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Spring 2026

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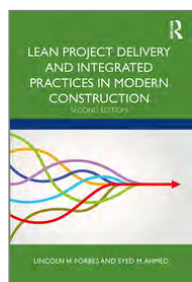


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2ND EDITION

Lean Project Delivery and Integrated Practices in Modern Construction



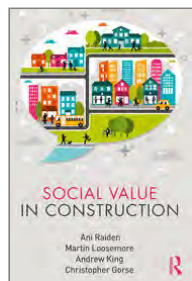
Lincoln H. Forbes Florida International University, Miami, USA, **Syed M. Ahmed** East Carolina University, USA

Lean Project Delivery and Integrated Practices in Modern Construction is the new and enhanced edition of Modern Construction by Lincoln H. Forbes and Syed M. Ahmed. This book provides a multi-faceted approach for applying lean methodologies to improve design and construction processes. It builds on the groundwork established by the first edition as a compendium of the latest research and thinking on lean and integrated construction practices. Recognizing the wide diversity in the landscape of projects, and encompassing private and public sector activity, buildings and infrastructure, the book offers a number of approaches to improving construction project management.

Routledge
April 2020 : 522pp
Hb: 978-1-138-31124-4 : **£87.99**
eBook: 978-0-429-45898-9

* For full contents and more information, visit: www.routledge.com/9781138311244

Social Value in Construction



Ani Raiden Nottingham Business School, Nottingham Trent University, UK, **Martin Loosemore**, **Andrew King** Soul Value Consultancy, **Christopher Gorse** Leeds Beckett University, UK

Series: Social Value in the Built Environment

This is the first book looking at social value in construction, setting the agenda by exploring important questions through real-life case studies and examples of best practice to demonstrate how innovative companies can utilise contemporary research to create social value. It is time the construction industry viewed community involvement and CSR as an opportunity, and this is the book that shows the industry how. This is essential reading for all professionals in the construction, engineering, architecture and built environment sector. Project managers, clients, contract managers, quantity surveyors, CSR and HR personnel in particular will gain a lot from reading this book.

Routledge
December 2018 : 238pp
Pb: 978-1-138-29510-0 : **£52.99**
Hb: 978-1-138-29509-4 : **£155**
eBook: 978-1-315-10080-7

* For full contents and more information, visit: www.routledge.com/9781138295100

The Client Role in Successful Construction Projects



Jason Challender Leeds City College of Further and Higher Education, UK, **Russell Whitaker** Innovate Estates Ltd, UK

A practical guide for clients on how to initiate, procure and manage construction projects. This book gives the client knowledge, skills and a voice through practical case studies, analysis of client best practice and checklists for before during and after the project has completed. Guidance on the use of BIM is also covered as is an examination of different practices in the UK, Europe and Asia. This book is highly recommended not only for clients, but for construction industry professionals who want to develop their own skills and enhance their working relationship with their clients, and those looking for a practical toolkit for teaching the unique role clients have in project development.

Routledge
May 2019 : 318pp
Pb: 978-1-138-05821-7 : **£52.99**
Hb: 978-1-138-05820-0 : **£140**
eBook: 978-1-315-16445-8

* For full contents and more information, visit: www.routledge.com/9781138058217

Total Construction Management

Lean Quality in Construction Project Delivery



John S. Oakland, **Marton Marosszeky**

Starting by introducing the language of total quality, lean, and operational excellence, this book takes the reader right up to the latest industry practice in this sector, and demonstrates the best way to manage change. Written by two of the world's leading experts, Total Construction Management offers a clearly structured introduction to the most important management concepts and practices used in the global construction industry today. This authoritative book covers issues such as BIM, institutional waste, and construction safety, all explained with international case studies. It is a perfect guide for construction managers and ideal for those preparing to enter the industry.

Routledge
February 2017 : 634pp
Pb: 978-1-138-90854-3 : **£75.99**
Hb: 978-1-138-90853-6 : **£200**
eBook: 978-1-315-69435-1

* For full contents and more information, visit: www.routledge.com/9781138908543

BIM and Big Data for Construction Cost Management



Weisheng Lu, Chi Cheung Lai, Tung Tse

This book is designed to help a wide range of construction project management professions understand what BIM and big data could mean for them. Case studies show how BIM has integrated core quantity surveying and cost management responsibilities and how big data can enable informed decision-making for cost control and planning. It demonstrates, with practical examples, the importance of using BIM and big data to sharpen competitiveness in global and domestic markets. Implications for project management, facilities management, contract administration and dispute resolution are also explored making this book essential for reading for built environment and engineering professionals.

Routledge

June 2021 : 178pp

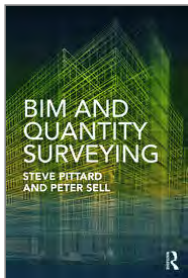
Pb: 978-1-032-09459-5 : **£50.99**

Hb: 978-0-815-39094-7 : **£94.99**

eBook: 978-1-351-17232-5

* For full contents and more information, visit: www.routledge.com/9781032094595

BIM and Quantity Surveying



Edited by Steve Pittard London South Bank University, UK
, Peter Sell Gardiner & Theobald LLP, UK

Case studies are used to show how firms at the forefront of BIM technology have integrated core quantity surveying responsibilities like cost estimating, tendering, and development appraisal into high profile BIM projects. In addition to this, the implications for project management, facilities management, contract administration and dispute resolution are also explored through case studies, making this a highly valuable guide for those in a range of construction project management roles adapting to BIM.

Routledge

December 2015 : 276pp

Pb: 978-0-415-87043-6 : **£39.99**

Hb: 978-0-415-87042-9 : **£190**

eBook: 978-1-315-67736-1

* For full contents and more information, visit: www.routledge.com/9780415870436

Building Lean, Building BIM

Improving Construction the Tidhar Way



Rafael Sacks, Samuel Korb, Ronen Barak

This book is the essential guide for any construction company that wants to implement Lean Construction and Building Information Modelling (BIM) to gain a strategic edge over their competition. The first of its kind, it outlines the principles of Lean, the functionality of BIM, and the interactions between the two, illustrating them through the story of how a medium sized enterprise, Tidhar Construction, has implemented Lean and BIM over four years. Highly relevant to a wide range of readers from the construction industry and important reading for Lean and BIM enthusiasts, researchers and students from a variety of industries and backgrounds.

Routledge

December 2017 : 420pp

Pb: 978-1-138-23723-0 : **£71.99**

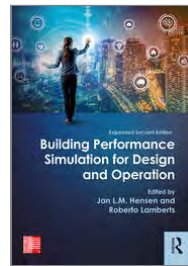
Hb: 978-1-138-23722-3 : **£200**

eBook: 978-1-315-30051-1

* For full contents and more information, visit: www.routledge.com/9781138237230

2ND EDITION

Building Performance Simulation for Design and Operation



Edited by **Jan L.M. Hensen** Technical University of Eindhoven, the Netherlands, **Roberto Lamberts** Federal University of Santa Catarina, Brazil

This new edition provides a unique and comprehensive overview of building performance simulation for the complete building life-cycle from conception to demolition, and from a single building to district level. It contains new chapters on building information modelling, occupant behaviour modelling, urban physics modelling, urban building energy modelling, and renewable energy systems modelling. This new edition keeps the same chapter structure throughout including learning objectives, chapter summaries and assignments. It is primarily intended for building and systems designers and operators, post-graduate architectural, environmental or mechanical engineering students.

Routledge

May 2019 : 792pp

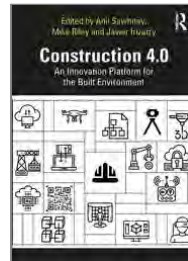
Hb: 978-1-138-39219-9 : **£170**

eBook: 978-0-429-40229-6

* For full contents and more information, visit: www.routledge.com/9781138392199

Construction 4.0

An Innovation Platform for the Built Environment



Edited by **Anil Sawhney, Michael Riley, Javier Irizarry**

The aim of this handbook is to describe the Construction 4.0 framework and consequently highlight the resultant processes and practices that allow us to plan, design, deliver and operate built environment assets more effectively and efficiently by focusing on the physical-to-digital transformation and then digital-to-physical transformation. This book is essential reading for all built environment and AEC stakeholders who need to get to grips with the technological transformations currently shaping their industry, research and teaching.

Routledge

October 2023 : 526pp

Pb: 978-1-032-65360-0 : **£52.99**

Hb: 978-0-367-02730-8 : **£180**

eBook: 978-0-429-39810-0

* For full contents and more information, visit: www.routledge.com/9781032653600

Construction and Building Automation

From Concepts to Implementation



Benny Raphael

This book is intended to be used as a textbook in undergraduate civil engineering and construction courses to introduce cutting edge mechanical, electrical and computer science topics that are needed for civil and construction engineers to collaborate in inter-disciplinary automation projects. It is sure to be essential reading for a growing number of courses in smart construction, building automation, robotics, intelligent buildings and construction 4.0.

Routledge

July 2022 : 276pp

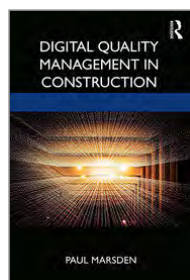
Pb: 978-0-367-76110-3 : **£52.99**

Hb: 978-0-367-76127-1 : **£155**

eBook: 978-1-003-16562-0

* For full contents and more information, visit: www.routledge.com/9780367761103

Digital Quality Management in Construction



Paul Marsden CQP MCQI, Dip Mgmt, Head of Quality at Horizon Nuclear Power, UK

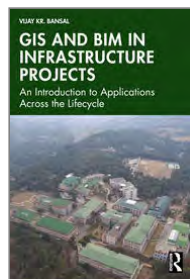
This is the first "how to" book on harnessing disruptive technology in construction quality management. It examines how future Quality Managers and Engineers will develop digital capabilities in business intelligence platforms, artificial intelligence, block chains, drones, laser scanning, data trusts, 3D printing and many other types of technological advances in construction. Essential reading for quality managers, project managers and all professionals within the Architecture, Engineering and Construction industry (AEC). Students interested in new and disruptive technologies will also learn a great deal from reading this book.

Routledge
May 2019 : 274pp
Pb: 978-1-138-39082-9 : **£52.99**
Hb: 978-1-138-39079-9 : **£140**
eBook: 978-0-429-42306-2

* For full contents and more information, visit: www.routledge.com/9781138390829

GIS and BIM in Infrastructure Projects

An Introduction to Applications Across the Lifecycle



Vijay Kr. Bansal

GIS and BIM in Infrastructure Projects: An Introduction to Applications Across the Lifecycle emphasizes that infrastructure lifestyle planning cannot be done in isolation but must consider surrounding facilities, utilities, neighbourhoods, and topography. It serves as a useful classroom resource and self-study manual, addressing the growing need for integrated BIM-GIS solutions in sustainable infrastructure development and lifecycle management.

Routledge
May 2026 : 250pp
Pb: 978-1-041-28196-2 : **£52.99**
Hb: 978-1-041-28418-5 : **£150**

* For full contents and more information, visit: www.routledge.com/9781041281962

Industrialized Construction in the Age of AI and Robotics



Xiao Li

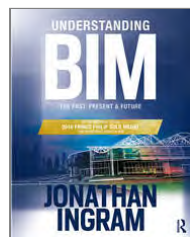
Industrialized Construction in the Age of AI and Robotics explores the transformative convergence of artificial intelligence, robotics, and modern construction methods. This comprehensive textbook reveals how cutting-edge technologies are reshaping the construction industry, offering unprecedented improvements in efficiency, quality, and sustainability. Written for a diverse audience, this essential resource serves as both an academic textbook and a professional reference. Students in Civil Engineering, Industrial Engineering, Construction Engineering and Management, and AI & Robotics programs will find it invaluable for understanding the intersection of these disciplines.

Routledge
July 2026 : 402pp
Pb: 978-1-041-12926-4 : **£51.99**
Hb: 978-1-041-13902-7 : **£96.99**

* For full contents and more information, visit: www.routledge.com/9781041129264

Understanding BIM

The Past, Present and Future



Jonathan Ingram VergeVT Pty Ltd, UK

Written by the 2016 Prince Philip Gold Medal winner, Jonathan Ingram, this book provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages its effective use can provide to a project team. This book is an authoritative account of and reference on BIM for anyone wanting to understand its history, theory, application and potential future developments.

Routledge
July 2020 : 314pp
Pb: 978-0-367-24418-7 : **£59.99**
Hb: 978-0-367-24413-2 : **£155**
eBook: 978-0-429-28230-0

* For full contents and more information, visit: www.routledge.com/9780367244187

2ND EDITION

Virtual Reality and the Built Environment



Jennifer Whyte Imperial College, UK, **Dragana Nikolic** University of Reading, UK

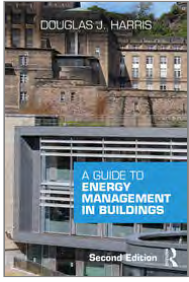
Virtual Reality in the Built Environment is essential reading for professionals in architecture, construction, design, surveying and engineering and students on related courses who need an understanding of BIM, CAD and virtual reality in the sector. The book aims to consider three key questions. What are the business drivers for the use of virtual reality? What are its limitations? How can virtual reality be implemented within organizations? Using international case studies it answers these questions whilst addressing the growth in the recent use of Building Information Modelling and the renewed interest in virtual reality to visualize and understand data to make decisions.

Routledge
February 2018 : 160pp
Pb: 978-1-138-66876-8 : **£49.99**
Hb: 978-1-138-66875-1 : **£140**
eBook: 978-1-315-61850-0

* For full contents and more information, visit: www.routledge.com/9781138668768

2ND EDITION

A Guide to Energy Management in Buildings



Douglas Harris

This new edition of A Guide to Energy Management in Buildings begins by asking why we need to control energy use in buildings and proceeds to discuss how the energy consumption of a building can be assessed or estimated through an energy audit. It then details a range of interventions to reduce energy use and outlines methods of assessing the cost effectiveness of such measures. This new edition includes coverage of cooling of buildings; fuel costs; smart meters and professional education. It should appeal to building managers and facilities managers and also to students of energy management modules in FE and HE courses.

Routledge

November 2016 : 170pp

Pb: 978-1-138-12069-3 : **£54.99**

Hb: 978-1-138-12068-6 : **£190**

eBook: 978-1-315-65157-6

* For full contents and more information, visit: www.routledge.com/9781138120693

Whole Life Costing for Sustainable Building



Mariana Trusson

Whole life costing is now integral to building procurement both for new buildings and major refurbishments. It is key when assessing investment scenarios for estates as well as individual buildings, and has become a tool for justifying higher capital cost items. The reader will be shown how to incorporate this method of whole life valuation into standard cost models allowing for a more robust decision making process. This is done by breaking down project aims into their most basic aspects and adopting the methods of simple quantitative risk analysis the functionality of which is based on real data.

Routledge

November 2019 : 152pp

Pb: 978-1-138-77555-8 : **£52.99**

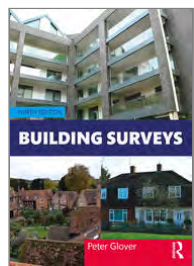
Hb: 978-1-138-59258-2 : **£140**

eBook: 978-1-315-64475-2

* For full contents and more information, visit: www.routledge.com/9781138775558

9TH EDITION

Building Surveys



Peter Glover

Building Surveys has been a trusted guide for both students and professionals for nearly 40 years, evolving to address the challenges and responsibilities of the building surveying role. It covers everything needed for initial inspections such as equipment, know-how and procedures to writing an accurate report. This updated edition features new material on modern methods of construction, new sustainable materials, new surveying technologies, and industry developments in the wake of the Grenfell Fire. Essential reading for building construction students, professional surveyors, and others who may be required to inspect and report on buildings.

Routledge
December 2022 : 394pp
Pb: 978-1-032-30877-7 : **£49.99**
Hb: 978-1-032-30884-5 : **£170**
eBook: 978-1-003-30711-2

* For full contents and more information, visit: www.routledge.com/9781032308777

2ND EDITION

Inspections and Reports on Dwellings

Reporting for Buyers



Ian A. Melville, Ian A. Gordon

Completing the series of books called Inspections and Reports on Dwellings, the third and final book, Reporting for Buyers, offers the surveyor guidance on setting out their findings in a clear, unambiguous and unequivocal manner. The book provides a fuller and more critical picture of the current situation with examples of various types of reports including: the Mortgage Valuation Report; RICS Condition Report; RPSA Home Condition Survey; Scottish Single Survey and the RICS Home Buyer Report among others.

Routledge
February 2016 : 318pp
Pb: 978-0-415-73221-5 : **£78.99**
eBook: 978-1-315-64332-8

* For full contents and more information, visit: www.routledge.com/9780415732215

2ND EDITION

Inspections and Reports on Dwellings

Inspecting



Philip Santo

This second edition of Inspecting updates the market context within which surveyors and valuers are operating. It includes a comparison of the wider choice of survey options professional surveyors can now offer to potential clients, including the RICS Home Survey range. The book retains a focus on the need for the surveyor to recognise and interpret the significance of observations on site. The book has been significantly improved by major enhancements to the structure and indexing to facilitate its use for reference purposes. The original photographs of defects have been further supplemented so there are now over 500 illustrations, each with descriptive text.

Routledge
January 2016 : 566pp
Pb: 978-0-080-97131-5 : **£78.99**
eBook: 978-0-080-97143-8

* For full contents and more information, visit: www.routledge.com/9780080971315

2ND EDITION

Inspections and Reports on Dwellings

Assessing Age



Philip Santo FRICS, Residential Surveyor and Valuer, RICS Consultant, UK

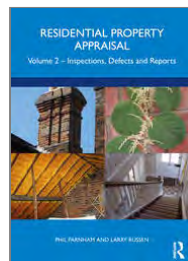
This second edition of Assessing Age updates the market context within which surveyors and valuers are now operating. In particular it has a new section on post-2000 properties, reflecting the profound impact of Government policies and environmental concerns on the modern urban landscape. Contains hundreds of high quality photographs of buildings from the 1600s to the present day.

Estates Gazette
July 2013 : 288pp
Pb: 978-0-080-97132-2 : **£78.99**
eBook: 978-0-080-97144-5

* For full contents and more information, visit: www.routledge.com/9780080971322

Residential Property Appraisal

Volume 2: Inspections, Defects and Reports



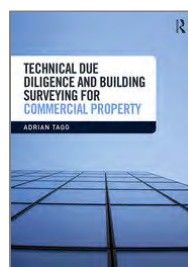
Phil Parnham, Larry Russen BlueBox Partners

Residential Property Appraisal, Volume 1 and 2 is a handbook not only for students studying surveying but also for surveyors and others involved in the appraisal of residential property. Vol. 2 addresses the inspection and survey of residential properties, covering new technology, modern methods of construction, problem plants and pests, damp in new builds, and modern building services. An essential book for students studying to enter the residential survey and valuation profession and for existing practitioners who wish to improve their knowledge of industry practices.

Routledge
November 2022 : 486pp
Pb: 978-1-032-15991-1 : **£57.99**
Hb: 978-1-032-18150-9 : **£145**
eBook: 978-1-003-25310-5

* For full contents and more information, visit: www.routledge.com/9781032159911

Technical Due Diligence and Building Surveying for Commercial Property



Adrian Tagg University of Reading, UK

The first book to introduce the process of TDD and examine the role of the Building Surveyor within the commercial property sector. The book outlines the processes that the surveyor must go through when performing a TDD inspection and report and most importantly covers, in detail, the typical pathology and defects encountered during TDD. Includes hundreds of illustrations and photographs of defects, real world cases studies and suggestions for further reading. An essential reference both at undergraduate and post-graduate level for those working towards their APC and an ideal textbook for Building Surveying courses.

Routledge
September 2018 : 416pp
Pb: 978-1-138-74518-6 : **£59.99**
Hb: 978-1-138-74517-9 : **£150**
eBook: 978-1-315-18071-7

* For full contents and more information, visit: www.routledge.com/9781138745186

4TH EDITION

Understanding Building Failures



James Douglas , Bill Ransom

Series: Understanding Construction

This classic textbook provides a solid introduction to the study of defects in buildings and, subsequently, to good practice in surveying, conservation and repair. With new material on the latest technologies and procedures, and updated lists of further reading for the UK and USA, this remains an excellent companion for practitioners and students alike.

Routledge

April 2013 : 352pp

Pb: 978-0-415-50879-7 : **£58.99**

Hb: 978-0-415-50878-0 : **£190**

eBook: 978-0-203-12517-5

* For full contents and more information, visit: www.routledge.com/9780415508797

4TH EDITION

Understanding Housing Defects



Duncan Marshall , Derek Worthing , Roger Heath

University of the West of England, UK, **Nigel Dann**

University of the West of England, UK

Understanding Housing Defects provides a concise, coherent and comprehensive introduction to the causes, investigation and diagnosis of defects in domestic buildings. For this new edition, many of the chapters have been substantially updated and new photographs have been added. This book is a must have for all those students and practitioners who require a broad understanding of housing defects. Building surveyors, general practice surveyors, architects, estate agents, housing officers and anyone involved in the management and maintenance of property as well as its construction will benefit hugely from this highly informative full-colour text.

Estates Gazette

December 2013 : 560pp

Pb: 978-0-080-97112-4 : **£73.99**

Hb: 978-0-415-62208-0 : **£200**

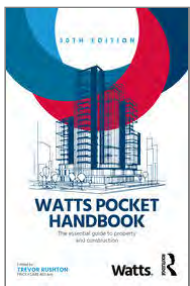
eBook: 978-0-080-97113-1

* For full contents and more information, visit: www.routledge.com/9780080971124

30TH EDITION

Watts Pocket Handbook

The Essential Guide to Property and Construction



Edited by **Trevor Rushton**

This milestone 30th edition of the Watts Handbook has had a thorough overhaul and renews its commitment to share industry knowledge by providing technical and legal information across a comprehensive spread of property and construction topics. It remains the must-have reference book for professionals and students engaged in construction, building surveying, services engineering, architecture, project management, facilities management, quantity surveying, property development and much more.

Routledge

July 2025 : 766pp

Pb: 978-1-032-96636-6 : **£36.99**

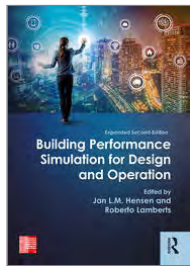
Hb: 978-1-041-05819-9 : **£160**

eBook: 978-1-003-63258-0

* For full contents and more information, visit: www.routledge.com/9781032966366

2ND EDITION

Building Performance Simulation for Design and Operation



Edited by **Jan L.M. Hensen** Technical University of Eindhoven, the Netherlands, **Roberto Lamberts** Federal University of Santa Catarina, Brazil

This new edition provides a unique and comprehensive overview of building performance simulation for the complete building life-cycle from conception to demolition, and from a single building to district level. It contains new chapters on building information modelling, occupant behaviour modelling, urban physics modelling, urban building energy modelling, and renewable energy systems modelling. This new edition keeps the same chapter structure throughout including learning objectives, chapter summaries and assignments. It is primarily intended for building and systems designers and operators, post-graduate architectural, environmental or mechanical engineering students.

Routledge
May 2019 : 792pp
Hb: 978-1-138-39219-9 : **£170**
eBook: 978-0-429-40229-6

* For full contents and more information, visit: www.routledge.com/9781138392199

3RD EDITION

Air Conditioning

A Practical Introduction

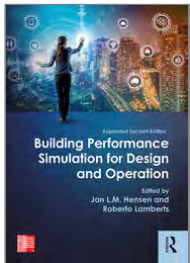
**David Chadderton** Consultant, Australia

David Chadderton's Air Conditioning is the complete introduction and reference guide for students and practitioners of air conditioning design, installation and maintenance. The scientific principles involved are introduced with the help of case studies and exercises, and downloadable spreadsheets help you work through important calculations.

Routledge
April 2014 : 412pp
Pb: 978-0-415-70338-3 : **£78.99**
eBook: 978-1-315-79406-8

* For full contents and more information, visit: www.routledge.com/9780415703383

2ND EDITION

Building Performance Simulation for Design and Operation

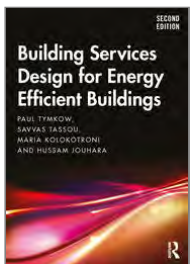
Edited by **Jan L.M. Hensen** Technical University of Eindhoven, the Netherlands, **Roberto Lamberts** Federal University of Santa Catarina, Brazil

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* For full contents and more information, visit: www.routledge.com/9781138392199

2ND EDITION

Building Services Design for Energy Efficient Buildings

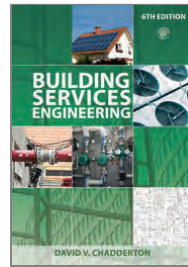
Paul Tymkow Hoare Lea Consulting Engineers, UK, **Savvas Tassou** Brunel University, UK, **Maria Kolokotroni** Brunel University, UK, **Hussam Jouhara** Brunel University, UK

In order to deliver buildings that help to mitigate climate change impacts, a new perspective is required for building services engineers, from the initial conceptual design and throughout the design collaboration with other disciplines. This book provides a contemporary introduction and guide to this new approach, for students and practitioners alike.

Routledge
July 2020 : 390pp
Pb: 978-0-815-36561-7 : **£52.99**
Hb: 978-0-815-36560-0 : **£155**
eBook: 978-1-351-26116-6

* For full contents and more information, visit: www.routledge.com/9780815365617

6TH EDITION

Building Services Engineering**David Chadderton** Consultant, Australia

This bestselling textbook continues with a fully updated new edition, now including extra material on sustainability. Covers all of the main tasks of the building services engineer, as well as the science needed to fully understand the processes involved. The reader is supported throughout with self study questions, diagrams, learning objectives, and a companion website.

Routledge
November 2012 : 416pp
Pb: 978-0-415-69932-7 : **£65.99**
Hb: 978-0-415-69931-0 : **£195**
eBook: 978-0-203-12132-0

* For full contents and more information, visit: www.routledge.com/9780415699327

10TH EDITION

Building Services Handbook**Fred Hall, Roger Greeno** Construction Consultant, UK

The tenth edition of Hall and Greeno's leading textbook has been reviewed and updated in relation to the latest building, wiring and water regulations, new technology, and new legislation. For this edition, new updates include: electric vehicle charging, overheating in buildings, waste water treatment, energy performance certification, mechanical ventilation, food waste recycling, electro-magnetic lifts and biogas processing and much more. The clear illustrations and complementary references to industry Standards combine essential guidance with a resource base for further reading and development of specific topics.

Routledge
September 2023 : 800pp
Pb: 978-1-032-54837-1 : **£46.99**
Hb: 978-1-032-56304-6 : **£170**
eBook: 978-1-003-43489-4

* For full contents and more information, visit: www.routledge.com/9781032548371

Specialized Plumbing Technologies**Syed Azizul Haq**

Specialized Plumbing Technologies presents a unique compilation of specialized plumbing systems rarely covered in general plumbing literature. The book aims to provide detailed guidance on the design, installation, usage, and maintenance of specialized plumbing systems, and the content covers eleven specialized plumbing systems, including dual water supply, chilled water supply, fire standpipe and sprinkler systems, fountains and waterfalls, sprinkler irrigation, steam supply, gas supply, medical gas supply, healthcare plumbing, and swimming pools.

Routledge
July 2026 : 326pp
Pb: 978-1-041-19240-4 : **£59.99**
Hb: 978-1-041-20766-5 : **£150**

* For full contents and more information, visit: www.routledge.com/9781041192404

2ND EDITION

Building Measurement

New Rules of Measurement



Andrew Packer University of Portsmouth, UK

In this much-needed new measurement textbook, the measurement of the most common building elements is described using the NRM. A practical step-by-step approach is used to explain and interpret the detail of the specific Work Sections of NRM2, covering a broad range of different trades, including mechanical and electrical systems; groundwork; masonry; joinery; and internal finishes. Presuming no prior knowledge of measurement or NRM, and fully up to date with current practice, this is the ideal text for students of measurement at HND or BSc level, as well as practitioners needing a crash course in how to apply the NRM.

Routledge
October 2016 : 376pp
Pb: 978-1-138-83814-7 : **£52.99**
Hb: 978-1-138-69402-6 : **£190**
eBook: 978-1-315-73461-3

* For full contents and more information, visit: www.routledge.com/9781138838147

2ND EDITION

Construction Cost Management

Learning from Case Studies



Keith Potts University of Wolverhampton, UK, **Nii Ankrah**

Examines the key issues and best practice in the cost management of construction projects under traditional and new contract strategies. All stages within the life cycle of a project are considered from pre-contract to tendering to post-contract. Worked examples, legal cases and over 70 project case studies are used to illustrate the practical application of theory. Part 1: Introduction Part 2: Management of the Pre-contract Stage Part 3: Key Tools and Techniques Part 4: Procurement Strategies Part 5: Management of the Post-contract stage Part 6: Contracts and Case Studies

Routledge
January 2014 : 392pp
Pb: 978-0-415-62913-3 : **£52.99**
Hb: 978-0-415-62912-6 : **£200**
eBook: 978-0-203-75294-4

* For full contents and more information, visit: www.routledge.com/9780415629133

Continuous Cost Improvement in Construction

Theory and Practice



Temitope Seun Omotayo, **Udayangani Kulatunga**, **Bankole Awuzie**

Continuous Cost Improvement in Construction: Theory and Practice aims to provide students and practitioners with an all-inclusive understanding of strategies for adopting continuous improvement in construction cost management. This book addressed continuous improvement practices from the perspective of cost management and applied case study examples to questions the readers' perspective of continuous cost improvement strategies in the project lifecycle. This book will be key reading for all advanced undergraduate and postgraduate courses in Construction Project Management, Building and Quantity Surveying, as well as Professionals in all aspects of the AEC industry.

Routledge
March 2022 : 288pp
Pb: 978-0-367-77458-5 : **£52.99**
Hb: 978-1-032-00844-8 : **£170**
eBook: 978-1-003-17607-7

* For full contents and more information, visit: www.routledge.com/9780367774585

Cost and Project Management of Modern Methods of Construction



David Roberts, **Gopalakrishnan Gomathinayagam**

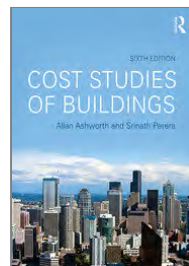
This textbook is aimed at providing students with an insight into the complexities of project management and cost management when working with modern methods of construction (MMC) such as off-site and volumetric construction. Cost Management of Modern Methods of Construction is an essential new textbook for undergraduate and further education students on construction, architecture, built environment and quantity surveying courses, but is also a handy guide for practicing Quantity Surveyors and Project Managers dealing with an increasingly MMC focused industry.

Routledge
June 2026 : 196pp
Pb: 978-1-032-91606-4 : **£44.99**
Hb: 978-1-032-94381-7 : **£91.99**

* For full contents and more information, visit: www.routledge.com/9781032916064

6TH EDITION

Cost Studies of Buildings



Allan Ashworth University of Salford, UK, **Srinath Perera**

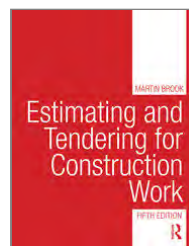
Thoroughly updated and revised throughout, this 6th edition includes extra detail on using the RICS New Rules of Measurement (NRM), and a forward-looking examination of the role of the quantity surveyor. New chapters on ICT in construction and carbon estimating will prepare the reader for the latest emerging aspects of the cost management function.

Routledge
July 2015 : 570pp
Pb: 978-1-138-01735-1 : **£71.99**
Hb: 978-1-138-38196-4 : **£155**
eBook: 978-1-315-70886-7

* For full contents and more information, visit: www.routledge.com/9781138017351

5TH EDITION

Estimating and Tendering for Construction Work



Martin Brook Carillion Plc, UK

This 5th edition explains the job of the estimator through every stage, from early cost studies to the creation of budgets for successful tenders. It covers: new tendering and procurement methods; the move from basic estimating to cost-planning; the NRM, and how practicing estimators will implement the guidance; technologies such as BIM and estimating systems which can interact with 3D design models. Clearly-written and illustrated with examples, notes and technical documentation, this book is ideal for students on construction-related courses at HNC/HND and Degree levels. It is also an important source for associated professions and estimators at the outset of their careers.

Routledge
July 2016 : 356pp
Pb: 978-1-138-83806-2 : **£49.99**
Hb: 978-1-138-68716-5 : **£190**
eBook: 978-1-315-73469-9

* For full contents and more information, visit: www.routledge.com/9781138838062

3RD EDITION

Estimator's Pocket Book

**Duncan Cartledge***Series: Routledge Pocket Books*

The Estimator's Pocket Book, Third Edition is a concise and practical reference covering the main approaches to pricing, as well as useful information such as how to process sub-contractor quotations, tender settlement and adjudication. It is fully up to date with NRM2 (2nd Edition) throughout and based on up-to-date wage rates, legislative changes and guidance notes. An essential source of reference for quantity surveyors, cost managers, project managers and anybody else with estimating responsibilities. The new edition is now accompanied by online spreadsheet examples, 'how to' videos and self-test questions.

Routledge

June 2024 : 312pp

Pb: 978-1-032-66152-0 : **£28.99**Hb: 978-1-032-66155-1 : **£140**eBook: 978-1-032-77334-6 : **£25.99*** For full contents and more information, visit: www.routledge.com/9781032661520

Taking Off Domestic Building Construction

An Introduction to Building Quantities

**Andrew Atkinson**

This book provides detailed guidance to taking off building work using illustrated examples. It is a useful workbook especially for technicians entering the construction industry or students of quantity surveying, construction and civil engineering. Each chapter presents a worked example from the substructure, through to masonry walls, upper floors, roofing, internal finishes, windows and doors, matched with exercises for students and a commentary of the take off work. This practical book is ideal for use on the Design, Surveying and Planning T Level, HNC Construction, undergraduate and non-cognate postgraduate courses in Quantity Surveying, Construction and Building Surveying.

Routledge

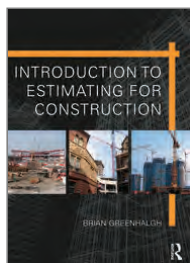
December 2023 : 226pp

Pb: 978-1-032-17160-9 : **£40.99**Hb: 978-1-032-18152-3 : **£170**

eBook: 978-1-003-25312-9

* For full contents and more information, visit: www.routledge.com/9781032171609

Introduction to Estimating for Construction

**Brian Greenhalgh** Chartered Quantity Surveyor, UK

This is an easy to read introduction to building estimating for undergraduate students. It explains both the traditional techniques, and best practice in early contractor involvement situations, within the framework of modern construction procurement. Reference to international differences, along with discussion questions and chapter summaries make this an ideal first text for estimating students everywhere.

Routledge

January 2013 : 216pp

Pb: 978-0-415-50987-9 : **£52.99**Hb: 978-0-415-50986-2 : **£190**

eBook: 978-0-203-08006-1

* For full contents and more information, visit: www.routledge.com/9780415509879

5TH EDITION

New Aspects of Quantity Surveying Practice

**Duncan Cartledge** Construction Procurement Consultant, UK

The construction industry is undergoing great change particularly with the introduction of digital technologies and the increasing emphasis on sustainability and ethical practice. The fifth edition of New Aspects of Quantity Surveying Practice introduces and discusses these changes and their impact on the industry. Includes: A new chapter on the impact of digital construction and coverage of sustainable construction, procurement trends, ethics and ethical practice and the RICS Futures (2020) publication. Essential reading for all Quantity Surveying students, teachers and professionals.

Routledge

April 2023 : 246pp

Pb: 978-1-032-27595-6 : **£50.99**Hb: 978-1-032-27596-3 : **£145**

eBook: 978-1-003-29345-3

* For full contents and more information, visit: www.routledge.com/9781032275956

5TH EDITION

Construction Economics

A New Approach



Danny Myers University of the West of England, UK, and
University of Bath, UK

Provides students with the principles underlying the relationship between economic theory and the construction industry. The new edition discusses the economic impact of the Covid pandemic on the industry and the implications of the promise to build back better. It includes new coverage of the opportunities offered by technology, new standards for energy efficiency and wellbeing, coverage of the circular economy, retrofitting and recycling, and a new research section on the journey involved in writing a dissertation or extended essay. Essential undergraduate textbook for construction, quantity surveying, building surveying, architecture and engineering students.

Routledge

May 2022 : 368pp

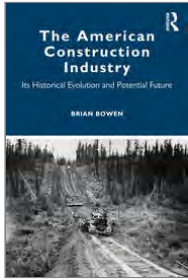
Pb: 978-1-032-26261-1 : **£54.99**Hb: 978-1-032-26282-6 : **£155**

eBook: 978-1-003-28751-3

* For full contents and more information, visit: www.routledge.com/9781032262611

The American Construction Industry

Its Historical Evolution and Potential Future



Brian Bowen

The American Construction Industry meticulously chronicles the evolution of the construction industry from its roots in the medieval guild system to the high-tech jobsite of tomorrow. While celebrating more than two millennia of progress and innovation, this resource for students and professionals uncovers the ways of working that crossed the Atlantic with the earliest European settlers and will continue to define building trades in the United States today and in the years and decades to come. Full color illustrations bring the past to life and provide visual links to the present day.

Routledge

August 2021 : 226pp

Pb: 978-0-367-65438-2 : **£67.99**

Hb: 978-0-367-65540-2 : **£185**

eBook: 978-1-003-13000-0

* For full contents and more information, visit: www.routledge.com/9780367654382

2ND EDITION

Construction Equipment Management



John E. Schaufelberger University of Washington, USA,
Giovanni C. Migliaccio University of Washington, USA

This revised and updated edition integrates both conceptual and hands-on quantitative knowledge on construction equipment into a process that facilitates student learning. The book can be used on numerous courses at different levels to prepare graduates to apply skills on construction equipment when planning for a new project, estimating its costs, and monitoring field operations. Organized around the major categories of construction equipment, including both commercial and heavy civil examples and case studies. A companion website provides an instructor manual, solutions, additional examples, lecture slides, figures and diagrams.

Routledge

March 2019 : 386pp

Pb: 978-0-815-36083-4 : **£78.99**

Hb: 978-0-815-36082-7 : **£155**

eBook: 978-1-351-11746-3

* For full contents and more information, visit: www.routledge.com/9780815360834

3RD EDITION

Building Cost Planning for the Design Team



Jim Smith Bond University, USA, **D M Jagger**, **Peter Love**

Follows the building design cost planning process from the crucial inception stages, through all the design stages to the completion of the technical design, contract documentation and the tender. Refers to BIM, NRM1, and the RIBA Plan of Work to provide a template for good cost planning practice.

Routledge
February 2016 : 388pp
Pb: 978-1-138-90737-9 : **£65.99**
Hb: 978-1-138-41427-3 : **£200**
eBook: 978-1-315-69512-9

* For full contents and more information, visit: www.routledge.com/9781138907379

Infrastructure Procurement and Funding

Harnessing Investment to Deliver a Better Future



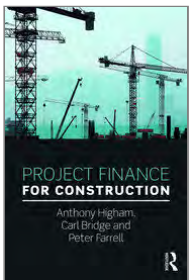
Sharon McClements

Infrastructure Procurement and Funding explores the key models of procuring and financing major projects and infrastructure works whilst critically acknowledging the inherent challenges in successfully securing the necessary funding. The book is ideal reading for international courses in construction procurement, construction project management, infrastructure asset management, real estate investment and finance, but will also be useful for those construction business leaders in public and private sectors who are responsible for making major project and infrastructure financial and investment decisions.

Routledge
September 2022 : 130pp
Pb: 978-0-367-76752-5 : **£52.99**
Hb: 978-0-367-77527-8 : **£155**
eBook: 978-1-003-17180-5

* For full contents and more information, visit: www.routledge.com/9780367767525

Project Finance for Construction



Anthony Higham University of Salford, UK, **Carl Bridge** University of Bolton, UK, **Peter Farrell** University of Bolton, UK

This book is a rare explanation of common construction management activities from a financial point of view. While the practical side of the industry is illustrated here with case studies, the authors also take the time to build up an understanding of balance sheets and P&L accounts before explaining how common tasks like estimating or valuation work from this perspective.

Routledge
December 2016 : 414pp
Pb: 978-1-138-94130-4 : **£44.99**
Hb: 978-1-138-94129-8 : **£170**
eBook: 978-1-315-67376-9

* For full contents and more information, visit: www.routledge.com/9781138941304

Cost Accounting and Financial Management for Construction Project Managers



Len Holm University of Washington, USA

Provides a seamless connection between cost accounting and construction project management from the construction management practitioner's perspective. Covers key topics like financial statements, ratios, cost control, earned value, equipment depreciation, cash flow, cost estimates, change orders, pay requests, project close-out and more advanced topics such as supply chain management, activity based accounting, lean construction techniques, and taxes. Chapters contain review questions and there is a companion website. Ideal for use in cost accounting and financial management classes on undergraduate and graduate construction management or construction engineering programs.

Routledge

August 2018 : 300pp

Pb: 978-1-138-55065-0 : **£78.99**

Hb: 978-1-138-55064-3 : **£155**

eBook: 978-1-315-14730-7

* For full contents and more information, visit: www.routledge.com/9781138550650

5TH EDITION

Construction Contracts

Law and Management



Will Hughes University of Reading, UK, **Ronan Champion** Champion Pearce, UK, **John Murdoch** University of Reading, UK

@text: The fifth edition of this bestselling textbook has been thoroughly revised to provide the most up-to-date and comprehensive coverage of the legislation, administration and management of construction contracts. Includes the latest formats of JCT and FIDIC, as well as coverage of the NEC.

Routledge
April 2015 : 468pp
Pb: 978-0-415-65704-4 : **£59.99**
Hb: 978-0-415-65705-1 : **£220**
eBook: 978-1-315-69521-1

* For full contents and more information, visit: www.routledge.com/9780415657044

4TH EDITION

Construction Contracts

Questions and Answers



David Chappell

This fully revised and updated edition of Construction Contracts: Questions and Answers includes 300 questions and incorporates 42 new judicial decisions, the JCT 2016 updates and the RIBA Building Contracts and Professional Services Contracts 2018 updates. This is both a useful reference for architects, project managers, quantity surveyors and lawyers, but also a useful classroom resource to stimulate interesting discussions about real world construction contract issues.

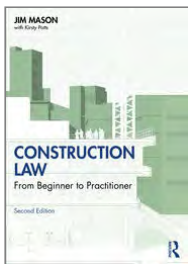
Routledge
November 2020 : 302pp
Pb: 978-0-367-53208-6 : **£60.99**
Hb: 978-0-367-53206-2 : **£155**
eBook: 978-1-003-08093-0

* For full contents and more information, visit: www.routledge.com/9780367532086

2ND EDITION

Construction Law

From Beginner to Practitioner



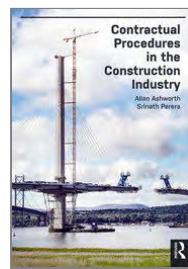
Jim Mason University of the West of England, UK

This second edition of Construction Law: From Beginner to Practitioner provides a thorough and comprehensive guide to construction law by blending together black letter law and socio-legal approaches. Fully updated throughout, this new edition includes coverage of post-Grenfell legislation; increased coverage of modern methods of construction and continuously evolving technologies such as BIM and digital twins; NEC4 and the latest JCT contract suite and the Construction Playbook. This book is useful not only for understanding the basics, but also as a reference that practitioners will use time and again.

Routledge
May 2023 : 350pp
Pb: 978-1-032-46232-5 : **£50.99**
Hb: 978-1-032-46468-8 : **£145**
eBook: 978-1-003-38180-8

* For full contents and more information, visit: www.routledge.com/9781032462325

7TH EDITION

Contractual Procedures in the Construction Industry

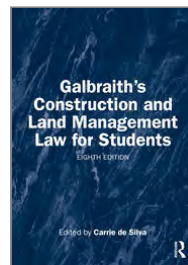
Allan Ashworth, Srinath Perera

This 7th edition aims to provide students with a comprehensive understanding of the subject and reinforces the changes that are taking place within the construction industry. The book looks at contract law within the context of construction contracts, it examines the different procurement routes, lean methods of construction, PFI/PPP, supply chain management and design and build. New chapters cover BIM, sustainability and resilience, and value for money. An essential textbook for Construction Management, Quantity Surveying and Building Surveying students at undergraduate and FE level.

Routledge
March 2018 : 458pp
Pb: 978-1-138-69393-7 : **£65.99**
Hb: 978-1-138-69392-0 : **£160**
eBook: 978-1-315-52905-9

* For full contents and more information, visit: www.routledge.com/9781138693937

8TH EDITION

Galbraith's Construction and Land Management Law for Students

Edited by **Carrie de Silva** Harper Adams University, UK

Clearly written and with wide ranging coverage of key legal principles, this textbook highlights the need for students on built environment related courses to access information on how the law relates to their profession, without getting into the heavy detail of the full-scale legal texts. All chapters in this eighth edition have been updated with new case law along with statutory and regulatory changes and provide the background to the English legal system before covering key topics such as contract law, tort, health and safety, land law, planning, landlord and tenant, dispute resolution and employment law.

Routledge
February 2026 : 416pp
Pb: 978-1-041-09596-5 : **£52.99**
Hb: 978-1-041-10849-8 : **£160**
eBook: 978-1-003-65710-1

* For full contents and more information, visit: www.routledge.com/9781041095965

Innovating Construction Law

Towards the Digital Age



Jim Mason

Innovating Construction Law: Towards the Digital Age draws together current and emerging technologies and examines how legal practice in the construction industry can respond to the challenges to its existing arrangements. This book is a readable and engaging guide for students and practitioners looking to learn more about construction law and its relationship with technology and for those that want to shape the future of the field.

Routledge
February 2021 : 248pp
Pb: 978-0-367-44352-8 : **£50.99**
Hb: 978-0-367-44349-8 : **£155**
eBook: 978-1-003-00924-5

* For full contents and more information, visit: www.routledge.com/9780367443528

10TH EDITION

Understanding JCT Standard Building Contracts



David Chappell

Series: Understanding Construction

This tenth edition of David Chappell's bestselling guide has been revised to reflect changes made in 2016 to payment provisions, and elsewhere. This remains the most concise guide available to the most commonly used JCT building contracts, including: Standard Building Contract with quantities, 2016 (SBC16), Intermediate Building Contract 2016 (IC16), Intermediate Building Contract with contractor's design 2016 (ICD16) and Minor Works Building Contract 2016 (MW11). Chappell avoids legal jargon but writes with authority and precision. Architects, quantity surveyors, contractors and students of these professions will find this a practical and affordable reference tool arranged by topic.

Routledge

September 2017 : 164pp

Pb: 978-1-138-08275-5 : **£41.99**

Hb: 978-1-138-08274-8 : **£170**

eBook: 978-1-315-11236-7

* For full contents and more information, visit: www.routledge.com/9781138082755

Successful Contract Administration

For Constructors and Design Professionals



Charles W. Cook Drexel University, USA

Contract administration is key to the overall success of construction projects, influencing cost, schedule, and quality throughout. Covering the three main types of contracts in use, and supported by a companion website, this textbook is the best way for Constructors and Design Professionals to ensure they understand best practice in contract administration.

Routledge

November 2014 : 466pp

Pb: 978-0-415-84422-2 : **£94.99**

Hb: 978-1-138-41429-7 : **£200**

eBook: 978-1-315-76579-2

* For full contents and more information, visit: www.routledge.com/9780415844222

6TH EDITION

Materials for Architects and Builders



Arthur Lyons , Arthur Lyons Formerly of De Montfort University, UK

Provides a clear and concise introduction to the broad range of materials used within the construction industry and covers the essential details of their manufacture, key physical properties, specification and uses. New edition covers new developments within the industry: greater multi-functionality of glass, self-healing concrete and the importance of fire in buildings and the response in the materials used by the industry. All the relevant standards have been updated and BIM (Building Information Modelling) is included where relevant. Essential reading for students of Architecture, Construction, Building Surveying, Project Management and Civil Engineering.

Routledge

September 2019 : 536pp

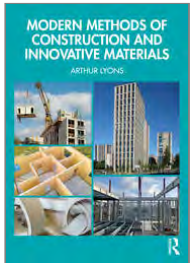
Pb: 978-0-815-36339-2 : **£58.99**

Hb: 978-0-815-36338-5 : **£155**

eBook: 978-1-351-10955-0

* For **full contents** and more information, visit: www.routledge.com/9780815363392

Modern Methods of Construction and Innovative Materials



Arthur Lyons

This new textbook has two main themes. The first is Modern Methods of Construction (MMC), the second is the wide range of developing products for the construction industry. This book is the only book combining these important elements of the future of the industry in an easy-to-read, full colour guide for students and new practitioners. It is essential reading for anyone studying and working in the built environment, be they architects, construction managers, surveyors, or engineers.

Routledge

April 2024 : 254pp

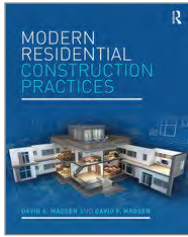
Pb: 978-1-032-41482-9 : **£51.99**

Hb: 978-1-032-41934-3 : **£175**

eBook: 978-1-003-36046-9

* For **full contents** and more information, visit: www.routledge.com/9781032414829

Modern Residential Construction Practices



David A. Madsen , David P. Madsen Madsen Designs,
USA

Provides easy-to-read, comprehensive and highly illustrated coverage of residential building construction practices that conform to industry standards in the United States and Canada. The book is organized in a format that is consistent with the process used to take residential construction projects from preliminary concept through all phases of residential building construction. An ideal textbook for college level construction programs, the book is packed with useful features such as problems, summaries, key notes, a detailed glossary and online materials for both students educators.

Routledge

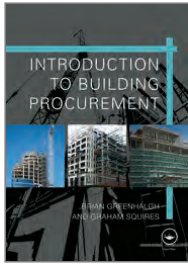
September 2017 : 546pp

Hb: 978-1-138-28489-0 : **£155**

eBook: 978-1-315-26922-1

* For full contents and more information, visit: www.routledge.com/9781138284890

Introduction to Building Procurement



Brian Greenhalgh Quantity Surveying consultant, UK,
Graham Squires Senior Lecturer in Planning; School of
 Geography, Earth and Environmental Sciences at the
 University of Birmingham

Introduction to Building Procurement familiarises the reader with the principles and methods of the procurement of buildings, starting at the most basic level. Starting with introductory chapters that explain the structure of the construction industry, the nature of clients, and the historical development of the procurement methods in use today, the book goes on to address core procurement tasks. It is the ideal introductory textbook for professionals and undergraduates studying quantity surveying, construction project management and construction commercial management.

Routledge

January 2011 : 272pp

Pb: 978-0-415-48216-5 : **£52.99**

Hb: 978-0-415-48215-8 : **£190**

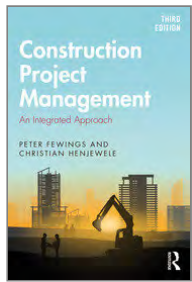
eBook: 978-0-203-88506-2

* For full contents and more information, visit: www.routledge.com/9780415482165

3RD EDITION

Construction Project Management

An Integrated Approach



Peter Fewings University of the West of England, UK,
Peter Fewings , Christian Henjeweile Anglia Ruskin University, UK

This book combines best practice in construction with the theories underpinning project management and presents a wealth of practical case studies – many new. It focuses on all construction disciplines who may manage projects. The book is uniquely valuable for those in the later years of undergraduate courses, specialist postgraduate courses in project management and for practitioners of all disciplines and clients who have experienced the frustration of the fragmentation of construction projects.

Routledge
 April 2019 : 524pp
 Pb: 978-0-815-35865-7 : **£39.99**
 Hb: 978-0-815-35864-0 : **£155**
 eBook: 978-1-351-12203-0

* For full contents and more information, visit: www.routledge.com/9780815358657

Digital Technologies for Engineering Construction Information Productivity



Fonbeyin Henry Abanda

This book goes beyond other digital construction books by examining how emerging digital construction technologies and other popular technologies developed by, for example, Microsoft, can be used in improving the productivity of construction information. The book discusses both the theory and practice through use case illustrations in integrated software environments and successfully blends applications and workflows of construction technologies with more common and non-industry specific software systems. This book is essential for students, academics, educators, construction professionals and construction software developers.

Routledge
 November 2025 : 244pp
 Pb: 978-1-032-75874-9 : **£52.99**
 Hb: 978-1-032-76038-4 : **£170**
 eBook: 978-1-003-47674-0

* For full contents and more information, visit: www.routledge.com/9781032758749

3RD EDITION

Construction Project Manager's Pocket Book



Duncan Cartlidge Construction Procurement Consultant, UK

Series: Routledge Pocket Books

This third edition continues to guide and educate readers on the broad range of essential skills required to be a successful construction project manager. The book introduces the generic skills required by any project manager, before tackling the core skills and activities of a construction project manager with direct reference to the RIBA Plan of Work and the OGC Gateway. The updates in this new edition take account of all regulatory and legislative changes, and also changing market conditions and working trends. This is the ideal concise reference that no project manager, construction manager, architect or quantity surveyor should be without.

Routledge
 July 2024 : 270pp
 Pb: 978-1-032-76135-0 : **£28.99**
 Hb: 978-1-032-77251-6 : **£155**
 eBook: 978-1-003-48208-6

* For full contents and more information, visit: www.routledge.com/9781032761350

Introduction to Construction Project Engineering



Giovanni C. Migliaccio University of Washington, USA,
Len Holm University of Washington, USA

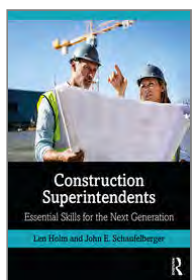
This textbook fills an important gap in the literature and prepares construction engineering and built environment students for their first experience of the job site. It integrates conceptual and hands-on knowledge to introduce students to the construction process and familiarise them with the procedures and activities they need to operate as a project engineer during their summer internship and immediately after graduation. It emphasises field tasks, case studies, questions and exercises from civil works and commercial building sectors. An ideal textbook for courses on Construction Engineering, Civil and Architectural Engineering and Construction Management degree programs.

Routledge
 March 2018 : 314pp
 Pb: 978-1-138-73658-0 : **£83.99**
 Hb: 978-1-138-73655-9 : **£150**
 eBook: 978-1-315-18581-1

* For full contents and more information, visit: www.routledge.com/9781138736580

Construction Superintendents

Essential Skills for the Next Generation



Len Holm University of Washington, USA, **John E. Schaufelberger** University of Washington, USA

This is the first college level textbook designed to prepare you to take on a site supervisor role on a complex jobsite. Using examples and case studies of cutting-edge jobsite practices, coverage includes the full spectrum of tasks and skills required from the pre-construction phase, through startup, operation and close out, plus advanced topics for those serious about leading the field. Essential for all on construction management and construction engineering programs, includes online resources, chapter summaries, review questions and exercises to aid both teaching learning.

Routledge
 October 2019 : 290pp
 Pb: 978-0-367-00246-6 : **£71.99**
 Hb: 978-0-367-00245-9 : **£160**
 eBook: 978-0-429-40057-5

* For full contents and more information, visit: www.routledge.com/9780367002466

Leadership, Ethics, and Project Execution

An Evidence-Based Project Success Model



F.H. (Bud) Griffiths New York University, New York,
Frederick B. Plummer University of Illinois, Champaign,
Francis X. DarConte New York University, New York

Leadership, Ethics, and Project Execution provides a masterclass in the project and people management skills that set apart the most accomplished design and construction professionals. Interactive exercises allow readers to take the role of junior project managers and other emerging professionals and reason through the ethical dilemmas surrounding building projects from the initial bid to completion. Chapters on stakeholder alignment, productivity, and project success ensure that aspiring leaders' business decisions are as economically sound as they are ethically correct.

Routledge
 November 2021 : 374pp
 Pb: 978-0-367-65425-2 : **£67.99**
 Hb: 978-0-367-65530-3 : **£185**
 eBook: 978-1-003-12994-3

* For full contents and more information, visit: www.routledge.com/9780367654252

2ND EDITION

Lean Project Delivery and Integrated Practices in Modern Construction



Lincoln H. Forbes Florida International University, Miami, USA, **Syed M. Ahmed** East Carolina University, USA

Lean Project Delivery and Integrated Practices in Modern Construction is the new and enhanced edition of Modern Construction by Lincoln H. Forbes and Syed M. Ahmed. This book provides a multi-faceted approach for applying lean methodologies to improve design and construction processes. It builds on the groundwork established by the first edition as a compendium of the latest research and thinking on lean and integrated construction practices. Recognizing the wide diversity in the landscape of projects, and encompassing private and public sector activity, buildings and infrastructure, the book offers a number of approaches to improving construction project management.

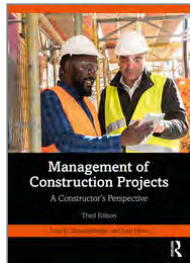
Routledge
April 2020 : 522pp
Hb: 978-1-138-31124-4 : **£87.99**
eBook: 978-0-429-45898-9

* For full contents and more information, visit: www.routledge.com/9781138311244

3RD EDITION

Management of Construction Projects

A Constructor's Perspective



John Schaufelberger , Len Holm University of Washington, USA

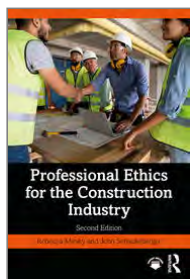
Unique among construction project management textbooks, Management of Construction Projects, 3rd edition, takes the constructor's perspective, carefully analyzing a complex, real-world construction case study from multiple angles to demonstrate the skills, knowledge, and techniques students require to become successful project managers. Popular as an undergraduate text and as a contractor resource, the book prepares upcoming construction project managers with everything they need to see a successful project through from start to finish.

Routledge
March 2024 : 296pp
Pb: 978-1-032-49596-5 : **£99.99**
Hb: 978-1-032-49598-9 : **£245**
eBook: 978-1-032-70131-8 : **£86.99**

* For full contents and more information, visit: www.routledge.com/9781032495965

2ND EDITION

Professional Ethics for the Construction Industry



Rebecca Mirsky , John E. Schaufelberger University of Washington, USA

Professional Ethics for the Construction Industry, 2nd Edition, empowers a new generation of built environment professionals to navigate the ethical challenges confronting them at every stage of a project, from the initial bid to its completion and beyond. Authored by veteran educators and industry professionals, this textbook introduces ethical dilemmas aspiring construction professionals will face on the job—and the critical thinking skills to reason their way out of them. Written to meet curriculum requirements for all levels of construction education, this book explores ethics specific to the construction industry, illustrated by detailed and realistic case studies.

Routledge
June 2022 : 132pp
Pb: 978-1-032-26811-8 : **£54.99**
Hb: 978-1-032-26812-5 : **£140**
eBook: 978-1-003-29002-5

* For full contents and more information, visit: www.routledge.com/9781032268118

Project Management Tools and Techniques

A Guide to Good Practice



Aidan Turner

This new textbook presents a unique approach to the teaching of PM by blending theory, application, and case studies. Each chapter presents a different tool or technique used by project managers, covering the what, how and why and illustrating the techniques with a case study. It allows students to apply the topics discussed directly to a work environment and covers project feasibility, lifecycle, scheduling, budgets, risk, complexity, leadership, handover and more. Suitable for use on a variety of global project management courses in disciplines across engineering, built environment and business. It is also a useful reference for newly established PMs looking for a handy toolkit.

Routledge
September 2025 : 222pp
Pb: 978-1-032-73917-5 : **£52.99**
Hb: 978-1-032-74751-4 : **£160**
eBook: 978-1-003-47074-8

* For full contents and more information, visit: www.routledge.com/9781032739175

The Secrets to Construction Business Success



Thomas C. Schleifer , Mounir El Asmar

The Secrets to Construction Business Success empowers construction professionals to defy the long odds threatening their survival. Drawing on the authors' more than eight decades of combined experience turning around failing firms, this manual provides a masterclass in structuring, managing, and futureproofing a construction business. Chapters on measuring and responding to dips in revenue equip executives to recognize and respond to the warning signs of financial distress while chapters on succession planning ensure that organizations survive their founders' departures.

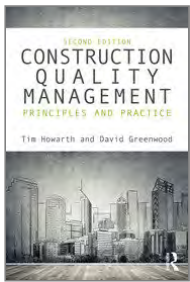
Routledge
December 2021 : 296pp
Pb: 978-1-032-13473-4 : **£67.99**
Hb: 978-1-032-13510-6 : **£170**
eBook: 978-1-003-22959-9

* For full contents and more information, visit: www.routledge.com/9781032134734

2ND EDITION

Construction Quality Management

Principles and Practice



Tim Howarth , David Greenwood Northumbria University, UK

This new edition provides a comprehensive evaluation of quality management systems and tools. Readers are supported by concise and clear explanations and with self-assessment questions. Practical case study examples show how various evaluative-based quality management systems and tools have been applied. A new chapter covers the influence of Building Information Modelling (BIM) on quality management and the text is essential reading for both undergraduate and postgraduate construction management or construction project management students. Also a valuable resource for practicing construction managers and project managers.

Routledge

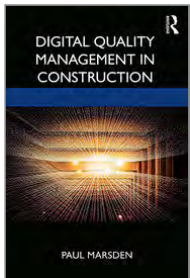
September 2017 : 248pp

Pb: 978-1-138-68011-1 : **£65.99**Hb: 978-1-138-68010-4 : **£175**

eBook: 978-1-315-56365-7

* For full contents and more information, visit: www.routledge.com/9781138680111

Digital Quality Management in Construction



Paul Marsden CQP MCQI, Dip Mgmt, Head of Quality at Horizon Nuclear Power, UK

This is the first "how to" book on harnessing disruptive technology in construction quality management. It examines how future Quality Managers and Engineers will develop digital capabilities in business intelligence platforms, artificial intelligence, block chains, drones, laser scanning, data trusts, 3D printing and many other types of technological advances in construction. Essential reading for quality managers, project managers and all professionals within the Architecture, Engineering and Construction industry (AEC). Students interested in new and disruptive technologies will also learn a great deal from reading this book.

Routledge

May 2019 : 274pp

Pb: 978-1-138-39082-9 : **£52.99**Hb: 978-1-138-39079-9 : **£140**

eBook: 978-0-429-42306-2

* For full contents and more information, visit: www.routledge.com/9781138390829

Quality Auditing in Construction Projects

A Handbook



Abdul Razzak Rumane

This book provides construction professionals, designers, contractors and quality auditors involved in construction projects with the auditing skills and processes required to improve construction quality and make their projects more competitive and economical. The processes within the book focus on auditing compliance to ISO, corporate quality management systems, project specific quality management systems, contract management, regulatory authorities' requirements, safety, and environmental considerations. It is an essential guide for construction and quality professionals, but also for students and academics interested in learning about quality auditing in construction projects.

Routledge

May 2023 : 600pp

Pb: 978-1-032-57024-2 : **£52.99**Hb: 978-0-815-38531-8 : **£170**

eBook: 978-1-351-20187-2

* For full contents and more information, visit: www.routledge.com/9781032570242

10TH EDITION

Building Services Handbook



Fred Hall, **Roger Greeno** Construction Consultant, UK

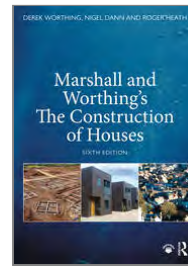
The tenth edition of Hall and Greeno's leading textbook has been reviewed and updated in relation to the latest building, wiring and water regulations, new technology, and new legislation. For this edition, new updates include: electric vehicle charging, overheating in buildings, waste water treatment, energy performance certification, mechanical ventilation, food waste recycling, electromagnetic lifts and biogas processing and much more. The clear illustrations and complementary references to industry Standards combine essential guidance with a resource base for further reading and development of specific topics.

Routledge
September 2023 : 800pp
Pb: 978-1-032-54837-1 : **£46.99**
Hb: 978-1-032-56304-6 : **£170**
eBook: 978-1-003-43489-4

* For full contents and more information, visit: www.routledge.com/9781032548371

6TH EDITION

Marshall and Worthing's The Construction of Houses



Duncan Marshall, **Derek Worthing**, **Nigel Dann**
University of the West of England, UK, **Roger Heath**
University of the West of England, UK

The 6th Edition of The Construction of Houses builds on the success of the previous five editions. The book provides a comprehensive introduction to the principles and processes of the construction of houses and their services. As such it is aimed at providing a broad understanding of domestic building construction for students as part of their academic studies and as a useful information source for practitioners. The existing chapters have all been updated and most of them expanded to take account of changes to dwelling house construction since the last edition and there are new chapters on 'Modern Methods of Construction' and 'Regulatory controls and building standards'.

Routledge
March 2021 : 566pp
Pb: 978-0-367-02758-2 : **£48.99**
Hb: 978-0-367-02756-8 : **£155**
eBook: 978-0-429-39782-0

* For full contents and more information, visit: www.routledge.com/9780367027582

13TH EDITION

Chudley and Greeno's Building Construction Handbook



Roy Chudley Formerly Guildford College of Technology, UK, **Roger Greeno** Construction Consultant, UK, **Karl Kovac** Sheffield Hallam University, UK

The 13th edition of Chudley and Greeno's Building Construction Handbook remains THE authoritative reference for all construction students and professionals. This new edition has been updated to reflect recent changes to the building regulations, as well as new material on modern methods of construction, greater emphasis on sustainability and health and safety. An easy-to-use resource for undergraduate and vocational students on a wide range of courses including NVQ and BTEC National, through to Higher National Certificate and Diploma, to Foundation and three-year Degree level.

Routledge
May 2024 : 728pp
Pb: 978-1-032-49288-9 : **£39.99**
Hb: 978-1-032-49290-2 : **£155**
eBook: 978-1-003-39299-6

* For full contents and more information, visit: www.routledge.com/9781032492889

6TH EDITION

Materials for Architects and Builders



Arthur Lyons, **Arthur Lyons** Formerly of De Montfort University, UK

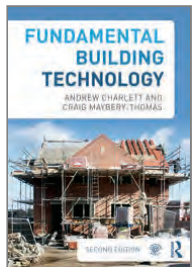
Provides a clear and concise introduction to the broad range of materials used within the construction industry and covers the essential details of their manufacture, key physical properties, specification and uses. New edition covers new developments within the industry: greater multi-functionality of glass, self-healing concrete and the importance of fire in buildings and the response in the materials used by the industry. All the relevant standards have been updated and BIM (Building Information Modelling) is included where relevant. Essential reading for students of Architecture, Construction, Building Surveying, Project Management and Civil Engineering.

Routledge
September 2019 : 536pp
Pb: 978-0-815-36339-2 : **£58.99**
Hb: 978-0-815-36338-5 : **£155**
eBook: 978-1-351-10955-0

* For full contents and more information, visit: www.routledge.com/9780815363392

2ND EDITION

Fundamental Building Technology



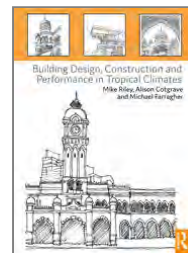
Andrew J. Charlett formerly of Nottingham Trent University, UK, **Craig Maybery-Thomas** Neath Port Talbot County Borough Council, UK

Introduces the technology, methods, and processes fundamental to building by following the construction of a typical low-rise house. The key elements of the house are tackled in the same order as they would be built in real-life, with self-study questions, detailed diagrams, and comments on sustainability throughout. This second edition also includes an introduction to the planning process, and the building regulations, as well as a companion site with resources for lecturers and students.

Routledge
January 2013 : 392pp
Pb: 978-0-415-69259-5 : **£52.99**
Hb: 978-0-415-69258-8 : **£190**
eBook: 978-0-203-15517-2

* For full contents and more information, visit: www.routledge.com/9780415692595

Building Design, Construction and Performance in Tropical Climates



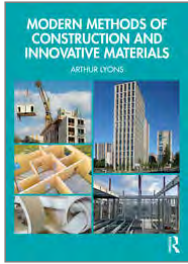
Edited by **Mike Riley** Liverpool John Moores University, UK, **Alison Cotgrave** Liverpool John Moores University, UK, **Michael Farragher** Liverpool John Moores University, UK

This text seeks to capture some of the key issues of technology and practice for built environment professionals in tropical regions. Each chapter incorporates reflective summaries and review tests and many chapters include case studies demonstrating how the principles discussed in the chapter can be applied to real life projects. The book is ideal as a course text for students of Architecture, Construction, Surveying and FM as well as providing a sound reference for practitioners working in these regions.

Routledge
September 2017 : 286pp
Pb: 978-1-138-20388-4 : **£54.99**
Hb: 978-1-138-20387-7 : **£190**
eBook: 978-1-315-47053-5

* For full contents and more information, visit: www.routledge.com/9781138203884

Modern Methods of Construction and Innovative Materials



Arthur Lyons

This new textbook has two main themes. The first is Modern Methods of Construction (MMC), the second is the wide range of developing products for the construction industry. This book is the only book combining these important elements of the future of the industry in an easy-to-read, full colour guide for students and new practitioners. It is essential reading for anyone studying and working in the built environment, be they architects, construction managers, surveyors, or engineers.

Routledge

April 2024 : 254pp

Pb: 978-1-032-41482-9 : **£51.99**

Hb: 978-1-032-41934-3 : **£175**

eBook: 978-1-003-36046-9

* For full contents and more information, visit: www.routledge.com/9781032414829

5TH EDITION

Construction Contracts

Law and Management



Will Hughes University of Reading, UK, **Ronan Champion** Champion Pearce, UK, **John Murdoch** University of Reading, UK

The fifth edition of this bestselling textbook has been thoroughly revised to provide the most up-to-date and comprehensive coverage of the legislation, administration and management of construction contracts. Includes the latest formats of JCT and FIDIC, as well as coverage of the NEC.

Routledge

April 2015 : 468pp

Pb: 978-0-415-65704-4 : **£59.99**Hb: 978-0-415-65705-1 : **£220**

eBook: 978-1-315-69521-1

* For full contents and more information, visit: www.routledge.com/9780415657044

Introduction to Construction Contract Management



Brian Greenhalgh Chartered Quantity Surveyor, UK

Drawing on his decades of experience managing construction projects around Europe and the Middle East, Brian Greenhalgh has produced a clear and practical step-by-step guide to contract management. With reference throughout to how work varies in different countries and cultures, this is the ideal book for anyone preparing to start a career in the increasingly global industry of construction management.

Routledge

August 2016 : 254pp

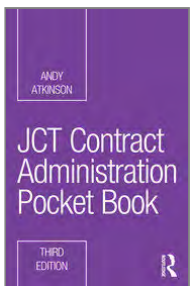
Pb: 978-1-138-84417-9 : **£57.99**Hb: 978-1-138-84414-8 : **£190**

eBook: 978-1-315-73058-5

* For full contents and more information, visit: www.routledge.com/9781138844179

3RD EDITION

JCT Contract Administration Pocket Book



Andy Atkinson London South Bank University

Series: Routledge Pocket Books

This book is quite simply about contract administration using the JCT contracts. The key feature of the third updated edition is the inclusion of a new chapter covering social responsibility and the JCT contracts, related to the impact of the Building Safety Act, CDM sustainability and value management initiatives. The book continues to be brief, readable and relevant to everyday practice. JCT contracts are administered by a variety of professionals including project managers, architects, engineers, quantity surveyors and construction managers.

Routledge

May 2026 : 262pp

Pb: 978-1-041-03499-5 : **£25.99**Hb: 978-1-041-04363-8 : **£140**

eBook: 978-1-003-62803-3

* For full contents and more information, visit: www.routledge.com/9781041034995

2ND EDITION

Corporate Real Estate Asset Management

Strategy and Implementation



Barry Haynes Sheffield Hallam University, UK, **Nick Nunnington** Sheffield Hallam University, UK, **Timothy Eccles** Nottingham Trent University, UK

The second edition of Corporate Real Estate Asset Management is fully up to date with the latest thought and practice on successful and efficient use of corporate office space. Written from an occupier's perspective, the book presents a 10 point CREAM model which offers advice on issues such as sustainability, workplace productivity, real estate performance measurement, change management and customer focus. In addition, new case studies provide real-life examples of how corporations in the UK, USA, Hong Kong, and Abu Dhabi actively manage their corporate real estate.

Routledge

May 2017 : 464pp

Pb: 978-1-138-91507-7 : **£54.99**Hb: 978-1-138-91506-0 : **£160**

eBook: 978-1-315-69044-5

* For full contents and more information, visit: www.routledge.com/9781138915077

3RD EDITION

Building Cost Planning for the Design Team



Jim Smith Bond University, USA, **D M Jagger**, **Peter Love**

Follows the building design cost planning process from the crucial inception stages, through all the design stages to the completion of the technical design, contract documentation and the tender. Refers to BIM, NRM1, and the RIBA Plan of Work to provide a template for good cost planning practice.

Routledge
February 2016 : 388pp
Pb: 978-1-138-90737-9 : **£65.99**
Hb: 978-1-138-41427-3 : **£200**
eBook: 978-1-315-69512-9

* For full contents and more information, visit: www.routledge.com/9781138907379

2ND EDITION

Construction Cost Management

Learning from Case Studies



Keith Potts University of Wolverhampton, UK, **Nii Ankrh**

Examines the key issues and best practice in the cost management of construction projects under traditional and new contract strategies. All stages within the life cycle of a project are considered from pre-contract to tendering to post-contract. Worked examples, legal cases and over 70 project case studies are used to illustrate the practical application of theory. Part 1: Introduction Part 2: Management of the Pre-contract Stage Part 3: Key Tools and Techniques Part 4: Procurement Strategies Part 5: Management of the Post-contract stage Part 6: Contracts and Case Studies

Routledge
January 2014 : 392pp
Pb: 978-0-415-62913-3 : **£52.99**
Hb: 978-0-415-62912-6 : **£200**
eBook: 978-0-203-75294-4

* For full contents and more information, visit: www.routledge.com/9780415629133

Continuous Cost Improvement in Construction

Theory and Practice



Temitope Seun Omotayo, **Udayangani Kulatunga**, **Bankole Awuzie**

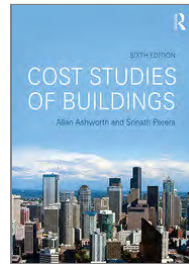
Continuous Cost Improvement in Construction: Theory and Practice aims to provide students and practitioners with an all-inclusive understanding of strategies for adopting continuous improvement in construction cost management. This book addressed continuous improvement practices from the perspective of cost management and applied case study examples to questions the readers' perspective of continuous cost improvement strategies in the project lifecycle. This book will be key reading for all advanced undergraduate and postgraduate courses in Construction Project Management, Building and Quantity Surveying, as well as Professionals in all aspects of the AEC industry.

Routledge
March 2022 : 288pp
Pb: 978-0-367-77458-5 : **£52.99**
Hb: 978-1-032-00844-8 : **£170**
eBook: 978-1-003-17607-7

* For full contents and more information, visit: www.routledge.com/9780367774585

6TH EDITION

Cost Studies of Buildings



Allan Ashworth University of Salford, UK, **Srinath Perera**

Thoroughly updated and revised throughout, this 6th edition includes extra detail on using the RICS New Rules of Measurement (NRM), and a forward-looking examination of the role of the quantity surveyor. New chapters on ICT in construction and carbon estimating will prepare the reader for the latest emerging aspects of the cost management function.

Routledge
July 2015 : 570pp
Pb: 978-1-138-01735-1 : **£71.99**
Hb: 978-1-138-38196-4 : **£155**
eBook: 978-1-315-70886-7

* For full contents and more information, visit: www.routledge.com/9781138017351

Construction 4.0

An Innovation Platform for the Built Environment



Edited by **Anil Sawhney, Michael Riley, Javier Irizarry**

The aim of this handbook is to describe the Construction 4.0 framework and consequently highlight the resultant processes and practices that allow us to plan, design, deliver and operate built environment assets more effectively and efficiently by focusing on the physical-to-digital transformation and then digital-to-physical transformation. This book is essential reading for all built environment and AEC stakeholders who need to get to grips with the technological transformations currently shaping their industry, research and teaching.

Routledge

October 2023 : 526pp

Pb: 978-1-032-65360-0 : **£52.99**

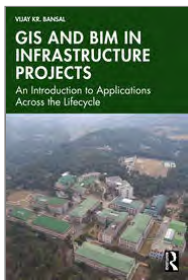
Hb: 978-0-367-02730-8 : **£180**

eBook: 978-0-429-39810-0

* For full contents and more information, visit: www.routledge.com/9781032653600

GIS and BIM in Infrastructure Projects

An Introduction to Applications Across the Lifecycle



Vijay Kr. Bansal

GIS and BIM in Infrastructure Projects: An Introduction to Applications Across the Lifecycle emphasizes that infrastructure lifestyle planning cannot be done in isolation but must consider surrounding facilities, utilities, neighbourhoods, and topography. It serves as a useful classroom resource and self-study manual, addressing the growing need for integrated BIM-GIS solutions in sustainable infrastructure development and lifecycle management.

Routledge

May 2026 : 250pp

Pb: 978-1-041-28196-2 : **£52.99**

Hb: 978-1-041-28418-5 : **£150**

* For full contents and more information, visit: www.routledge.com/9781041281962

Industrialized Construction in the Age of AI and Robotics



Xiao Li

Industrialized Construction in the Age of AI and Robotics explores the transformative convergence of artificial intelligence, robotics, and modern construction methods. This comprehensive textbook reveals how cutting-edge technologies are reshaping the construction industry, offering unprecedented improvements in efficiency, quality, and sustainability. Written for a diverse audience, this essential resource serves as both an academic textbook and a professional reference. Students in Civil Engineering, Industrial Engineering, Construction Engineering and Management, and AI & Robotics programs will find it invaluable for understanding the intersection of these disciplines.

Routledge

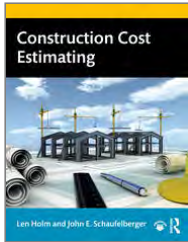
July 2026 : 402pp

Pb: 978-1-041-12926-4 : **£51.99**

Hb: 978-1-041-13902-7 : **£96.99**

* For full contents and more information, visit: www.routledge.com/9781041129264

Construction Cost Estimating



Len Holm , John E. Schaufelberger

Construction Cost Estimating equips a new generation of students and early-career professionals with the skills they need to bid successfully on projects. From developing bid strategies to submitting a completed bid, this innovative textbook introduces the fundamentals of construction estimating through a real life case study that unfolds across its 24 chapters. Construction Cost Estimating ensures that readers are familiar with the entire estimating process before they even set foot on the jobsite.

Routledge

April 2021 : 354pp

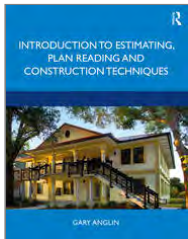
Pb: 978-0-367-90268-1 : **£71.99**

Hb: 978-0-367-90271-1 : **£160**

eBook: 978-1-003-02349-4

* For full contents and more information, visit: www.routledge.com/9780367902681

Introduction to Estimating, Plan Reading and Construction Techniques



Gary Anglin Construction firm owner, USA

This book is designed to teach the construction student plan reading, construction techniques and estimating. Using hundreds of plans, sketches and photos, the book builds case studies of the major construction divisions including concrete, masonry, carpentry, steel and more. Over forty cases are divided into sections following a specially designed format which helps foster confidence in plan reading, building methods, arithmetic, take offs and estimates. This textbook can be used to teach a variety of classes including: plan reading, construction techniques, and estimating 1 and 2 (takeoffs and pricing).

Routledge

November 2019 : 458pp

Hb: 978-0-367-20903-2 : **£130**

eBook: 978-0-429-26405-4

* For full contents and more information, visit: www.routledge.com/9780367209032

Continuous Cost Improvement in Construction

Theory and Practice



Temitope Seun Omotayo , Udayangani Kulatunga , Bankole Awuzie

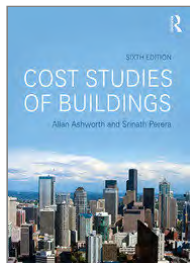
Continuous Cost Improvement in Construction: Theory and Practice aims to provide students and practitioners with an all-inclusive understanding of strategies for adopting continuous improvement in construction cost management. This book addressed continuous improvement practices from the perspective of cost management and applied case study examples to questions the readers' perspective of continuous cost improvement strategies in the project lifecycle. This book will be key reading for all advanced undergraduate and postgraduate courses in Construction Project Management, Building and Quantity Surveying, as well as Professionals in all aspects of the AEC industry.

Routledge
March 2022 : 288pp
Pb: 978-0-367-77458-5 : **£52.99**
Hb: 978-1-032-00844-8 : **£170**
eBook: 978-1-003-17607-7

* For full contents and more information, visit: www.routledge.com/9780367774585

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Cost Studies of Buildings



Allan Ashworth University of Salford, UK, **Srinath Perera**

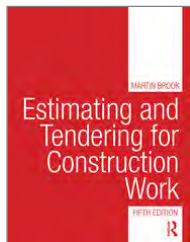
Thoroughly updated and revised throughout, this 6th edition includes extra detail on using the RICS New Rules of Measurement (NRM), and a forward-looking examination of the role of the quantity surveyor. New chapters on ICT in construction and carbon estimating will prepare the reader for the latest emerging aspects of the cost management function.

Routledge
July 2015 : 570pp
Pb: 978-1-138-01735-1 : **£71.99**
Hb: 978-1-138-38196-4 : **£155**
eBook: 978-1-315-70886-7

* For full contents and more information, visit: www.routledge.com/9781138017351

5TH EDITION

Estimating and Tendering for Construction Work



Martin Brook Carillion Plc, UK

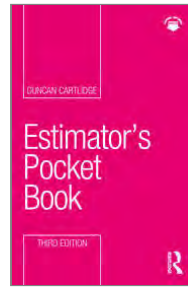
This 5th edition explains the job of the estimator through every stage, from early cost studies to the creation of budgets for successful tenders. It covers: new tendering and procurement methods; the move from basic estimating to cost-planning; the NRM, and how practicing estimators will implement the guidance; technologies such as BIM and estimating systems which can interact with 3D design models. Clearly-written and illustrated with examples, notes and technical documentation, this book is ideal for students on construction-related courses at HNC/HND and Degree levels. It is also an important source for associated professions and estimators at the outset of their careers.

Routledge
July 2016 : 356pp
Pb: 978-1-138-83806-2 : **£49.99**
Hb: 978-1-138-68716-5 : **£190**
eBook: 978-1-315-73469-9

* For full contents and more information, visit: www.routledge.com/9781138838062

3RD EDITION

Estimator's Pocket Book



Duncan Cartledge

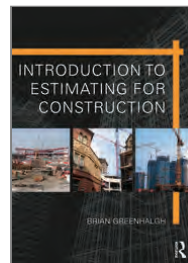
Series: Routledge Pocket Books

The Estimator's Pocket Book, Third Edition is a concise and practical reference covering the main approaches to pricing, as well as useful information such as how to process sub-contractor quotations, tender settlement and adjudication. It is fully up to date with NRM2 (2nd Edition) throughout and based on up-to-date wage rates, legislative changes and guidance notes. An essential source of reference for quantity surveyors, cost managers, project managers and anybody else with estimating responsibilities. The new edition is now accompanied by online spreadsheet examples, 'how to' videos and self-test questions.

Routledge
June 2024 : 312pp
Pb: 978-1-032-66152-0 : **£28.99**
Hb: 978-1-032-66155-1 : **£140**
eBook: 978-1-032-77334-6 : **£25.99**

* For full contents and more information, visit: www.routledge.com/9781032661520

Introduction to Estimating for Construction



Brian Greenhalgh Chartered Quantity Surveyor, UK

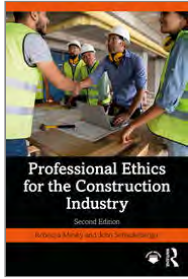
This is an easy to read introduction to building estimating for undergraduate students. It explains both the traditional techniques, and best practice in early contractor involvement situations, within the framework of modern construction procurement. Reference to international differences, along with discussion questions and chapter summaries make this an ideal first text for estimating students everywhere.

Routledge
January 2013 : 216pp
Pb: 978-0-415-50987-9 : **£52.99**
Hb: 978-0-415-50986-2 : **£190**
eBook: 978-0-203-08006-1

* For full contents and more information, visit: www.routledge.com/9780415509879

2ND EDITION

Professional Ethics for the Construction Industry



Rebecca Mirsky, John E. Schaufelberger University of Washington, USA

Professional Ethics for the Construction Industry, 2nd Edition, empowers a new generation of built environment professionals to navigate the ethical challenges confronting them at every stage of a project, from the initial bid to its completion and beyond. Authored by veteran educators and industry professionals, this textbook introduces ethical dilemmas aspiring construction professionals will face on the job—and the critical thinking skills to reason their way out of them. Written to meet curriculum requirements for all levels of construction education, this book explores ethics specific to the construction industry, illustrated by detailed and realistic case studies.

Routledge

June 2022 : 132pp

Pb: 978-1-032-26811-8 : **£54.99**

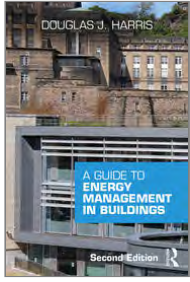
Hb: 978-1-032-26812-5 : **£140**

eBook: 978-1-003-29002-5

* For full contents and more information, visit: www.routledge.com/9781032268118

2ND EDITION

A Guide to Energy Management in Buildings



Douglas Harris

This new edition of A Guide to Energy Management in Buildings begins by asking why we need to control energy use in buildings and proceeds to discuss how the energy consumption of a building can be assessed or estimated through an energy audit. It then details a range of interventions to reduce energy use and outlines methods of assessing the cost effectiveness of such measures. This new edition includes coverage of cooling of buildings; fuel costs; smart meters and professional education. It should appeal to building managers and facilities managers and also to students of energy management modules in FE and HE courses.

Routledge

November 2016 : 170pp

Pb: 978-1-138-12069-3 : **£54.99**

Hb: 978-1-138-12068-6 : **£190**

eBook: 978-1-315-65157-6

* For full contents and more information, visit: www.routledge.com/9781138120693

Building and Facilities Maintenance Management

An Innovative Operational Approach



Jason Challenger Leeds City College of Further and Higher Education, UK, **Robert Challenger**

A new introductory textbook aimed at students who are studying building maintenance and asset management for the first time as part of their undergraduate or foundation course. Plugs a gap in the current curriculum and literature which must educate emerging professionals about the significance of the operational phase of a built asset's lifecycle, if the challenges of the day are to be met head on. The book will help readers enhance their awareness, understanding and breadth of knowledge of the issues around improving organisational maintenance management. Ideal for anyone studying facilities management, building surveying, construction management, real estate and property management.

Routledge

December 2024 : 426pp

Pb: 978-1-032-41554-3 : **£47.99**

Hb: 978-1-032-41587-1 : **£160**

eBook: 978-1-003-35880-0

* For full contents and more information, visit: www.routledge.com/9781032415543

Strategic and Sustainable Management of Workplace Facilities



Yewande Adewunmi-Abolarinwa

Introduces the reader to contemporary issues in the management of facilities in the African context and includes case studies from across the continent. It consolidates theory and practical information useful for managers across Africa and other developing countries. Covers a cross section of the key elements of facilities management, including customer relations management, emergency preparedness, development of a facilities strategy, sustainable buildings management and management of intelligent buildings in developing countries. Suitable for use by students on undergraduate and postgraduate degree programs, professional short courses and for practicing facilities managers.

Routledge

December 2024 : 312pp

Pb: 978-1-032-63872-0 : **£45.99**

Hb: 978-1-032-65667-0 : **£150**

eBook: 978-1-032-65666-3

* For full contents and more information, visit: www.routledge.com/9781032638720

Construction for a Regenerative Future



Urban Persson

This introductory textbook is written from a project manager's perspective including considerations of circular economy throughout the construction process focusing on a regenerative or restorative outcome. The book examines the importance of the type and purpose of a building, circularity and de-construction, the site, the client and its organisation, stakeholder considerations, the project organisation, the procurement of consultants and contractors, project performance during design and construction, project hand-over to the client, and the building's operation and maintenance.

Routledge

December 2022 : 256pp

Pb: 978-1-032-00365-8 : **£48.99**

Hb: 978-1-032-01210-0 : **£155**

eBook: 978-1-003-17770-8

* For full contents and more information, visit: www.routledge.com/9781032003658

2ND EDITION

Sustainable Buildings and Infrastructure

Paths to the Future



Annie R. Pearce Virginia Tech, USA, **Yong Han Ahn** Hanyang University, South Korea, **HanmiGlobal Co, Ltd**

The second edition of Sustainable Buildings and Infrastructure continues to provide students with an introduction to the principles and practices of sustainability as they apply to the construction sector, including both buildings and infrastructure systems. As a textbook, it is aimed at students taking courses in construction management and the built environment, but it is also designed to be a useful reference for practitioners involved in implementing sustainability in their projects or firms. Case studies, best practices, and highlights of cutting edge research are included throughout, making the book both a core reference and a practical guide.

Routledge

December 2017 : 648pp

Pb: 978-1-138-67225-3 : **£67.99**

Hb: 978-1-138-67223-9 : **£155**

eBook: 978-1-315-56264-3

* For full contents and more information, visit: www.routledge.com/9781138672253

2ND EDITION

Sustainable Construction



Sandy Halliday

This 2nd edition provides a masterclass on the principles and techniques involved in the design and delivery of practical, affordable, high quality sustainable buildings and places. It presents precedents, theory, concepts and principles alongside 120 wide ranging case studies that highlight current best practice and encourage implementation. Topics in the book include: the history of ideas in the field, policy, sustainable materials, cost, appraisal techniques, environmental design, energy, water, lifecycle issues, construction process issues, and urban ecology. An ideal primer to courses in Architecture, Construction, Engineering, Project Management, Landscape, Urbanism and Development.

Routledge

December 2018 : 478pp

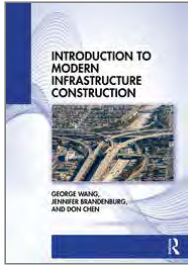
Pb: 978-1-138-20028-9 : **£52.99**

Hb: 978-1-138-20025-8 : **£185**

eBook: 978-1-315-51481-9

* For full contents and more information, visit: www.routledge.com/9781138200289

Introduction to Modern Infrastructure Construction



George Wang , Don Chen , Jennifer Brandenburg

Introducing the basics of infrastructure design and construction—from a construction manager's point of view—this textbook offers an all-in-one primer on heavy civil construction. From the initial bid to a megaproject's final stages, this accessible, jargon-free guide to the construction manager's role on a heavy civil construction jobsite is suitable for graduate and advanced undergraduate students as well as emerging professionals in the field. An ideal resource for a single semester class or a longer course of study, *Introduction to Modern Infrastructure Construction* readies construction students for success on a megaproject jobsite.

Routledge

December 2024 : 360pp

Pb: 978-1-032-05159-8 : **£62.99**

Hb: 978-1-032-05488-9 : **£115**

eBook: 978-1-003-19776-8

* For full contents and more information, visit: www.routledge.com/9781032051598

Behavioural Science and Housing Decision Making

A Case Study Approach



Helen Bao University of Cambridge, UK

This book takes a behavioural approach to examine six important housing questions: tenure decision making, neighbourhood decision making, housing prices, housing cycles, housing wealth effects, and housing satisfaction. The first part of the book introduces the questions and provides a behavioural science toolbox before the second part adopts a real-world case study approach with cases from the UK, USA, Hong Kong, and China. This book is ideal supplementary reading on a variety of courses such as housing studies, economics, real estate, research methods and for students and academics who are interested in the application of behavioural science in housing decisions.

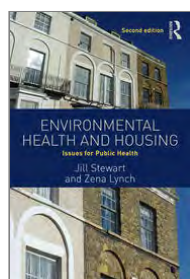
Routledge
February 2020 : 166pp
Pb: 978-0-367-13576-8 : **£46.99**
Hb: 978-0-367-13575-1 : **£155**
eBook: 978-0-429-02725-3

* For full contents and more information, visit: www.routledge.com/9780367135768

2ND EDITION

Environmental Health and Housing

Issues for Public Health



Jill Stewart Middlesex University, UK, **Zena Lynch**
University of Birmingham, UK

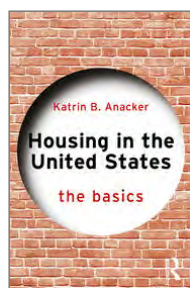
Provides the ideal introduction to policy and strategy in housing, housing and inequality, housing inclusion and the public health agenda. Renewed focus on evidence based housing and health issues. Includes more case studies, ideas for reflective practice, and a greater emphasis on wider living environments and new legislation. Essential reading for students studying health and housing topics, this book is also a useful reference for Environmental Health Officers and associated professions, including social workers, health visitors and building surveyors who need to understand the complexities of housing enforcement, policy and legislation and the relationships between housing and health.

Routledge
June 2018 : 292pp
Pb: 978-1-138-09012-5 : **£41.99**
Hb: 978-1-138-08971-6 : **£190**
eBook: 978-1-315-10907-7

* For full contents and more information, visit: www.routledge.com/9781138090125

Housing in the United States

The Basics



Katrin B. Anacker George Mason University, USA

Series: *The Basics*

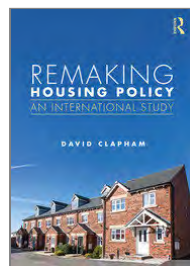
Housing matters to people, be they owner, renter, housing provider, homeless individual, housing professional, or policymaker. Housing in the United States: The Basics offers an accessible introduction to key concepts and issues in housing—and a concise overview of the programs that affect housing choices, affordability, and access in the United States today. Written in a clear and engaging style, this guide allows readers to quickly grasp the complex range of policies, programs, and factors that shape the housing landscape.

Routledge
April 2024 : 180pp
Pb: 978-1-032-65571-0 : **£23.99**
Hb: 978-1-032-65763-9 : **£125**
eBook: 978-1-032-65764-6

* For full contents and more information, visit: www.routledge.com/9781032655710

Remaking Housing Policy

An International Study



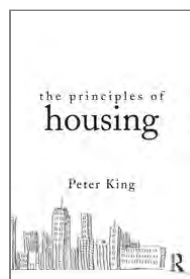
David Clapham University of Reading, UK

Remaking Housing Policy is the first introductory housing policy textbook to be designed for use by students all around the world. Starting from first principles, readers are guided through the objectives behind government housing policy interventions, the tools and mechanisms deployed and the outcomes of the policy decisions. A range of international case studies from Europe, Asia, Africa and the Americas illustrate the book's general principles and demonstrate how different regimes influence policy differently. This innovative international textbook will be suitable for housing students and those on related courses across geography, planning, property and urban studies.

Routledge
July 2018 : 234pp
Pb: 978-1-138-19395-6 : **£48.99**
Hb: 978-1-138-19393-2 : **£140**
eBook: 978-1-315-63908-6

* For full contents and more information, visit: www.routledge.com/9781138193956

The Principles of Housing



Peter King De Montfort University, UK

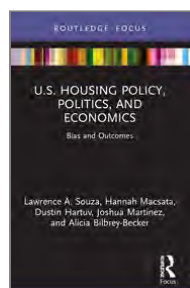
Principles of Housing is an engaging and discursive introduction to the key topics within housing studies. Whereas many books get bogged down in country specific detail, this book argues that the fundamental concepts of what we call housing are relatively stable and unchanging. Each short chapter is designed to be a starting point for a wider conversation, with discussion questions and international case studies helping students to think about how general principles would apply to their own surroundings. Principles of Housing succeeds in being accessible and engaging without shying away from the complexities of housing issues. It will be invaluable to students on housing related courses.

Routledge
November 2015 : 200pp
Pb: 978-1-138-93942-4 : **£52.99**
Hb: 978-1-138-93941-7 : **£155**
eBook: 978-1-315-67498-8

* For full contents and more information, visit: www.routledge.com/9781138939424

U.S. Housing Policy, Politics, and Economics

Bias and Outcomes



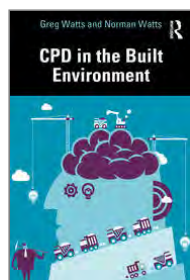
Lawrence Souza, **Hannah Macsata**, **Dustin Hartuv**,
Joshua Martinez, **Alicia Bilbrey-Becker**

The stirrings of reform or more of the same? U.S. Housing Policy, Politics, and Economics shares a stark and urgent message. With a new president in the White House and the economy emerging from its peak pandemic lows, the time is right for transformative federal housing legislation—but only if Congress can transcend partisan divides. Drawing on nearly a century of legislative and policy data, this briefing for scholars and professionals quantifies the effects of Democratic or Republican control of the executive and legislative branches on housing prices and policies nationwide.

Routledge
September 2025 : 100pp
Pb: 978-1-032-12176-5 : **£23.99**
Hb: 978-1-032-11483-5 : **£54.99**
eBook: 978-1-003-22343-6

* For full contents and more information, visit: www.routledge.com/9781032121765

CPD in the Built Environment



Greg Watts, Norman Watts

The aim of this book is to provide a single source of information to support Continuing Professional Development (CPD) in the Built Environment sector. The book is designed to help all current and future Built Environment professionals manage their own CPD as well as managing the CPD of others. This includes helping undergraduate and post graduate students, as well as current Built Environment professionals of all levels and disciplines who wish to enhance their careers through personal and professional development.

Routledge

April 2021 : 182pp

Pb: 978-0-367-37215-6 : **£44.99**

Hb: 978-0-367-37214-9 : **£140**

eBook: 978-0-429-35306-2

* For full contents and more information, visit: www.routledge.com/9780367372156

How to Become a Chartered Surveyor



Jen Lemen

How to Become a Chartered Surveyor outlines potential pathways and practice areas within the profession and includes the breadth and depth of surveying, from commercial, residential and project management, to geomatics and quantity surveying. This book will help candidates to decode and understand the RICS guidance, plan their career and be successful in their journey to become a Chartered Surveyor. It will also be of relevance to academic institutions, employers, school leavers, apprentices, senior professionals, APC Counsellors/Supervisors and careers advisors.

Routledge

August 2021 : 220pp

Pb: 978-0-367-74219-5 : **£25.99**

Hb: 978-0-367-74227-0 : **£155**

eBook: 978-1-003-15667-3

* For full contents and more information, visit: www.routledge.com/9780367742195

Mandatory Competencies

APC Essentials



Jen Lemen

Series: APC Essentials

This is the first book in a new series designed to cover what any RICS APC (and AssocRICS) candidate needs to know about the RICS mandatory competencies. Practical and concise, with bullet point checklists and real-life examples and diagrams, this handy guide is relevant to candidates on all APC pathways, including Commercial Real Estate, Residential, Valuation, Quantity Surveying and Construction, Planning and Development, Building Surveying, Land and Resources. It will also be a handy reference for qualified surveyors and property professionals looking to refresh their professional practice.

Routledge

April 2024 : 210pp

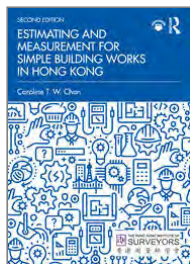
Pb: 978-1-032-44862-6 : **£20.99**

Hb: 978-1-032-56778-5 : **£120**

eBook: 978-1-003-43711-6

* For full contents and more information, visit: www.routledge.com/9781032448626

Estimating and Measurement for Simple Building Works in Hong Kong



Caroline T. W. Chan

This book is an introductory text on building measurement and estimating for simple buildings in Hong Kong. This second edition updates the contents in line with the HKSM4 Rev 2018 and incorporates the latest industry developments such as BIM. It is essential reading for Hong Kong construction and surveying students, international Quantity Surveyors working in the local area and those wanting international examples of QS practice.

Routledge

December 2020 : 384pp

Pb: 978-0-367-86232-9 : **£48.99**

Hb: 978-0-367-86236-7 : **£155**

eBook: 978-1-003-01783-7

* For full contents and more information, visit: www.routledge.com/9780367862329

Infrastructure Development and Construction Management



J. C. Edison

This is a comprehensive book on 'Infrastructure Development and Construction Management'. It covers infrastructure development, construction industry in India, financial analysis of real estate industry in India, economic analysis of projects, tendering and bidding, contracts and contract management, FIDIC conditions of contract, construction disputes and claims, arbitration, conciliation and dispute resolution, international construction project exports and identifying, analysing and managing construction project risk. This is an essential book for students of construction management, construction professionals, academicians and researchers.

Routledge

October 2020 : 318pp

Pb: 978-0-367-51892-9 : **£41.99**

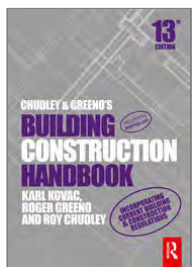
Hb: 978-0-367-51894-3 : **£155**

eBook: 978-1-003-05562-4

* For full contents and more information, visit: www.routledge.com/9780367518929

13TH EDITION

Chudley and Greeno's Building Construction Handbook



Roy Chudley Formerly Guildford College of Technology, UK, **Roger Greeno** Construction Consultant, UK, **Karl Kovac** Sheffield Hallam University, UK

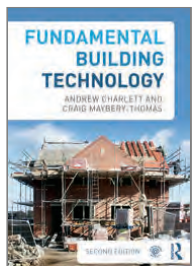
The 13th edition of Chudley and Greeno's Building Construction Handbook remains THE authoritative reference for all construction students and professionals. This new edition has been updated to reflect recent changes to the building regulations, as well as new material on modern methods of construction, greater emphasis on sustainability and health and safety. An easy-to-use resource for undergraduate and vocational students on a wide range of courses including NVQ and BTEC National, through to Higher National Certificate and Diploma, to Foundation and three-year Degree level.

Routledge
May 2024 : 728pp
Pb: 978-1-032-49288-9 : **£39.99**
Hb: 978-1-032-49290-2 : **£155**
eBook: 978-1-003-39299-6

* For full contents and more information, visit: www.routledge.com/9781032492889

2ND EDITION

Fundamental Building Technology



Andrew J. Charlett formerly of Nottingham Trent University, UK, **Craig Maybery-Thomas** Neath Port Talbot County Borough Council, UK

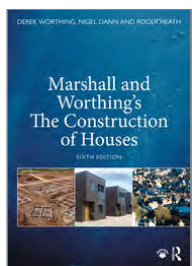
Introduces the technology, methods, and processes fundamental to building by following the construction of a typical low-rise house. The key elements of the house are tackled in the same order as they would be built in real-life, with self-study questions, detailed diagrams, and comments on sustainability throughout. This second edition also includes an introduction to the planning process, and the building regulations, as well as a companion site with resources for lecturers and students.

Routledge
January 2013 : 392pp
Pb: 978-0-415-69259-5 : **£52.99**
Hb: 978-0-415-69258-8 : **£190**
eBook: 978-0-203-15517-2

* For full contents and more information, visit: www.routledge.com/9780415692595

6TH EDITION

Marshall and Worthing's The Construction of Houses



Duncan Marshall, **Derek Worthing**, **Nigel Dann** University of the West of England, UK, **Roger Heath** University of the West of England, UK

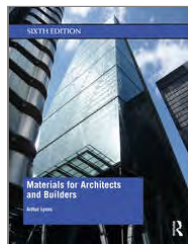
The 6th Edition of The Construction of Houses builds on the success of the previous five editions. The book provides a comprehensive introduction to the principles and processes of the construction of houses and their services. As such it is aimed at providing a broad understanding of domestic building construction for students as part of their academic studies and as a useful information source for practitioners. The existing chapters have all been updated and most of them expanded to take account of changes to dwelling house construction since the last edition and there are new chapters on 'Modern Methods of Construction' and 'Regulatory controls and building standards'.

Routledge
March 2021 : 566pp
Pb: 978-0-367-02758-2 : **£48.99**
Hb: 978-0-367-02756-8 : **£155**
eBook: 978-0-429-39782-0

* For full contents and more information, visit: www.routledge.com/9780367027582

6TH EDITION

Materials for Architects and Builders



Arthur Lyons, **Arthur Lyons** Formerly of De Montfort University, UK

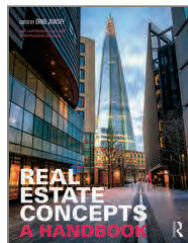
Provides a clear and concise introduction to the broad range of materials used within the construction industry and covers the essential details of their manufacture, key physical properties, specification and uses. New edition covers new developments within the industry: greater multi-functionality of glass, self-healing concrete and the importance of fire in buildings and the response in the materials used by the industry. All the relevant standards have been updated and BIM (Building Information Modelling) is included where relevant. Essential reading for students of Architecture, Construction, Building Surveying, Project Management and Civil Engineering.

Routledge
September 2019 : 536pp
Pb: 978-0-815-36339-2 : **£58.99**
Hb: 978-0-815-36338-5 : **£155**
eBook: 978-1-351-10955-0

* For full contents and more information, visit: www.routledge.com/9780815363392

Real Estate Concepts

A Handbook



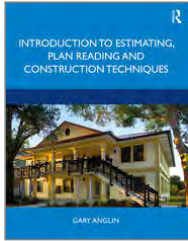
Edited by **Ernie Jowsey**

The essential reference tool for all real estate, property, planning and construction students. Real Estate Concepts provides built environment students with an easy to use guide to over 250 essential concepts they need to understand in order to succeed in their university courses and future professional careers. Key concepts are arranged, defined and explained by experts in the field to provide the student with a quick and reliable reference throughout their university studies. The subjects are conveniently divided to reflect the key modules studied in most property, real estate, planning and construction courses.

Routledge
July 2014 : 520pp
Pb: 978-0-415-85742-0 : **£52.99**
Hb: 978-0-415-85741-3 : **£170**
eBook: 978-0-203-79764-8

* For full contents and more information, visit: www.routledge.com/9780415857420

Introduction to Estimating, Plan Reading and Construction Techniques



Gary Anglin Construction firm owner, USA

This book is designed to teach the construction student plan reading, construction techniques and estimating. Using hundreds of plans, sketches and photos, the book builds case studies of the major construction divisions including concrete, masonry, carpentry, steel and more. Over forty cases are divided into sections following a specially designed format which helps foster confidence in plan reading, building methods, arithmetic, take offs and estimates. This textbook can be used to teach a variety of classes including: plan reading, construction techniques, and estimating 1 and 2 (takeoffs and pricing).

Routledge

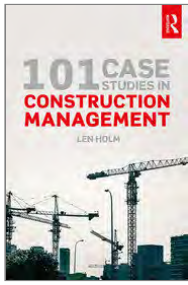
November 2019 : 458pp

Hb: 978-0-367-20903-2 : **£130**

eBook: 978-0-429-26405-4

* For full contents and more information, visit: www.routledge.com/9780367209032

101 Case Studies in Construction Management



Len Holm University of Washington, USA

Includes case studies from real jobsites that cover: organisation, procurement, estimating, scheduling, subcontractors, communications, quality and cost control, change orders, claims and disputes, safety, close outs, BIM, sustainability and Lean. Designed to test the reader's independent and critical thinking skills to develop their real world problem solving ability. The cases are ideal for use in the classroom or flipped classroom, for individual or group exercises, to encourage research, writing and presenting skills. Such a broad and useful selection of cases studies cannot be found anywhere else. Solutions available through the publisher's website.

Routledge
September 2018 : 178pp
Pb: 978-0-815-36198-5 : **£31.99**
Hb: 978-0-815-36197-8 : **£155**
eBook: 978-1-351-11363-2

* For full contents and more information, visit: www.routledge.com/9780815361985

Construction Company Management



Abid Hasan , Asheem Shrestha , Kumar Neeraj Jha

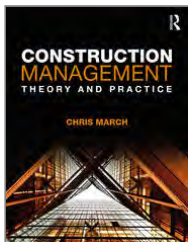
This book will give readers a detailed understanding of the critical aspects of running a successful construction company in today's complex regulatory, economic, and social environment. The lifecycle approach will introduce different dimensions of construction company management, including starting up and managing a construction firm successfully. The topics covered reflect current business practices in the industry relevant to international contexts with the help of case studies from different regions of the world. The book serves both students and those who teach construction management courses. Practitioners will also find the practices discussed in the book valuable.

Routledge
September 2024 : 284pp
Pb: 978-1-032-11956-4 : **£49.99**
Hb: 978-1-032-12112-3 : **£165**
eBook: 978-1-003-22309-2

* For full contents and more information, visit: www.routledge.com/9781032119564

Construction Management

Theory and Practice



Chris March formerly Universities of Salford and Coventry, UK

Construction Management is a new comprehensive undergraduate textbook for budding construction managers. The range of coverage makes the book essential reading for students studying management courses in all construction related disciplines and ideal reading for those with non-cognate degrees studying construction management masters courses, giving them a broad base of understanding about the industry. The book looks at the principles of management theory; those who play a part in the industry; takes the student through the financing of a new project, during its construction and post contract; the operational management of the project; and looks at the way companies' manage their business.

Routledge
March 2017 : 478pp
Pb: 978-1-138-69447-7 : **£52.99**
Hb: 978-1-138-69445-3 : **£190**
eBook: 978-1-315-52817-5

* For full contents and more information, visit: www.routledge.com/9781138694477

3RD EDITION

Construction Project Manager's Pocket Book



Duncan Cartledge Construction Procurement Consultant, UK

Series: *Routledge Pocket Books*

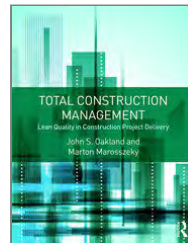
This third edition continues to guide and educate readers on the broad range of essential skills required to be a successful construction project manager. The book introduces the generic skills required by any project manager, before tackling the core skills and activities of a construction project manager with direct reference to the RIBA Plan of Work and the OGC Gateway. The updates in this new edition take account of all regulatory and legislative changes, and also changing market conditions and working trends. This is the ideal concise reference that no project manager, construction manager, architect or quantity surveyor should be without.

Routledge
July 2024 : 270pp
Pb: 978-1-032-76135-0 : **£28.99**
Hb: 978-1-032-77251-6 : **£155**
eBook: 978-1-003-48208-6

* For full contents and more information, visit: www.routledge.com/9781032761350

Total Construction Management

Lean Quality in Construction Project Delivery



John S. Oakland , Marton Marosszeky

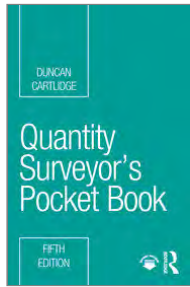
Starting by introducing the language of total quality, lean, and operational excellence, this book takes the reader right up to the latest industry practice in this sector, and demonstrates the best way to manage change. Written by two of the world's leading experts, Total Construction Management offers a clearly structured introduction to the most important management concepts and practices used in the global construction industry today. This authoritative book covers issues such as BIM, institutional waste, and construction safety, all explained with international case studies. It is a perfect guide for construction managers and ideal for those preparing to enter the industry.

Routledge
February 2017 : 634pp
Pb: 978-1-138-90854-3 : **£75.99**
Hb: 978-1-138-90853-6 : **£200**
eBook: 978-1-315-69435-1

* For full contents and more information, visit: www.routledge.com/9781138908543

5TH EDITION

Quantity Surveyor's Pocket Book



Duncan Cartlidge Construction Procurement Consultant, UK

Series: Routledge Pocket Books

The fifth edition of the Quantity Surveyor's Pocket Book remains a must-have guide for students and qualified practitioners. Its focused coverage of the data, techniques and skills essential to the quantity surveying role makes it an invaluable companion for everything from initial cost advice to the final account stage. This text includes recommended formats for cost plans, developer's budgets, financial reports, financial statements and final accounts. This is the ideal concise reference for quantity surveyors, project and commercial managers, and students of any of the above.

Routledge

July 2026 : 358pp

Pb: 978-1-041-14869-2 : **£25.99**

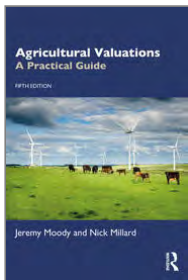
Hb: 978-1-041-15837-0 : **£96.99**

* For full contents and more information, visit: www.routledge.com/9781041148692

5TH EDITION

Agricultural Valuations

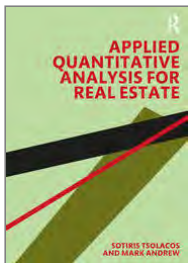
A Practical Guide

**Jeremy Moody, Nick Millard**

Agricultural Valuations: A Practical Guide has long been the standard text for students and professionals working on agricultural valuations. In this fifth edition, Gwyn Williams' original text is taken on by Jeremy Moody and Nick Millard, renowned experts in the field, bringing the book right up to date to reflect recent changes in the rural economy. Clear and accessible to students and professionals alike, readers will find Agricultural Valuations an invaluable guide to best practice.

Routledge
February 2021 : 516pp
Pb: 978-1-138-67805-7 : **£51.99**
Hb: 978-1-138-67804-0 : **£170**
eBook: 978-1-315-55916-2

* For full contents and more information, visit: www.routledge.com/9781138678057

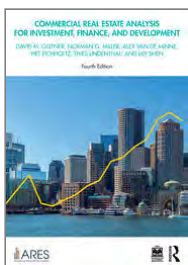
Applied Quantitative Analysis for Real Estate**Sotiris Tsolacos** University of Reading, UK, **Mark Andrew** Cass Business School, UK

This book presents an easy-to-read guide to applying quantitative analysis in real estate aimed at non-cognate undergraduate and Masters students, as well as meeting the requirements of modern professional practice. Both undergraduate and Masters level students, as well as real estate analysts in the professions will find this book to be essential reading.

Routledge
September 2020 : 326pp
Pb: 978-1-138-56133-5 : **£58.99**
Hb: 978-1-138-56132-8 : **£125**
eBook: 978-0-203-71087-6

* For full contents and more information, visit: www.routledge.com/9781138561335

4TH EDITION

Commercial Real Estate Analysis for Investment, Finance, and Development**David M. Geltner, Norman G. Miller, Alex Van De Minne, Piet Eichholtz, Thies Lindenthal, Lily Shen**

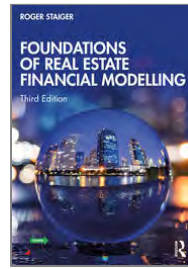
Series: *The American Real Estate Society (ARES) Real Estate Thought Leadership Collection*

Commercial Real Estate Analysis for Investment, Finance and Development, a fully revised fourth edition of the authors' leading textbook, presents the foundations of real estate investment analysis with the rigor of general finance and economics. This book introduces the essential building blocks of the field: market assumptions, valuation, financial analysis, and development. Drawing from extensive academic and industry experience, the authors approach the investment analysis process using a combination of theory and practical tools in a discussion tailored to advanced students.

Routledge
January 2026 : 440pp
Pb: 978-1-041-07639-1 : **£74.99**
Hb: 978-1-041-08119-7 : **£130**
eBook: 978-1-003-64383-8

* For full contents and more information, visit: www.routledge.com/9781041076391

3RD EDITION

Foundations of Real Estate Financial Modelling**Roger Staiger** Georgetown University, USA

NAMED ONE OF THE BEST COMMERCIAL REAL ESTATE BOOKS BY THE MOTLEY FOOL "Staiger gives us the technical tools needed to build robust pro forma modeling around our real estate assets." –MillionAcres An ideal companion in the classroom and the boardroom, this new edition of Foundations of Real Estate Financial Modeling will make even novices the "...experts in the room on [their] chosen asset class" (MillionAcres). This complete update and revision offers a step-by-step introduction to building and understanding the models underlying investments from single family rentals to entire development projects.

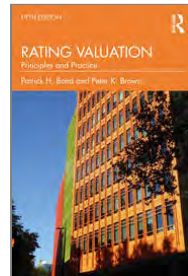
Routledge
October 2023 : 562pp
Pb: 978-1-032-45459-7 : **£81.99**
Hb: 978-1-032-45810-6 : **£190**
eBook: 978-1-032-45948-6 : **£71.99**

* For full contents and more information, visit: www.routledge.com/9781032454597

5TH EDITION

Rating Valuation

Principles and Practice

**Patrick H. Bond** Valuation Office Agency, UK, **Peter K. Brown** Liverpool John Moores University, UK

Rating Valuation: Principles and Practice has long been the standard go-to guide for both students studying rating valuation and practitioners needing a comprehensive reference book covering rating law, valuation and, importantly, practice. This fifth edition brings the reader up to date with the changes for the 2023 Rating Revaluation and developments in case law, as well as highlights the differences between the law in England and Wales and Northern Ireland. Whether you are studying to pass your APC, or want an overview of the changes taken in by the latest revaluation, this book will give you all you need to understand rating valuation.

Routledge
December 2023 : 528pp
Pb: 978-1-032-27828-5 : **£65.99**
Hb: 978-1-032-28552-8 : **£145**
eBook: 978-1-003-29736-9

* For full contents and more information, visit: www.routledge.com/9781032278285

Real Estate Financial Modelling in Excel**Maria Wiedner**

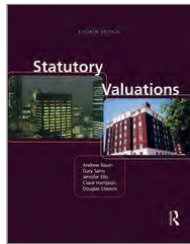
Real Estate Financial Modelling in Excel will help current finance and real estate students, as well as practitioners, to harness the power of Microsoft Excel in the context of real estate investments and explain in an easy-to-follow manual style how to create financial models that will predict financial returns and the risks related to them. This book will address the needs of busy real estate professionals and students in the final year of a real estate bachelor's degree or master's degree, who want to apply the theories of finance and investment into practice and build models to help make decisions regarding acquisitions, disposals, and management of real estate assets.

Routledge
December 2024 : 242pp
Pb: 978-1-032-54400-7 : **£52.99**
Hb: 978-1-032-54443-4 : **£140**
eBook: 978-1-003-42489-5

* For full contents and more information, visit: www.routledge.com/9781032544007

4TH EDITION

Statutory Valuations



Andrew Baum University of Oxford, UK, **Gary Sams** ,
Jennifer Ellis , **Claire Hampson** , **Douglas Stevens**

Statutory Valuations is the leading UK text dealing with the impact of legislation and case law upon property valuation. The book provides a comprehensive analysis of the law and valuation, recommends approaches to valuation problems and presents clear and concise interpretations of the legal framework behind these approaches. It includes worked examples of valuations with tables of cases and statutes designed for both students and practitioners.

Estates Gazette

October 2007 : 374pp

Pb: 978-0-728-20504-8 : **£78.99**

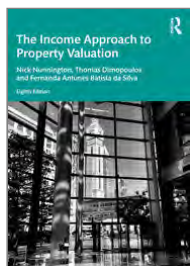
Hb: 978-1-138-46146-8 : **£200**

eBook: 978-1-315-04070-7

* For full contents and more information, visit: www.routledge.com/9780728205048

8TH EDITION

The Income Approach to Property Valuation



Nick Nunnington Nottingham Trent University, UK,
Thomas Dimopoulos , **Fernanda Antunes Batista da Silva**

The 8th edition of the longstanding and reputable textbook The Income Approach to Property Valuation elevates its practicality, broadens its international appeal, and cements its market leading status by incorporating the latest advancements in AI, PropTech and data analysis. The new edition is a comprehensive guide that explores various aspects of property valuation and investment in the context of the wider, international real estate market. It still introduces the basic frameworks, financial and investment approaches, and methodologies as it has always done, but with a much more hands on, explorative approach.

Routledge

September 2025 : 514pp

Pb: 978-1-032-77868-6 : **£62.99**

Hb: 978-1-032-79070-1 : **£160**

eBook: 978-1-003-49035-7

* For full contents and more information, visit: www.routledge.com/9781032778686

Building Lean, Building BIM

Improving Construction the Tidhar Way



Rafael Sacks, Samuel Korb, Ronen Barak

This book is the essential guide for any construction company that wants to implement Lean Construction and Building Information Modelling (BIM) to gain a strategic edge over their competition. The first of its kind, it outlines the principles of Lean, the functionality of BIM, and the interactions between the two, illustrating them through the story of how a medium sized enterprise, Tidhar Construction, has implemented Lean and BIM over four years. Highly relevant to a wide range of readers from the construction industry and important reading for Lean and BIM enthusiasts, researchers and students from a variety of industries and backgrounds.

Routledge

December 2017 : 420pp

Pb: 978-1-138-23723-0 : **£71.99**

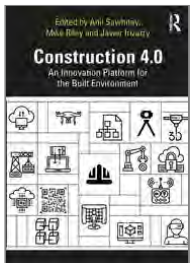
Hb: 978-1-138-23722-3 : **£200**

eBook: 978-1-315-30051-1

* For full contents and more information, visit: www.routledge.com/9781138237230

Construction 4.0

An Innovation Platform for the Built Environment



Edited by **Anil Sawhney, Michael Riley, Javier Irizarry**

The aim of this handbook is to describe the Construction 4.0 framework and consequently highlight the resultant processes and practices that allow us to plan, design, deliver and operate built environment assets more effectively and efficiently by focusing on the physical-to-digital transformation and then digital-to-physical transformation. This book is essential reading for all built environment and AEC stakeholders who need to get to grips with the technological transformations currently shaping their industry, research and teaching.

Routledge

October 2023 : 526pp

Pb: 978-1-032-65360-0 : **£52.99**

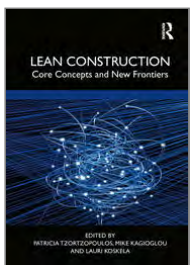
Hb: 978-0-367-02730-8 : **£180**

eBook: 978-0-429-39810-0

* For full contents and more information, visit: www.routledge.com/9781032653600

Lean Construction

Core Concepts and New Frontiers



Edited by **Patricia Tzortzopoulos, Mike Kagioglou, Lauri Koskela**

This book collates the main research developments around Lean Construction over the past 25 years with contributions from many seminal authors in the field. Highlighting the key contemporary developments and using global case study material the chapters demonstrate good practice but also help introduce new thinking to both lay readers and experienced practitioners alike. Essential reading for undergraduate and postgraduate students, researchers and practitioners with an interest in Lean Construction and construction management, providing a general understanding of the area, current state of the art knowledge as well as providing an insight to areas for future research.

Routledge

October 2024 : 460pp

Pb: 978-1-032-91967-6 : **£48.99**

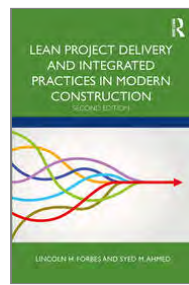
Hb: 978-0-367-19655-4 : **£94.99**

eBook: 978-0-429-20373-2

* For full contents and more information, visit: www.routledge.com/9781032919676

2ND EDITION

Lean Project Delivery and Integrated Practices in Modern Construction



Lincoln H. Forbes Florida International University, Miami, USA, **Syed M. Ahmed** East Carolina University, USA

Lean Project Delivery and Integrated Practices in Modern Construction is the new and enhanced edition of Modern Construction by Lincoln H. Forbes and Syed M. Ahmed. This book provides a multi-faceted approach for applying lean methodologies to improve design and construction processes. It builds on the groundwork established by the first edition as a compendium of the latest research and thinking on lean and integrated construction practices. Recognizing the wide diversity in the landscape of projects, and encompassing private and public sector activity, buildings and infrastructure, the book offers a number of approaches to improving construction project management.

Routledge

April 2020 : 522pp

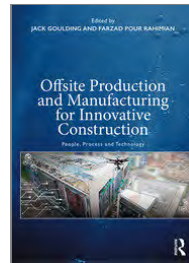
Hb: 978-1-138-31124-4 : **£87.99**

eBook: 978-0-429-45898-9

* For full contents and more information, visit: www.routledge.com/9781138311244

Offsite Production and Manufacturing for Innovative Construction

People, Process and Technology



Edited by **Jack S. Goulding** University of Wolverhampton, UK, **Farzad Pour Rahimian** Teesside University, UK

By synthesising the topics surrounding offsite manufacturing, this book takes hot construction subjects including stakeholders, skills, barriers, business models, question of value, SMEs, sustainable programs, BIM, and lean, that have been well documented and researched outside of the realm of offsite construction and evaluates them under the offsite lens. Three main themes are proposed: People, Process and Technology. Topics are mapped in order to allow readers to appreciate the symbiotic forces and interrelationships that exist – particularly on design, manufacturing and construction. Essential reading for all innovators in construction, engineering and architecture.

Routledge

June 2019 : 538pp

Pb: 978-1-138-55071-1 : **£52.99**

Hb: 978-1-138-55068-1 : **£170**

eBook: 978-1-315-14732-1

* For full contents and more information, visit: www.routledge.com/9781138550711

Resilient Post Disaster Recovery through Building Back Better



Sandeeka Mannakkara University of Auckland, New Zealand, **Suzanne Wilkinson** University of Auckland, New Zealand, **Regan Potangaroa** Victoria University of Wellington, New Zealand

This book explains the concept of "Building Back Better" as an innovative holistic approach to rebuilding a community following a disaster event in order to develop resilience. It presents an internationally recognized BBB Framework developed by the authors and explains it in detail with case studies from the US, Haiti, Indonesia, Samoa, Sri Lanka, Vanuatu, Gaza, China, Australia, UK and New Zealand, providing practical recommendations for implementation in recovery projects. It can be used as a handbook by government, non-governmental and private industry practitioners and as a core text on international Disaster and Energy Management courses.

Routledge

November 2018 : 148pp

Pb: 978-1-138-29753-1 : **£52.99**

Hb: 978-1-138-29752-4 : **£125**

eBook: 978-1-315-09919-4

* For full contents and more information, visit: www.routledge.com/9781138297531

Applied Quantitative Analysis for Real Estate



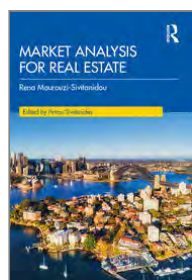
Sotiris Tsolacos University of Reading, UK, **Mark Andrew** Cass Business School, UK

This book presents an easy-to-read guide to applying quantitative analysis in real estate aimed at non-cognate undergraduate and Masters students, as well as meeting the requirements of modern professional practice. Both undergraduate and Masters level students, as well as real estate analysts in the professions will find this book to be essential reading.

Routledge
September 2020 : 326pp
Pb: 978-1-138-56133-5 : **£58.99**
Hb: 978-1-138-56132-8 : **£125**
eBook: 978-0-203-71087-6

* For full contents and more information, visit: www.routledge.com/9781138561335

Market Analysis for Real Estate



Edited by **Petros Sivitanides** Neapolis University Pafos, Cyprus, **Rena Mourouzi-Sivitanidou** USC University of Southern California, USA

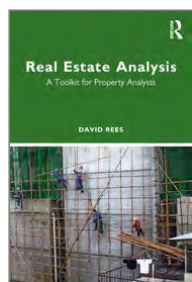
This book is a comprehensive introduction to how real estate markets work and the analytical tools and techniques that can be used to recognize and interpret market signals. Developed in the classroom, the economic and financial theory in this book is rigorous but assumes no previous course work in either. This macroeconomic theory is backed up with numerous real estate case study examples and problems. Including glossary, discussion questions, extensive web links and online slides, this textbook is suitable for use on a variety of degree programs in Real Estate, Finance, Business, Planning and Economics at Undergraduate and MBA level. It is also a useful primer for professionals.

Routledge
August 2020 : 466pp
Pb: 978-0-367-23350-1 : **£94.99**
Hb: 978-0-367-23347-1 : **£185**
eBook: 978-0-429-27940-9

* For full contents and more information, visit: www.routledge.com/9780367233501

Real Estate Analysis

A Toolkit for Property Analysts



David Rees

Real Estate Analysis: A Financial Toolkit presents economic and financial models, applications and insights, packaged as a toolkit for analysts and other participants in commercial and residential real estate markets. Drawing on mainstream and less-familiar economic analysis and financial models, readers will encounter applications and insights in a real estate context. The founding proposition is that "good theory is good practice". Graduates contemplating a career in real estate, as well as professionals looking for new insights or seeking to offer fresh advice to their clients, will find tools to broaden their perspectives and, perhaps, challenge established preconceptions.

Routledge
October 2023 : 180pp
Pb: 978-0-367-63021-8 : **£47.99**
Hb: 978-0-367-63026-3 : **£135**
eBook: 978-1-003-11193-1

* For full contents and more information, visit: www.routledge.com/9780367630218

2ND EDITION

Building Measurement

New Rules of Measurement



Andrew Packer University of Portsmouth, UK

In this much-needed new measurement textbook, the measurement of the most common building elements is described using the NRM. A practical step-by-step approach is used to explain and interpret the detail of the specific Work Sections of NRM2, covering a broad range of different trades, including mechanical and electrical systems; groundwork; masonry; joinery; and internal finishes. Presuming no prior knowledge of measurement or NRM, and fully up to date with current practice, this is the ideal text for students of measurement at HND or BSc level, as well as practitioners needing a crash course in how to apply the NRM.

Routledge

October 2016 : 376pp

Pb: 978-1-138-83814-7 : **£52.99**Hb: 978-1-138-69402-6 : **£190**

eBook: 978-1-315-73461-3

* For full contents and more information, visit: www.routledge.com/9781138838147

NRM1 Cost Management Handbook



David Bengel Gleeds International Management & Construction Consultants, UK

This definitive guide to measurement and estimating using NRM1, by the author of NRM1 himself, explains in clear terms how NRM1 should be used in familiar quantity surveying tasks, as well as a range of activities of crucial importance for quantity surveyors in years to come including integrating with BIM and risk management. Part 1: Introduction Part 2: Order of cost estimating Part 3: Cost planning - quantification of building works Part 4: Cost planning - estimating cost targets for non-building works items and risk allowances Part 5: Compilation and reporting of cost estimates and cost plans Part 6: Procurement using NRM 1 Part 7: Analysing bids and collecting cost data

Routledge

March 2014 : 640pp

Pb: 978-0-415-72077-9 : **£65.99**Hb: 978-1-138-12672-5 : **£170**

eBook: 978-1-315-84875-4

* For full contents and more information, visit: www.routledge.com/9780415720779

Taking Off Domestic Building Construction

An Introduction to Building Quantities



Andrew Atkinson

This book provides detailed guidance to taking off building work using illustrated examples. It is a useful workbook especially for technicians entering the construction industry or students of quantity surveying, construction and civil engineering. Each chapter presents a worked example from the substructure, through to masonry walls, upper floors, roofing, internal finishes, windows and doors, matched with exercises for students and a commentary of the take off work. This practical book is ideal for use on the Design, Surveying and Planning T Level, HNC Construction, undergraduate and non-cognate postgraduate courses in Quantity Surveying, Construction and Building Surveying.

Routledge

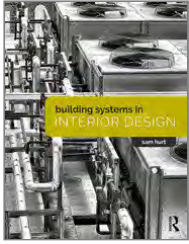
December 2023 : 226pp

Pb: 978-1-032-17160-9 : **£40.99**Hb: 978-1-032-18152-3 : **£170**

eBook: 978-1-003-25312-9

* For full contents and more information, visit: www.routledge.com/9781032171609

Building Systems in Interior Design



Sam Hurt

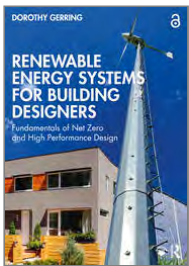
Takes an entirely new approach to teaching this essential topic for Architects, Designers and Building Engineers. Written to prepare students for the real world and packed with practical examples, the book will foster an understanding of specific issues that are critical to those features of technical systems that most directly affect design. Covering lighting, HVAC, plumbing and much more, the book is packed with key features to aid learning: over 400 illustrations, glossary, design tips and chapter summaries. Not only a core text but will become an essential working reference throughout professional careers.

Routledge
October 2017 : 420pp
Hb: 978-1-138-72336-8 : £105
eBook: 978-1-315-19305-2

* For full contents and more information, visit: www.routledge.com/9781138723368

Renewable Energy Systems for Building Designers

Fundamentals of Net Zero and High Performance Design



Dorothy Gerring

Renewable Energy Systems for Building Designers presents a comprehensive introduction to the latest resources and technologies used in high performance and net zero energy buildings, with a practical focus on the design and integration of these systems. This textbook and convenient reference offers a single-source guide to renewable technologies, balancing broad knowledge with the details of implementation crucial for successful sustainable design. It equips students and professionals with foundations and critical information needed to confidently plan for and meet the highest standards of energy-efficiency in new construction and retrofitted buildings.

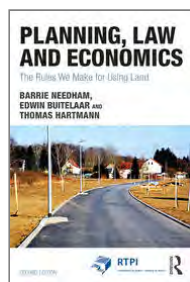
Routledge
September 2022 : 336pp
Pb: 978-1-032-28647-1 : £99.99
Hb: 978-1-032-28648-8 : £200
eBook: 978-1-003-29781-9

* For full contents and more information, visit: www.routledge.com/9781032286471

2ND EDITION

Planning, Law and Economics

The Rules We Make for Using Land



Barrie Needham Nijmegen School of Management, the Netherlands, **Edwin Buitelaar**, **Thomas Hartmann** Utrecht University, Netherlands

Planning, Law, and Economics sets out a new framework for applying a legal approach to spatial planning, showing how to improve the practice and help achieve its aims. The book covers planning laws, planning rights, and property rights, asking 'What rules do we want to make and, where necessary, enforce? And how do we want to apply them in planning practice?' This book sets out, in general and illustrated with concrete examples, how the three types of law mentioned above are unavoidably involved in all types of spatial planning. The book also makes clear that these laws can be combined in different ways, each way a particular approach to the practice of spatial planning.

Routledge

November 2018 : 180pp

Pb: 978-1-138-08557-2 : **£54.99**

Hb: 978-1-138-08555-8 : **£155**

eBook: 978-1-315-11127-8

* For full contents and more information, visit: www.routledge.com/9781138085572

4TH EDITION

Urban Planning and Real Estate Development



John Ratcliffe Dublin Institute, Ireland, **Michael Stubbs** National Trust, UK, **Miles Keeping** Partner and Head of Responsible Property Investment, Drivers Jonas Deloitte, UK

Series: Natural and Built Environment Series

This fourth edition of Urban Planning and Real Estate Development guides readers through the procedural and practical aspects of developing land from the point of view of both planner and developer. The authors explain the entire development process from inception through appraisal, valuation and financing to completion. Written by a team of authors with many years of academic, professional and research experience, and illustrated throughout with practical case studies and follow-up resources, this book is an invaluable textbook for real estate and planning students, and helps to meet the requirements of the RICS and RTPI Assessment of Professional Competence.

Routledge

July 2021 : 522pp

Pb: 978-0-367-02574-8 : **£59.99**

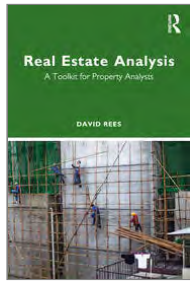
Hb: 978-0-367-02572-4 : **£155**

eBook: 978-0-429-39892-6

* For full contents and more information, visit: www.routledge.com/9780367025748

Real Estate Analysis

A Toolkit for Property Analysts



David Rees

Real Estate Analysis: A Financial Toolkit presents economic and financial models, applications and insights, packaged as a toolkit for analysts and other participants in commercial and residential real estate markets. Drawing on mainstream and less-familiar economic analysis and financial models, readers will encounter applications and insights in a real estate context. The founding proposition is that "good theory is good practice". Graduates contemplating a career in real estate, as well as professionals looking for new insights or seeking to offer fresh advice to their clients, will find tools to broaden their perspectives and, perhaps, challenge established preconceptions.

Routledge

October 2023 : 180pp

Pb: 978-0-367-63021-8 : **£47.99**

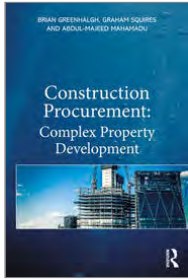
Hb: 978-0-367-63026-3 : **£135**

eBook: 978-1-003-11193-1

* For full contents and more information, visit: www.routledge.com/9780367630218

Construction Procurement

Complex Property Development



Brian Greenhalgh Chartered Quantity Surveyor, UK,
Graham Squires, **Abdul-Majeed Mahamadu**

This book is an easy to read introduction to the principles and methods of building procurement and is aimed at first year students or non-cognate graduates starting out on a career in construction, property, quantity surveying and construction management. Containing discussion points, chapter summaries and case studies, this book is ideal for use on a variety of degree programs and courses across the built environment and engineering.

Routledge

December 2021 : 326pp

Pb: 978-0-367-72565-5 : **£52.99**

Hb: 978-0-367-72568-6 : **£170**

eBook: 978-1-003-15535-5

* For full contents and more information, visit: www.routledge.com/9780367725655

Infrastructure Procurement and Funding

Harnessing Investment to Deliver a Better Future



Sharon McClements

Infrastructure Procurement and Funding explores the key models of procuring and financing major projects and infrastructure works whilst critically acknowledging the inherent challenges in successfully securing the necessary funding. The book is ideal reading for international courses in construction procurement, construction project management, infrastructure asset management, real estate investment and finance, but will also be useful for those construction business leaders in public and private sectors who are responsible for making major project and infrastructure financial and investment decisions.

Routledge

September 2022 : 130pp

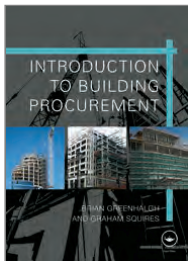
Pb: 978-0-367-76752-5 : **£52.99**

Hb: 978-0-367-77527-8 : **£155**

eBook: 978-1-003-17180-5

* For full contents and more information, visit: www.routledge.com/9780367767525

Introduction to Building Procurement



Brian Greenhalgh Quantity Surveying consultant, UK,
Graham Squires Senior Lecturer in Planning; School of Geography, Earth and Environmental Sciences at the University of Birmingham

Introduction to Building Procurement familiarises the reader with the principles and methods of the procurement of buildings, starting at the most basic level. Starting with introductory chapters that explain the structure of the construction industry, the nature of clients, and the historical development of the procurement methods in use today, the book goes on to address core procurement tasks. It is the ideal introductory textbook for professionals and undergraduates studying quantity surveying, construction project management and construction commercial management.

Routledge

January 2011 : 272pp

Pb: 978-0-415-48216-5 : **£52.99**

Hb: 978-0-415-48215-8 : **£190**

eBook: 978-0-203-88506-2

* For full contents and more information, visit: www.routledge.com/9780415482165

3RD EDITION

Construction Project Manager's Pocket Book



Duncan Cartlidge Construction Procurement Consultant, UK

Series: Routledge Pocket Books

This third edition continues to guide and educate readers on the broad range of essential skills required to be a successful construction project manager. The book introduces the generic skills required by any project manager, before tackling the core skills and activities of a construction project manager with direct reference to the RIBA Plan of Work and the OGC Gateway. The updates in this new edition take account of all regulatory and legislative changes, and also changing market conditions and working trends. This is the ideal concise reference that no project manager, construction manager, architect or quantity surveyor should be without.

Routledge

July 2024 : 270pp

Pb: 978-1-032-76135-0 : **£28.99**

Hb: 978-1-032-77251-6 : **£155**

eBook: 978-1-003-48208-6

* For full contents and more information, visit: www.routledge.com/9781032761350

Professionalism for the Built Environment



Simon Foxell The Architects Practice, UK

Series: BRI Research Series

In the aftermath of the Grenfell Tower tragedy, this new book provides thought provoking commentary on the nature of the relationship between society, the prevailing economic system and professionalism in the built environment. It is both an introduction to and an examination of professionalism and professional bodies in the sector, including a view of the future of professionalism and the organisations serving it. Essential reading for built environment professionals and students doing the professional studies elements of their training or in the process of applying for chartership or registration. The issues and lessons are applicable across all building professions.

Routledge

August 2018 : 404pp

Pb: 978-1-138-90021-9 : **£52.99**

Hb: 978-1-138-90020-2 : **£150**

eBook: 978-1-315-70740-2

* For full contents and more information, visit: www.routledge.com/9781138900219

How to Become a Chartered Surveyor



Jen Lemen

How to Become a Chartered Surveyor outlines potential pathways and practice areas within the profession and includes the breadth and depth of surveying, from commercial, residential and project management, to geomatics and quantity surveying. This book will help candidates to decode and understand the RICS guidance, plan their career and be successful in their journey to become a Chartered Surveyor. It will also be of relevance to academic institutions, employers, school leavers, apprentices, senior professionals, APC Counsellors/Supervisors and careers advisors.

Routledge
August 2021 : 220pp
Pb: 978-0-367-74219-5 : **£25.99**
Hb: 978-0-367-74227-0 : **£155**
eBook: 978-1-003-15667-3

* For full contents and more information, visit: www.routledge.com/9780367742195

2ND EDITION

Inspections and Reports on Dwellings

Reporting for Buyers



Ian A. Melville, Ian A. Gordon

Completing the series of books called Inspections and Reports on Dwellings, the third and final book, Reporting for Buyers, offers the surveyor guidance on setting out their findings in a clear, unambiguous and unequivocal manner. The book provides a fuller and more critical picture of the current situation with examples of various types of reports including: the Mortgage Valuation Report; RICS Condition Report; RPSA Home Condition Survey; Scottish Single Survey and the RICS Home Buyer Report among others.

Routledge
February 2016 : 318pp
Pb: 978-0-415-73221-5 : **£78.99**
eBook: 978-1-315-64332-8

* For full contents and more information, visit: www.routledge.com/9780415732215

2ND EDITION

Inspections and Reports on Dwellings

Inspecting



Philip Santo

This second edition of Inspecting updates the market context within which surveyors and valuers are operating. It includes a comparison of the wider choice of survey options professional surveyors can now offer to potential clients, including the RICS Home Survey range. The book retains a focus on the need for the surveyor to recognise and interpret the significance of observations on site. The book has been significantly improved by major enhancements to the structure and indexing to facilitate its use for reference purposes. The original photographs of defects have been further supplemented so there are now over 500 illustrations, each with descriptive text.

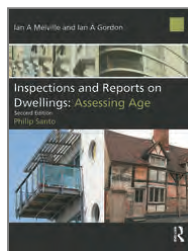
Routledge
January 2016 : 566pp
Pb: 978-0-080-97131-5 : **£78.99**
eBook: 978-0-080-97143-8

* For full contents and more information, visit: www.routledge.com/9780080971315

2ND EDITION

Inspections and Reports on Dwellings

Assessing Age



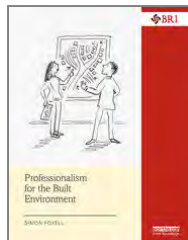
Philip Santo FRICS, Residential Surveyor and Valuer, RICS Consultant, UK

This second edition of Assessing Age updates the market context within which surveyors and valuers are now operating. In particular it has a new section on post-2000 properties, reflecting the profound impact of Government policies and environmental concerns on the modern urban landscape. Contains hundreds of high quality photographs of buildings from the 1600s to the present day.

Estates Gazette
July 2013 : 288pp
Pb: 978-0-080-97132-2 : **£78.99**
eBook: 978-0-080-97144-5

* For full contents and more information, visit: www.routledge.com/9780080971322

Professionalism for the Built Environment



Simon Foxell The Architects Practice, UK

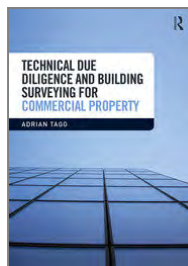
Series: *BRI Research Series*

In the aftermath of the Grenfell Tower tragedy, this new book provides thought provoking commentary on the nature of the relationship between society, the prevailing economic system and professionalism in the built environment. It is both an introduction to and an examination of professionalism and professional bodies in the sector, including a view of the future of professionalism and the organisations serving it. Essential reading for built environment professionals and students doing the professional studies elements of their training or in the process of applying for chartered status or registration. The issues and lessons are applicable across all building professions.

Routledge
August 2018 : 404pp
Pb: 978-1-138-90021-9 : **£52.99**
Hb: 978-1-138-90020-2 : **£150**
eBook: 978-1-315-70740-2

* For full contents and more information, visit: www.routledge.com/9781138900219

Technical Due Diligence and Building Surveying for Commercial Property



Adrian Tagg University of Reading, UK

The first book to introduce the process of TDD and examine the role of the Building Surveyor within the commercial property sector. The book outlines the processes that the surveyor must go through when performing a TDD inspection and report and most importantly covers, in detail, the typical pathology and defects encountered during TDD. Includes hundreds of illustrations and photographs of defects, real world cases studies and suggestions for further reading. An essential reference both at undergraduate and post-graduate level for those working towards their APC and an ideal textbook for Building Surveying courses.

Routledge
September 2018 : 416pp
Pb: 978-1-138-74518-6 : **£59.99**
Hb: 978-1-138-74517-9 : **£150**
eBook: 978-1-315-18071-7

* For full contents and more information, visit: www.routledge.com/9781138745186

2ND EDITION

Corporate Real Estate Asset Management

Strategy and Implementation



Barry Haynes Sheffield Hallam University, UK, **Nick Nunnington** Sheffield Hallam University, UK, **Timothy Eccles** Nottingham Trent University, UK

The second edition of Corporate Real Estate Asset Management is fully up to date with the latest thought and practice on successful and efficient use of corporate office space. Written from an occupier's perspective, the book presents a 10 point CREAM model which offers advice on issues such as sustainability, workplace productivity, real estate performance measurement, change management and customer focus. In addition, new case studies provide real-life examples of how corporations in the UK, USA, Hong Kong, and Abu Dhabi actively manage their corporate real estate.

Routledge

May 2017 : 464pp

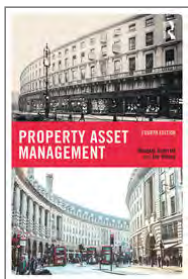
Pb: 978-1-138-91507-7 : **£54.99**Hb: 978-1-138-91506-0 : **£160**

eBook: 978-1-315-69044-5

* For full contents and more information, visit: www.routledge.com/9781138915077

4TH EDITION

Property Asset Management



Douglas Scarrett Formerly of De Montfort University, UK, **Jan Wilcox**

Property Asset Management is a practical guide to the key principles of successful property management, perfect for both student and practitioner alike. The book demonstrates how to manage properties for the varying needs of clients ranging from individual property owners to large international commercial ventures. As well as basic theory, the book covers the active management, strategic objectives, performance measurement and key financial and operational information needed for comprehensive reporting to clients. With everything you need for successful property asset management, this book suits UK RICS accredited and business courses and serves as a handy guide for every day practice.

Routledge

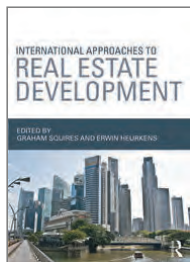
May 2018 : 322pp

Pb: 978-1-138-64423-6 : **£48.99**Hb: 978-1-138-06030-2 : **£140**

eBook: 978-1-315-62894-3

* For full contents and more information, visit: www.routledge.com/9781138644236

International Approaches to Real Estate Development



Edited by **Graham Squires**, **Erwin Heurkens** Delft University of Technology, The Netherlands

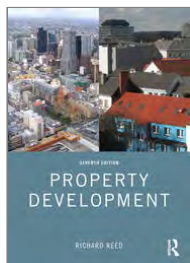
Written by an international team of experts, this book introduces real estate development theory and practice to students and professionals in the comparative international context. An introduction provides theory and concepts for comparative analysis before the chapters cover the United States; United Kingdom; The Netherlands; Hungary; United Arab Emirates; Bahrain and Qatar; Ghana; Chile; India; China; Hong Kong; and Australia. The wide range of case studies and mix of textbook theory with research mean this book is an essential purchase for students of real estate, property development, urban studies, planning and urban economics.

Routledge
August 2014 : 254pp
Pb: 978-0-415-82858-1 : **£54.99**
Hb: 978-0-415-82857-4 : **£220**
eBook: 978-1-315-77435-0

* For full contents and more information, visit: www.routledge.com/9780415828581

7TH EDITION

Property Development



Richard Reed Deakin University, Australia

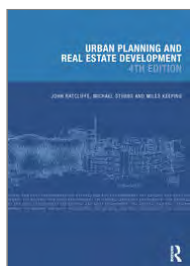
This fully revised 7th edition of Property Development has been completely updated to reflect ongoing changes in the property field and maintain the direct relevance of the text to all stakeholders involved in studying the property development process. This new edition of the standard text is ideally suited for all property development and real estate students will also be of interest to early career professionals and those pursuing similar professional degrees in the industry and in wider built environment courses.

Routledge
March 2021 : 376pp
Pb: 978-0-367-85835-3 : **£49.99**
Hb: 978-0-367-85833-9 : **£160**
eBook: 978-1-003-01530-7

* For full contents and more information, visit: www.routledge.com/9780367858353

4TH EDITION

Urban Planning and Real Estate Development



John Ratcliffe Dublin Institute, Ireland, **Michael Stubbs** National Trust, UK, **Miles Keeping** Partner and Head of Responsible Property Investment, Drivers Jonas Deloitte, UK

Series: Natural and Built Environment Series

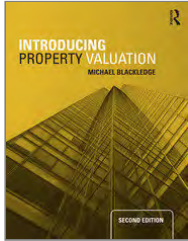
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Routledge
July 2021 : 522pp
Pb: 978-0-367-02574-8 : **£59.99**
Hb: 978-0-367-02572-4 : **£155**
eBook: 978-0-429-39892-6

* For full contents and more information, visit: www.routledge.com/9780367025748

2ND EDITION

Introducing Property Valuation



Michael Blackledge University of Portsmouth, UK

This new edition of bestselling textbook *Introducing Property Valuation* provides students with a comprehensive introduction to the concepts and methods of valuing real estate, helping them to progress successfully from basic principles to a more sophisticated understanding. Taking a practically oriented rather than purely theoretical approach, the textbook equips readers with the skills to undertake their own valuation calculations. Accessibly written with a full range of worked examples, case studies, clear chapter summaries and extensive further reading suggestions, this book is essential for any student of real estate and its valuation.

Routledge

August 2016 : 498pp

Pb: 978-1-138-92995-1 : **£61.99**

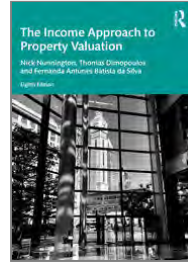
Hb: 978-1-138-92994-4 : **£190**

eBook: 978-1-315-68080-4

* For full contents and more information, visit: www.routledge.com/9781138929951

8TH EDITION

The Income Approach to Property Valuation



Nick Nunnington Nottingham Trent University, UK,
Thomas Dimopoulos, **Fernanda Antunes Batista da Silva**

The 8th edition of the longstanding and reputable textbook *The Income Approach to Property Valuation* elevates its practicality, broadens its international appeal, and cements its market leading status by incorporating the latest advancements in AI, PropTech and data analysis. The new edition is a comprehensive guide that explores various aspects of property valuation and investment in the context of the wider, international real estate market. It still introduces the basic frameworks, financial and investment approaches, and methodologies as it has always done, but with a much more hands on, explorative approach.

Routledge

September 2025 : 514pp

Pb: 978-1-032-77868-6 : **£62.99**

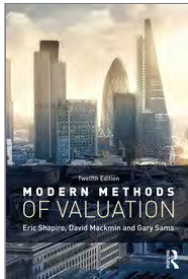
Hb: 978-1-032-79070-1 : **£160**

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Estates Gazette

January 2019 : 582pp

Pb: 978-1-138-50351-9 : **£59.99**

Hb: 978-1-138-50350-2 : **£140**

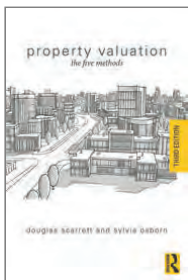
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3RD EDITION

Property Valuation

The Five Methods



Douglas Scarrett Formerly of De Montfort University, UK,
Sylvia Osborn College of Estate Management, UK

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Routledge

June 2014 : 208pp

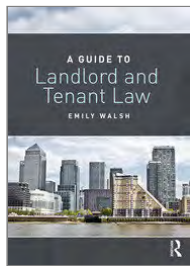
Pb: 978-0-415-71768-7 : **£52.99**

Hb: 978-0-415-71767-0 : **£190**

eBook: 978-1-315-79770-0

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A Guide to Landlord and Tenant Law



Emily Walsh University of Portsmouth, UK

The book is designed to provide a complete course text for both undergraduate and postgraduate students from surveying and real estate management backgrounds. It aims to introduce the reader to the fundamentals of both residential and commercial landlord and tenant law by considering the nature of the tenancy and the relationship between the parties. Contains useful features such as: key case summaries, a glossary and chapter summaries, further reading lists and a companion website with practice questions and legal updates. Will also make good supplementary reading for LLB and LLM students across the UK.

Routledge

June 2018 : 394pp

Pb: 978-1-138-69431-6 : **£48.99**

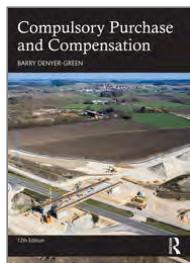
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Routledge

November 2024 : 458pp

Pb: 978-1-032-84414-5 : **£55.99**

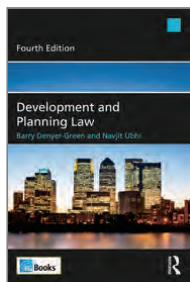
Hb: 978-1-032-86317-7 : **£170**

eBook: 978-1-003-52234-8

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4TH EDITION

Development and Planning Law



Barry Denyer-Green, Navjit Ubhi

This book is the fourth edition of a highly regarded work widely used by students and practitioners of real estate management, development, surveying, valuation, planning and law. Written by two experienced experts on law and the UK planning system, Development and Planning Law is essential reading for anyone involved in building and construction, surveying, planning, and development and who needs to know the law as it relates to their every day professional practice. It has been extensively updated to reflect the most recent legal developments, including the Localism Act 2011.

Estates Gazette

November 2012 : 444pp

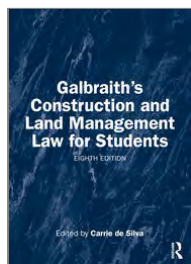
Pb: 978-0-728-20526-0 : **£78.99**

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8TH EDITION

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Edited by **Carrie de Silva** Harper Adams University, UK

Clearly written and with wide ranging coverage of key legal principles, this textbook highlights the need for students on built environment related courses to access information on how the law relates to their profession, without getting into the heavy detail of the full-scale legal texts. All chapters in this eighth edition have been updated with new case law along with statutory and regulatory changes and provide the background to the English legal system before covering key topics such as contract law, tort, health and safety, land law, planning, landlord and tenant, dispute resolution and employment law.

Routledge

February 2026 : 416pp

Pb: 978-1-041-09596-5 : **£52.99**

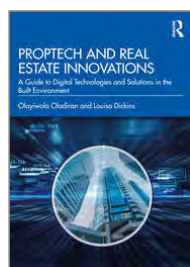
Hb: 978-1-041-10849-8 : **£160**

eBook: 978-1-003-65710-1

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PropTech and Real Estate Innovations

A Guide to Digital Technologies and Solutions in the Built Environment



Olayiwola Oladiran , Louisa Dickins

This textbook serves as a guide to real estate students and educators on the PropTech innovations and digital technologies which continue to shape the industry. It approaches this subject from the real estate components, asset classes and submarkets and links them to the associated technologies. It concludes by reviewing the role of education, innovation, skill development and professionalism as major elements of the future of real estate operations and practice. Valuable as course textbook, but also for researchers and professionals looking to gain insight into the current and future potential of digital technologies and their applications to real estate operations and practice.

Routledge

August 2024 : 360pp

Pb: 978-1-032-18713-6 : **£49.99**

Hb: 978-1-032-18857-7 : **£165**

eBook: 978-1-003-26272-5

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PropTech Innovations in Real Estate Investment and Finance

Sustainable Futures



Yishuang Xu , Leo Ming-yan Lo , Andy King-man Yiu

The real estate industry is undergoing unprecedented transformations driven by emerging technologies and sustainability practices. This textbook explores the intersection of PropTech, blockchain and sustainability, shaping the future landscape of real estate investment and finance. The book is a straightforward guide to understanding how new technologies are changing the real estate industry. It explains in clear, everyday language the key digital innovations like artificial intelligence, virtual reality, and blockchain transforming how homes and buildings are designed, constructed, bought, sold, financed, and managed.

Routledge

December 2025 : 264pp

Pb: 978-1-032-82423-9 : **£52.99**

Hb: 978-1-032-82424-6 : **£96.99**

eBook: 978-1-003-50443-6

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April 2023 : 246pp

Pb: 978-1-032-27595-6 : **£50.99**

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Series: Routledge Pocket Books

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Routledge

July 2026 : 358pp

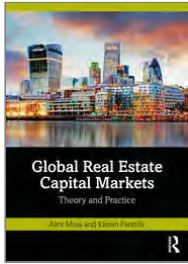
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Alex Moss , Kieran Farrelly

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eBook: 978-1-003-29856-4

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Introduction to Real Estate Development and Finance



Richard M. Levy University of Calgary, Canada

This book provides readers with a basic understanding of the principles that underlie real estate development. A brief historical overview and an introduction to basic principles are followed by examples from practice. Case studies focus on how cities change and respond to the economic, technological, social and political forces that shape urban development in North America. This book also provides an overview of the forces of supply and demand that gauge the potential market for a new project. In determining the size of "residual demand", estimates for population growth, family formation, and new development are important.

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eBook: 978-0-429-46956-5

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Routledge Companion to Real Estate Development



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Real estate development shapes the way people live and work, playing a crucial role in determining our built environment. Around the world real estate development reflects both universal human needs and region specific requirements, and there is an increasing need to better understand the full complexity of global real estate development. This companion provides comprehensive coverage of the major themes and issues in real estate development research. A team of international, interdisciplinary experts provide a depth and breadth of original research. The book will be an invaluable resource to students, researchers and professionals wishing to study international real estate deve

Routledge

June 2021 : 452pp

Pb: 978-1-032-09658-2 : **£50.99**

Hb: 978-1-138-91434-6 : **£235**

eBook: 978-1-315-69088-9

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Bob Voelker

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Routledge

May 2022 : 130pp

Pb: 978-1-032-20637-0 : **£60.99**

Hb: 978-1-032-20638-7 : **£155**

eBook: 978-1-003-26451-4

* For full contents and more information, visit: www.routledge.com/9781032206370

Real Estate Development Matrix



Daniel B. Kohlhepp Johns Hopkins University and Granite Road LLC, USA, **Kimberly J. Kohlhepp** Kimco Realty, USA

This book presents a new way of thinking about, teaching, learning and practicing Real Estate Development. The book is written by a real estate developer and academic and the presented material is conceptual, practical, and non-technical. Jargon has been minimized as the author introduces an entirely new model that is both academically authoritative and developed in practice. It is aimed at general professional audience participating in the development process, but equally the Handbook is ideal for use as a textbook in undergraduate and graduate courses in real estate development and an excellent supplemental text for business courses discussing real estate finance and investment.

Routledge

February 2018 : 348pp

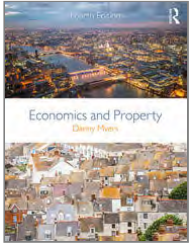
Hb: 978-1-138-74504-9 : **£125**

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Danny Myers University of Bath, UK

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Pb: 978-1-138-35998-7 : **£52.99**

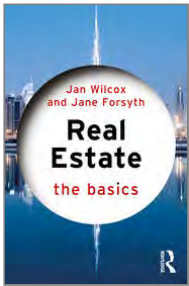
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Jan Wilcox , Jane Forsyth

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Pb: 978-0-367-72543-3 : **£23.99**

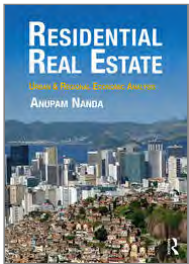
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Anupam Nanda University of Reading, UK

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March 2019 : 262pp

Pb: 978-1-138-89831-8 : **£39.99**

Hb: 978-1-138-89830-1 : **£170**

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Applied Quantitative Analysis for Real Estate



Sotiris Tsolacos University of Reading, UK, **Mark Andrew** Cass Business School, UK

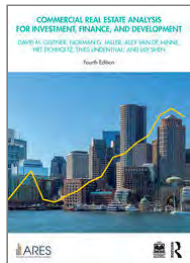
This book presents an easy-to-read guide to applying quantitative analysis in real estate aimed at non-cognate undergraduate and Masters students, as well as meeting the requirements of modern professional practice. Both undergraduate and Masters level students, as well as real estate analysts in the professions will find this book to be essential reading.

Routledge
September 2020 : 326pp
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Hb: 978-1-138-56132-8 : **£125**
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David M. Geltner, **Norman G. Miller**, **Alex Van De Minne**, **Piet Eichholtz**, **Thies Lindenthal**, **Lily Shen**

Series: The American Real Estate Society (ARES) Real Estate Thought Leadership Collection

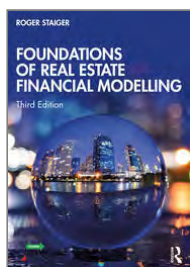
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Foundations of Real Estate Financial Modelling



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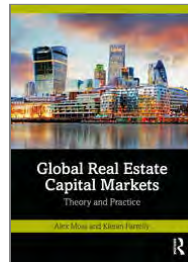
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Craig Furfine

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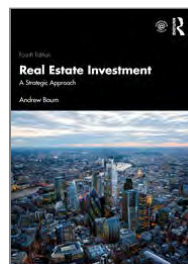
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Real Estate Investment

A Strategic Approach



Andrew Baum University of Oxford, UK

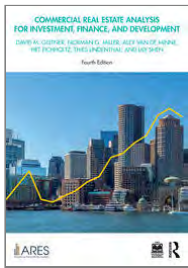
Real Estate Investment: A Strategic Approach introduces professional and technical approaches to building and managing large real estate portfolios. The new edition has been fully rewritten and reorganised and now includes five new chapters, twenty-five new international case studies and a renewed focus on topics such as PropTech, innovation and ESG. Ideal for undergraduate and postgraduate students on all real estate and property courses and related business studies and finance courses. Real Estate Investment is designed to provide a foundation for the next generation of investment managers, advisers and analysts.

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Series: The American Real Estate Society (ARES) Real Estate Thought Leadership Collection

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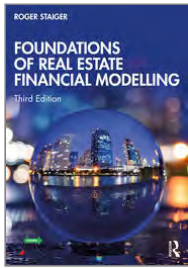
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A legal perspective



Mary Ann Hallenborg New York University, USA

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Routledge

December 2015 : 288pp

Pb: 978-0-415-72317-6 : **£94.99**

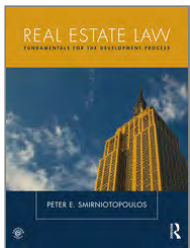
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Real Estate Law

Fundamentals for The Development Process



Peter Smirniotopoulos George Washington University, USA and School of Business, George Mason University, USA

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Routledge

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eBook: 978-1-315-76306-4

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Advanced Construction Mathematics



Surinder Viridi South and City College Birmingham, UK

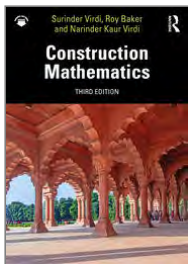
Advanced Construction Mathematics covers the range of topics that a student must learn in order to achieve success in Level 3 and 4 mathematics for the Pearson BTEC National and BTEC HNC/HND in Construction, Built Environment, and Civil Engineering. Packed with easy to follow examples and solutions, the chapters cover algebra (equations, transposition and evaluation of formulae), differentiation, integration, statistics and numerous other core concepts and their application in the construction/civil engineering field.

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3RD EDITION

Construction Mathematics



Surinder Viridi South and City College Birmingham, UK,
Roy Baker formerly of City of Wolverhampton College, UK,
Narinder Kaur Viridi

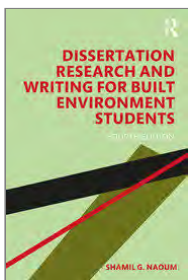
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Doing Contextualised Construction Research



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Mixed Methods Research Design for the Built Environment



Edited by **Julius Akotia**, **Bankole Osita Awuzie**, **Charles Egbu**

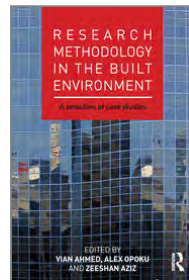
This book provides a practical guide to combining different research methods to complete vigorous built environment research projects. It is aimed at the growing number of students and researchers who are recognising the importance of applying mixed methods research design as the best-fit for conducting research into complex human activities within the built environment disciplines. Designs covered include, exploratory sequential and concurrent design, explanatory sequential and concurrent design, convergent and embedded mixed methods design. Essential for any Built Environment research methods course and researchers.

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Research Methodology in the Built Environment

A Selection of Case Studies



Edited by **Vian Ahmed** University of Salford, UK, **Alex Opoku**, **Zeeshan Aziz** University of Salford, UK

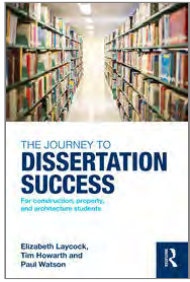
Built environment students are not always familiar with the range of different research approaches they could be using for their projects. Whether you are undertaking a postgraduate doctoral programme or facing an undergraduate or masters dissertation, this book provides general advice, as well as 13 detailed case studies from 16 universities in 7 countries, to help you get to grips with quantitative and qualitative methods, mixed methods of data collection, action research, and more.

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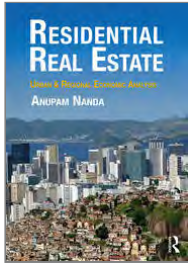
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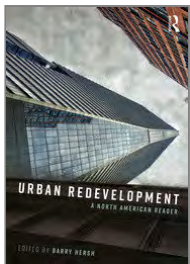
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Edited by **Barry Hersh** Schack Institute of Real Estate, New York University, USA

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