

Construction Project Scheduling and Control

By Saleh A. Mubarak



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Bad scheduling can doom a construction project from the start

Construction Project Scheduling and Control provides a comprehensive examination of the analytical methods used to devise a reasonable, efficient, and successful schedule for construction projects of all sizes. This updated third edition contains new information on building image modeling (BIM) and its relationship to project scheduling and control, as well as thorough coverage of the latest developments in the field. Written by a career construction professional, this informative text introduces students to new concepts in CPM scheduling, including the author's own Dynamic Minimum Lag technique. The expanded glossary and acronym list facilitate complete understanding, and the numerous solved and unsolved problems help students test their knowledge and apply critical thinking to issues in construction scheduling. A complete instructor's manual provides solutions to all problems in the book, test questions for each chapter, and additional exam questions for more comprehensive testing.

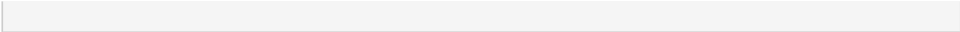
The entire success of a construction process hinges on an efficient, well-thought out schedule, which is strictly defined while allowing for inevitable delays and changes. This book helps students learn the processes, tools, and techniques used to make projects run smoothly, with expert guidance toward the realities of this complex function.

- Discover realistic scheduling solutions and cutting edge methods
- Learn the duties, responsibilities, and techniques of project control
- Get up to date on the latest in sustainability, BIM, and lean construction
- Explore the software tools that help coordinate scheduling

Scheduling encompasses everything from staff requirements and equipment needs to materials delivery and inspections, requiring a deep understanding of the process. For the student interested in construction management, *Construction Project Scheduling and Control* is an informative text on the field's current best practices.

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Editorial Review

From the Back Cover

CULTIVATE THE BEST SCHEDULE FOR A THRIVING CONSTRUCTION PROJECT

An efficient, well-thought out, strictly defined schedule that allows for inevitable delays and changes is the crux of a successful construction project. Scheduling encompasses everything from staff requirements and equipment needs to material delivery and inspections, and the effective scheduler must have a deep understanding of the construction process and workflow. *Construction Project Scheduling and Control* describes the tools, techniques, and practices that make projects run smoothly, with invaluable insight from a construction professional.

This new third edition includes information on building information modeling (BIM) and its relationship to project control, and a thorough exploration of the latest developments in the field, including the author's own Dynamic Minimum Lag technique. Solved and unsolved problems help students apply critical thinking to issues in construction scheduling, providing a real-world glimpse of the realities of this complex function.

- Master the myriad duties under the scheduling umbrella
- Learn the cutting edge methods that keep a project on track
- Explore the software and BIM that coordinate stakeholders
- Practice risk management, lean scheduling, sustainability, and more

Construction Project Scheduling and Control provides comprehensive guidance to reasonable, effective, and successful scheduling practices for construction projects of all sizes.

About the Author

SALEH MUBARAK, PHD, is an independent consultant in the field of construction project management, based in Tampa, Florida, focusing on training, writing, public speaking, and consulting. He is a former professor at a number of universities and an active member of PMI and AACE International. He served on the PMI committee that created the professional scheduler certification exam, PSP. He has more than 25 years of diversified and international experience including academia and industry; private and public sectors. He is also the author of *How to Estimate with RSMeans Data*, published by Wiley.

Users Review

From reader reviews:

Pearlie Henry:

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