

CONSTRUCTION PLANNING, PROGRAMMING & CONTROL

SECOND EDITION

BRIAN COOKE & PETER WILLIAMS



Blackwell
Publishing

Construction Planning Programming And Control

G Psacharopoulos



Construction Planning Programming And Control:

Construction Planning, Programming and Control Brian Cooke, Peter Williams, 2013-02-05 This book offers a clear explanation of the principles and practice of construction planning programming and control during the preparation and construction stages of a project The book is written in the context of current procurement and contractual arrangements and JCT2005 NEC3 and ICE7 contracts are covered The statutory framework within which construction projects must be managed is explained and the topic of construction hazard and risk is covered in detail A variety of programming techniques are explained and the development of safe construction sequences and methods is particularly emphasised The control of time money and resources are considered in a risk management context and a complete chapter is devoted to cash flow The third edition has been extensively updated and extended to include new materials on Hazard identification Risk assessment Health and safety management CDM 2007 Construction sequences and method statements Delay analysis Waste management and Site Waste Management Plans The final three chapters are devoted to individual case studies which have been selected to illustrate the practical application of the principles explained in the book and to provide examples of current procedures adopted by major contractors The content is designed to provide a clear and comprehensive text for undergraduates on construction management surveying and civil engineering degree courses

Construction Planning, Programming and Control Brian Cooke, Peter Williams, 2025-01-13 An essential introduction to the management of building projects Construction management is a complex discipline with many facets The essence of construction management is the delivery of construction projects to meet the client's goals whilst recognising the commercial interests of the many designers consultants and contractors involved Balancing the expected quality outcomes the highest safety standards and time and budget pressures is not an easy task Therefore students and practitioners looking to understand the core principles of construction management need an authoritative accessible and comprehensive text on the subject Since its first edition in 1998 *Construction Planning Programming and Control* has met this need with its practical approach to the management of construction projects The book covers the principles and practice of project time and cost control and includes key related topics and more It places the subject matter in the context of the challenges facing the construction industry and explains complex issues in a practical and understandable way Readers of the fourth edition of *Construction Planning Programming and Control* will also find detailed coverage of Procurement and contracts supply chain and risk management and health and safety management including CDM 2015 JCT 2016 NEC4 ICC and FIDIC conditions of contract Method statements and the development of safe systems of work Three new major case studies including an in depth look at HS2 Fully updated content to reflect new thinking with regard to modern methods of construction MMC building information modelling BIM and the latest planning and cost management software *Construction Planning Programming and Control* is an invaluable reference for students of construction management surveying civil engineering and more

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Planning, Programming, and Control Brian Cooke,2004 **Delay Analysis in Construction Contracts** P. John Keane,Anthony F. Caletka,2009-01-26 The most significant unanticipated costs on many construction projects are the financial impacts associated with delay and disruption to the works Assessing these and establishing a causal link from each delay event to its effect contractual liability and the damages experienced as a direct result of each event can be difficult and complex This book is a practical guide to the process of delay analysis and includes an in depth review of the primary methods of delay analysis together with the assumptions that underlie the precise calculations required in any quantitative delay analysis The techniques discussed can be used on projects of any size under all forms of construction contract both domestic and international The authors discuss not only delay analysis techniques but also their appropriateness under given circumstances demonstrating how combined approaches may be applied where necessary They also consider problematic issues including who owns the float concurrent delay early completion programmes and disruption The book which is well illustrated features practical worked examples and case studies demonstrating the techniques commonly used by experienced practitioners This is an invaluable resource to contractors architects engineers surveyors programmers and delay analysts and will also be of interest to clients professional advisors managing extension of time or delay claims as well as construction lawyers who require a better understanding of the underlying assumptions on which many quantitative delay analyses are based

Management of Construction Projects Brian Cooke,2014-10-24 Construction Management is a wide ranging discipline but ultimately it is a demanding hands on discipline concerned with the management of people plant and materials all mobilised to complete a building project safely on time on budget and to the client s satisfaction Management of Construction Projects is a highly illustrated series of case studies based on seven live construction management projects demonstrating the very practical nature of managing projects The detailed case studies cover a variety of construction projects varying in value from 1million to 117 million including a major inner city office block a portal framed factory unit a university refurbishment project a superstore car park and a new school building The case studies emphasise detailed on site management procedures and identify a predominantly functional approach to managing projects A number of related chapters covering practical and theoretical aspects of construction management support and illustrate the individual case studies With a strong emphasis on the practical nature of the subject Management of Construction Projects is an ideal introduction to the subject for all students on construction and related degree and diploma programmes It will be of particular interest to students preparing for the CIOB EPA programme and the new NVQ courses at level 4 and 5 in construction management

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