



Construction Planning, Programming and Control

By Brian Cooke, Peter Williams



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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.

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Editorial Review

Review

"An excellent value text for undergraduates and postgraduates on built environment courses.... It is refreshing to read such a comprehensively up-dated book in this field which covers a wide spectrum of related areas with clear and across the board examples throughout." (*Building Engineer*, April 2009)

"Bringing the book once again favourably up to date, risk and hazard management, management of the supply chain, waste and H&S management have been introduced.... With its appealing practical delivery of appropriate topics and specific subject content this new edition should continue to be attractive to students and graduates." (*McCaffer*, April 2009)

From the Back Cover

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About the Author

Brian Cooke MSc MCIQB is a former chartered civil engineer, quantity surveyor and principal lecturer in construction management. He has lectured widely on management and financial topics both in the UK and overseas. He is currently a visiting lecturer at the University of Salford.

Peter Williams MSc is a former chartered builder, chartered quantity surveyor and principal lecturer. He is currently a writer, researcher, lecturer and consultant with particular interests in contracts and finance, delay analysis and health and safety management.

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