to help develop understanding, rather than just providing a simple source of information, this popular undergraduate textbook offers comprehensive coverage of industrial and

commercial building technology. It builds on material in the first volume in the series *Construction Technology 1: House Construction* but it is also valuable as a standalone text. The most student-friendly textbook in the area, it uses a wealth of features to reinforce understanding and test knowledge, including case studies and comparative studies. Case studies include photographs and commentary on specific aspects of the technology of framed buildings, while comparative studies allow the reader to make a critical evaluation, comparing and contrasting design details and solutions. This textbook is aimed at undergraduates in Construction Management, Quantity Surveying and Building Surveying, and HNC/D students in the same areas. It is also ideal for associated Built Environment courses e.g. Land Management, Civil Engineering, where the basic technologies need to be understood. New to this Edition: - Thoroughly revised throughout - New material on sustainable construction incorporated as a key theme in each aspect of technology - A new chapter on building services installations - A new section of the highly topical subject of Building Information Modelling (BIM)

Construction 2 - Alan V. Hore 1997-09-04

Topics covered include the techniques of construction technology and services, the principles of environmental and materials science and their applications, and the nature and historical development of the built environment.

Environmental Management in

Construction - Heng Li 2007-01-24

Demands on the construction industry are changing, and it is now virtually essential for environmental management to be considered at all stages of a project. Many construction managers are finding a quantitative approach useful, and this book outlines four quantitative methods which can be applied at different construction stages, and which fit within a comprehensive framework of dynamic Environmental Impact Assessment (EIA). These include: a method to quantitatively evaluate and reduce pollution and hazards levels a method to evaluate the environmental-consciousness of proposed construction plans a method to reduce on-site construction wastes through an incentive reward programme a method to promote C and D waste exchange in the local construction industry. With an experimental case study of the application of these methods, this book delivers a comprehensive review of environmental management issues in construction. With regulatory requirements potentially favouring the quantitative approach, this timely guide ensures that contractors will be able to keep pace with environmental management standards.

Environmental Science in Building - Randall McMullan 1998

This work examines the science and technology of those provisions and services that are required in the built environment. The main considerations are the effects of heat, light and sound within buildings. In addition other essential requirements such as supplies of electricity and water are discussed.