

Building Quantities Explained 5th Edition

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

"This book by Lisa Tauxe and others is a marvelous tool for education and research in Paleomagnetism. Many students in the U.S. and around the world will welcome this publication, which was previously only available via the Internet. Professor Tauxe has performed a service for teaching and research that is utterly unique."—Neil D. Opdyke, University of Florida

For the third edition, the author has revised his popular text and enlarged the chapters on the valuation of freehold and leasehold interests, discounted cash flow techniques and methods of valuation. An additional chapter on computer applications has been provided. This is a valuable text for first stage valuation examinations for professional degree and diploma courses and includes fully worked examples and self-test questions.

Introduces business managers and real estate managers to the changing role of real estate in corporate business. The aim is point up the importance of real estate, not in isolation but as an integral part of corporate strategy. The book shows how new technologies are affecting the ways that businesses look upon their real estate needs and make provision for them. Specific features, such as tenures and the problems of obsolescence are addressed. Practical help is provided to assist managers in developing, presenting and implementing corporate strategy incorporating real estate. There are seven case studies that illustrate contemporary practice.

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

This book adopts a methodical approach to the process of planning and control exercised by the contractor during the pre-tender, pre-contract and construction phases of projects through the application of various planning techniques to a number of case studies in both building and civil engineering. To develop a fundamental understanding of the factors which influence the successful management of time on projects, the book explores the implications of new forces that are changing the way the construction industry operates, including the 'Latham' culture and new health and safety legislation such as the Construction (Design and Management) Regulations. A number of planning applications are explained, including linked bar charts, networks and precedence diagrams, together with techniques used for repetitive projects, such as line of balance and time-chainage diagrams. The text also incorporates examples of contract budgetary control and cost-value reconciliation procedures.

A comprehensive analysis of property investment and the market's determination of commercial property values and investment performance. Will Fraser examines the economic forces that operate in the property market by placing property in the context of the overall investment market.

Value Management (VM) has been welcomed as a breakthrough in project management that can greatly increase the effectiveness of construction expenditure. This book provides a comprehensive, step-by-step review of authentic VM procedures, illustrated with examples and descriptions from the authors' extensive experience as practising value specialists. In addition to explaining all the steps that are integral elements of VM studies, it describes how to set up a VM programme and provides tips to ensure its success. The book will appeal to advanced students of construction management and to a wide range of construction professional.

Book Cover -- Title -- Copyright -- Contents -- List of illustrations -- List of tables -- Preface -- Acknowledgements -- Referencing -- Glossary and index -- CHAPTER 1 The Idea of the Past -- CHAPTER 2 Discovery and Investigation -- CHAPTER 3 Excavation -- CHAPTER 4 Dating the past -- CHAPTER 5 Archaeological science -- CHAPTER 6 Making sense of the past -- GLOSSARY -- BIBLIOGRAPHY -- INDEX

This book is an introductory text on building measurement and estimating for simple buildings in Hong Kong, based on the Hong Kong Standard Method of Measurement of Building Works 4th Edition Revised 2018 (HKSMM4 Rev 2018). It provides a toolkit for students and surveying technicians who are new to the subject. This second edition updates the contents in line with the HKSMM4 Rev 2018 and incorporates the latest industry developments such as BIM. The main text is divided into five parts following the development of a typical project. Part 1, Building the project team, introduces the team setup for a typical project. Part 2, Deciding the procurement strategy, explains the various procurement decisions to be made by an employer before any cost estimating and measurement work takes place. Part 3, Preparing for tender, covers the tendering methods, tender documentation and approximate estimating techniques used by Quantity Surveyors. Part 4, Measuring quantities, introduces measurement principles and HKSMM4 Rev 2018, followed by a detailed review of the measurement methods for each major trade, with worked examples. Part 5, Estimating unit rates, explores the basic techniques for unit rate preparation. The book contains worked examples from real Hong Kong building projects, self-assessment questions, reminders and points of note. 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 Quantity Surveyors practice.

This is a comprehensive textbook for students of cinema. It provides a guide to the main concepts used to analyse the film industry and film texts, and also introduces some of the world's key national cinemas.

Facilities management is the growth property profession, as the drive towards ever-increasing efficiency and international competitiveness brings the facilities manager into the spotlight and he becomes recognised as a top level manager. Written by a

consultant facilities manager with more than 20 year's experience, the book deals with an area that is a step on from the design, procurement and furnishings of buildings into the skills of managing how the facility is used, and how it evolves in response to changing occupier demands.

The cost manager/quantity surveyor plays a pivotal role in the financial and contract management of construction projects, although the exact nature of the service they provide depends on the project employer's terms of engagement. This can mean acting as consultant in a range of roles including cost and advisory services for budget setting to initiate a project, cost management through the design and construction phases, contract administration and acting as the client side project manager to oversee the entire building process. Cost Management of Construction Projects focusses on the cost manager/quantity surveyor engaged by the project client, and discusses key elements that help drive project success including measurement (based on the New Rules of Measurement published by RICS), procurement, cost planning, contract administration and project cost management. With examples, it provides a thorough guide to the role in the workplace and in the field, directly addressing the day to day situations faced by the cost manager/quantity surveyor. Donald Towey MRICS has extensive experience of the construction industry. His experience began as an estimator with a glass/glazing contractor in Manchester. Following a number of positions with UK contractors he relocated to Australia and has worked with a number of developers and main contractors, as well as doing freelance work. He is currently working in contracts management in Sydney.

This book covers the whole range of skills and knowledge that modern quantity surveyors require to perform their work efficiently and effectively. The text has been thoroughly revised and substantially extended to enhance its value to the reader. All the basic skills of the quantity surveyor in construction procurement, contract administration and cost control and management are dealt with in sufficient detail to meet the needs of students. The newly developing areas of project management and value management are examined and illustrated in a practical way.

This book analyses and comments on the 1980 JCT Standard Form of Building Contract, Private with Quantities Edition on a clause-by-clause basis, including notes on interpretation, legal precedents and information on the alternative editions of the Standard Form as well as the appropriate supplements. The third edition of this book incorporates the amendments published up to the end of November 1994 and updates the case law to include significant, recent precedents which supplement those included in the first two editions. Thus, this book will prove of use to many concerned with building, whether in industry or the professions commonly encountering problems of interpretation and implementation of the contract, or as students. The use of this book is recommended to be in conjunction with a copy of the appropriate JCT contract in order that the exact terminology of the document may be studied together with its interpretation. This is particularly important in practical situations where amendments to the contract vary the standard terms.

Describes and explains the principles of the techniques that can be used to appraise the financial viability for a developer of undertaking the construction of a building project. Adopts an integrated approach that takes into account the roles of all the parties normally involved in the development process in UK, namely, the developer, the financial analyst, the property valuer, the quantity surveyor, the accountant, the building surveyor and the facilities manager. The book analyses the two factors which determine viability: the value realised, and the cost incurred by the project developer. Both factors are analysed in an economic, financial and managerial context.

This book offers a new approach to the management of resources within the construction industry, and with special reference to smaller construction companies. A systems approach, based on a case study, is adopted to describe how the basic production resources are planned for, monitored and managed. Each resource is considered in detail, highlighting its associated problems for management, the aim being to develop a structured approach to the management of each resource within an overall integrated framework. The early chapters examine the problems of resource control; they describe the economic, financial, social and legal constraints under which management decisions are taken. Subsequent chapters deal with manpower, materials, plant and subcontracting. Then come several chapters that examine costs from the viewpoint of classification, monitoring and control. The closing chapters discuss resource cost management and cashflow, culminating in a final chapter that demonstrates how an integrated systems of cost and cashflow management may be operated.

Delay and disruption in the course of construction impacts upon building projects of any scale. Now in its 5th edition Delay and Disruption in Construction Contracts continues to be the pre-eminent guide to these often complex and potentially costly issues and has been cited by the judiciary as a leading textbook in court decisions worldwide, see, for example, *Mirant v Ove Arup* [2007] EWHC 918 (TCC) at [122] to [135] per the late His Honour Judge Toulmin CMG QC. Whilst covering the manner in which delay and disruption should be considered at each stage of a construction project, from inception to completion and beyond, this book includes: An international team of specialist advisory editors, namely Francis Barber (insurance), Steve Briggs (time), Wolfgang Breyer (civil law), Joe Castellano (North America), David-John Gibbs (BIM), Wendy MacLaughlin (Pacific Rim), Chris Miers (dispute boards), Rob Palles-Clark (money), and Keith Pickavance Comparative analysis of the law in this field in Australia, Canada, England and Wales, Hong Kong, Ireland, New Zealand, the United States and in civil law jurisdictions Commentary upon, and comparison of, standard forms from Australia, Ireland, New Zealand, the United Kingdom, USA and elsewhere, including two major new forms New chapters on adjudication, dispute boards and the civil law dynamic Extensive coverage of Building Information Modelling New appendices on the SCL Protocol (Julian Bailey) and the choice of delay analysis methodologies (Nuhu Braimah) Updated case law (to December 2014), linked directly to the principles explained in the text, with over 100 helpful "Illustrations" Bespoke diagrams, which are available for digital download and aid explanation of multi-faceted issues This book addresses delay and disruption in a manner which is practical, useful and academically rigorous. As such, it remains an essential reference for any lawyer, dispute resolver, project manager, architect, engineer, contractor, or academic involved in the construction industry.

This practical guide to cost studies of buildings has been updated and revised throughout for the 5th edition. New chapters have been added on the RICS New Rules of Measurement (NRM) for order of cost estimating and elemental cost planning, and on the procurement of construction projects.

This book provides a systematic appraisal of the planning procedures and management decisions undertaken during the pre-tender, pre-contract and contract planning stages of a construction project. The coverage and treatment is especially suited to students preparing for the final examinations of the CIOB and the IQS. Planning engineers, site managers and contracts managers will also find much of direct relevance and interest in the book.

This guide is a thorough rewrite and update of a classic text used by generations of students that utilizes a standardized and structured approach in line with current QS practice. It includes many new worked examples, figures, and schedules and is filled with clear, handwritten dimensions with detailed explanatory notes. An introduction to computerized measurement is also provided.

This well established book examines the science and technology of those provisions and services that are required in the built environment. The main considerations are the effects of heat, light and sound within buildings. In addition other essential requirements such as supplies of electricity and water are discussed. While the basic structure of the book remains the same in this new edition, all chapters are revised; some material is rearranged and several new sections are added.

This is the first book to provide explanations of the rules and requirements of SMM7 regarding the measurement of building services. References are also made to the SMM7 Measurement Code where appropriate. Another important feature considered is the interface

between the SMM requirements and the relevant services technology. The text is strongly supported with fully worked examples, complete with detailed drawings, which are based on current industrial practice.

A broadly based text intended mainly for undergraduate students who have to study law as part of their Built Environment course. The aim of the book is to help students to resolve law-based problems and enable them to have a general idea of the legal position if they encounter relevant problems after finishing their studies.

Tourism, Tourists and Society provides a broad introduction to the inter-relationship between tourism and society, making complex sociological concepts and themes accessible to readers from a non-sociological academic background. It provides a thorough exploration of how society influences or shapes the behaviours, motivations, attitudes and consumption of tourists, as well as the tourism impacts on destination societies. The fifth edition has been fully revised and updated to reflect recent data, concepts and academic debates: • New content on: mobilities paradigm and the emotional dimension of tourist experiences. • New chapter: Tourism and the Digital Revolution, looking at the ways in which the Internet and mobile technology transform both tourist behaviour and the tourist experience. • New end-of-chapter further reading and discussion topics. Accessible yet critical in style, this book offers students an invaluable introduction to tourism, tourists and society.

Constructability has been defined as 'the optimum integration of construction knowledge and experience in planning, engineering, procurement and field operations to achieve overall project objectives'. Those who advocate it as a concept and approach claim that it can bring real benefits to all involved clients, consultants, contractors and users. This book provides for the advanced student or practitioner a review of the concepts, principles and practices of constructability at each stage in the total construction process. After introductory chapters that explain the concept and principles of constructability and place them in the building/engineering context, the authors review the impact of different procurement routes on constructability, before moving on to focus on the implications in the design and construction phases. A key chapter is devoted to a sequence of case studies of real projects that illustrate the implementation of constructability; these cover building, engineering, services and refurbishment.

An illustrated guide to wooden boat construction using WEST SYSTEM epoxy by pioneers in the field of wood/epoxy composite construction. Subjects include Fundamentals of Wood/Epoxy Composite Construction, Core Boatbuilding Techniques, First Production Steps, Hull Construction Methods, and Interior and Deck Construction.

The increasing sophistication of buildings means that most of the work on an average project will be sub-contracted, so sub-contractors now play a crucial role in practically all building projects. This book is a comprehensive examination of the legal principles which affect sub-contractors and explains in detail the key provision of the standard sub-contracts for use with the various JCT forms of the main contract. It examines issues such as design by sub-contractors, variations in sub-contract work, payment and set-off, and sub-contractor's claims for extensions of time and loss and expense.

Concentrating exclusively on the auctioning of real property, this book draws on a wide range of working auctioneers' experiences. All facets of the auction process are examined and explained in a logical step by step sequence. The book contains a wealth of practical advice and useful tips, together with comment on the pitfalls and problems that await the unwary. There are helpful sections giving guidance and the law on all important aspects including particulars, price guides, the reserve and bidding.

This text aims to meet the needs of students studying building measurement in the early years of quantity surveying and building degree courses. 27 worked examples embracing all the principal building elements are included.

This revised and reset new fifth edition generally follows the structure of the previous edition, although some of the material of the earlier chapters has been rearranged, in addition to being updated and extended. A new feature of this edition is the allocation of a complete chapter to examining the problems of urban decline and renewal. Here the economic and social problems are discussed within the framework of current issues in urban policy, local government and planning. The book will appeal as a basic textbook for undergraduate students of estate management, land economics, building surveying and quantity surveying. It will be valuable to students taking degree or equivalent courses in urban economics, urban geography or town planning; it will also appeal to those preparing for RICS and RTPI examinations.

This comprehensively rewritten, updated and extended new edition of this established text focuses on what has become the most important single facet of the quantity surveyor's role - cost management. The scope of the book has been broadened to take account of the widening and more sophisticated cost management and control service that clients now require. The book examines the factors influencing building costs and how the precontract costs can be estimated, analysed and controlled, to ensure that buildings can be completed within the agreed budget and timescale, and be of acceptable quality, function effectively and provide value for money. A new chapter on value management has been added, together with an introductory chapter on cost modelling; the chapter on life cycling costing is extended, while the sections on energy conservation and occupancy costs are expanded. Throughout the text many new case studies, with supporting tables and diagrams, are included in order to enhance the value of this book to the student and the practitioner.

This popular and well-established book has been rewritten to conform to the seventh edition of the Standard Method of Measurement of Building Works (SMM7) The author explains in detail the practical measurement of building works, using some twenty-five worked examples covering all the main building components, supplemented by extensive explanatory notes that clarify the basic principles and show how they are best interpreted and applied. As in previous editions, a chief aim has been to emphasise the usefulness of the book as a practical student guide to the measurement of relatively simple building work.

A comparative review of construction techniques relating to low and medium rise buildings, based on five representative European Community countries - Denmark, France, Germany, The Netherlands and Portugal. Professional relationships and the roles of the architect, engineer and surveyor are described, together with contractual procedures as appropriate. Case study examples are discussed under each country and numerous line diagrams illustrate the different techniques adopted for the construction of foundations, floors, internal and external walls and roofs. Comparative data on other EC countries not examined in detail is included. A textbook and reference source for students of the built environment.

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