



Construction Planning and Scheduling (4th Edition)

By Jimmie W. Hinze

Download now

Read Online 

Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze

Construction Planning and Scheduling, Fourth Edition offers broad coverage of all major scheduling subjects. This comprehensive resource is designed for construction management, planning and scheduling. It follows a logical progression, introducing precedence diagramming early and following with chapters on activity durations, resource allocations, network schedules, and more. It reflects current trends in scheduling (short-interval scheduling, computer scheduling, linear scheduling etc.) and includes chapters on arrow diagramming and PERT. With an eye on application, it includes a unique discussion of contract provisions related to scheduling and incorporates a sample project throughout.

 [Download Construction Planning and Scheduling \(4th Edition\) ...pdf](#)

 [Read Online Construction Planning and Scheduling \(4th Edition\) ...pdf](#)

Construction Planning and Scheduling (4th Edition)

By Jimmie W. Hinze

Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze

Construction Planning and Scheduling, Fourth Edition offers broad coverage of all major scheduling subjects. This comprehensive resource is designed for construction management, planning and scheduling. It follows a logical progression, introducing precedence diagramming early and following with chapters on activity durations, resource allocations, network schedules, and more. It reflects current trends in scheduling (short-interval scheduling, computer scheduling, linear scheduling etc.) and includes chapters on arrow diagramming and PERT. With an eye on application, it includes a unique discussion of contract provisions related to scheduling and incorporates a sample project throughout.

Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze Bibliography

- Sales Rank: #536796 in Books
- Published on: 2011-02-28
- Original language: English
- Number of items: 1
- Dimensions: 10.90" h x .70" w x 8.60" l, 1.39 pounds
- Binding: Hardcover
- 264 pages

 [Download Construction Planning and Scheduling \(4th Edition\) ...pdf](#)

 [Read Online Construction Planning and Scheduling \(4th Editio ...pdf](#)

Download and Read Free Online Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze

Editorial Review

From the Back Cover

Presents a straightforward and comprehensive introduction to the techniques of construction scheduling as well as a wide range of related topics. Construction Scheduling includes discussions on the relationship of contract provisions to construction scheduling; the effects of management decisions on a construction schedule; and the concept of Linear Scheduling. It also presents a treatise on Short Interval Scheduling. An essential reference book for any professional or tradesman involved in or responsible for construction scheduling or supervising a construction project.

Excerpt. © Reprinted by permission. All rights reserved.

Many textbooks have been published on the subject of construction scheduling. Many of them provide excellent information on a variety of scheduling subjects. Unfortunately, they are often limited in their scope, often omitting scheduling subjects that might be of particular interest to the reader. This text is written to provide broad coverage on all major scheduling subjects.

My first employment with a construction contractor was a summer job in the 1960s. Although I was given many different assignments, I have vivid memories of the arrow diagram network that I was asked to draw by hand. Of course, I just had a class on the fundamentals of arrow diagramming, so the scheduling assignment was reasonably easy for me. A few years later while working for a different firm, my primary responsibility was scheduling. The scheduling effort was largely focused on the coordination of subcontractors on several different projects for which I used the precedence diagramming method. It was during this period that I developed a strong appreciation for the value of effective scheduling and the use of precedence diagrams.

There are many approaches to providing scheduling information. Some of these are described briefly in Chapter 1. This textbook is written with a major emphasis on precedence diagramming, with only the last chapter addressing arrow diagramming. Although I recognize that most scheduling is done with precedence diagrams, I also feel that an introduction to the subject of arrow diagramming is appropriate. In academic settings, I have found that students can grasp arrow diagramming more easily if they have not already been exposed to precedence diagrams. For this reason, instructors who plan to lecture on arrow diagrams should consider jumping to Chapter 16 after the first two chapters are covered. Chapter 3 explains the fundamentals of precedence diagrams. Regardless of the scheduling technique used, successfully using scheduling information is rooted in beginning with accurate time estimates for activity durations as discussed in Chapter 4.

One scheduling topic seldom addressed in scheduling texts, especially in detail, is that of contract provisions related to scheduling. This text devotes an entire chapter to this subject (Chapter 5). Resource leveling and resource allocation are described in Chapter 6. The impact of scheduling provisions on cash flow is also addressed (Chapter 7). Manual solutions are described for solving problems related to resource utilization and cash flow. Although such problems are often solved by computer, it is helpful for schedulers to understand the process of arriving at a solution in order to fully comprehend computer solutions.

Schedules are management tools and, as such, they should be used. It is through the proper use of schedules that management is able to make informed decisions about scheduling activities. This use includes updating

the schedules when the schedule information ceases to be useful for making informed decisions. This process is described in Chapter 8.

Chapter 9 addresses computer applications. This chapter is not a user's manual, nor is it a proponent for any particular scheduling software. The more widely used software programs are described to some extent, but this is not to be construed as an endorsement of any particular product. The purpose of the chapter is to familiarize the reader with some of the basic scheduling concepts that are addressed by computer software.

Chapter 10 describes earned value concepts. Project schedules are generally adversely impacted by changes in the project. Chapter 11 provides information for quantifying such impacts. Such information is often required when a claim is prepared. Chapter 12 presents a brief discussion of the value of schedules in litigation.

Short-interval schedules are addressed in Chapter 13. This treatise is far more extensive than any known writings or papers on the subject. The use of short-interval schedules is vital to the successful completion of many construction projects. Although concepts of their use and application are simple, the subject warrants a discussion in any serious text on scheduling.

Linear scheduling (discussed in Chapter 14) is a relatively new scheduling technique used in the construction industry. Linear scheduling is a viable method on a variety of projects that would otherwise be difficult to schedule. Schedulers should consider the use of linear scheduling on projects that lend themselves to this technique. The use of probabilistic duration estimates is described in Chapter 15. Although the use of PERT is perhaps minimal in the construction industry, the basic concepts should be understood.

It is perhaps rare for a text to be written entirely by one person. I certainly can make no such claim. Others have provided valuable assistance in helping me compile all of the information for this text. Dr. Ian Flood also offered valuable comments as the initial text was being finalized. The efforts of Bruce Jamieson were instrumental in compiling the information on short-interval scheduling, and Rory McCarty contributed to the chapter on litigation. A considerable amount of the material on linear scheduling was developed by Greg Hanby, Phil Nelson, Brendan Kennedy, and H. C. Phillips. Dr. Robert Shawcroft contributed significantly by providing me with some scheduling class notes that eventually became part of this text. Most of all, I must thank my good friend John Gambatese, who served as my mentor as the second edition evolved. He reviewed the manuscript for grammatical correctness and made many suggestions for changes and improvements in the second edition. This version of the text is a true credit to him. Of course, as in the first edition, Chapter 9 is wholly his contribution.

Finally, I would like to thank the reviewers of this edition for their helpful comments and suggestions: Zohar Herbsman, University of Florida; Charles R. Glagola, University of Florida; David Leo Lickteig, Georgia Southern University; H. Rocky Gerber, University of Washington; and Ahmad Hadavi, Northwestern University.

Users Review

From reader reviews:

Joshua Arwood:

This Construction Planning and Scheduling (4th Edition) book is just not ordinary book, you have after that it the world is in your hands. The benefit you get by reading this book is definitely information inside this reserve incredible fresh, you will get data which is getting deeper anyone read a lot of information you will

get. That Construction Planning and Scheduling (4th Edition) without we realize teach the one who examining it become critical in contemplating and analyzing. Don't become worry Construction Planning and Scheduling (4th Edition) can bring whenever you are and not make your bag space or bookshelves' turn into full because you can have it with your lovely laptop even cell phone. This Construction Planning and Scheduling (4th Edition) having great arrangement in word as well as layout, so you will not feel uninterested in reading.

Ernestine Miller:

The guide with title Construction Planning and Scheduling (4th Edition) includes a lot of information that you can find out it. You can get a lot of profit after read this book. This particular book exist new information the information that exist in this guide represented the condition of the world now. That is important to you to learn how the improvement of the world. This book will bring you with new era of the internationalization. You can read the e-book with your smart phone, so you can read this anywhere you want.

Carole Garner:

That publication can make you to feel relax. This kind of book Construction Planning and Scheduling (4th Edition) was colourful and of course has pictures around. As we know that book Construction Planning and Scheduling (4th Edition) has many kinds or variety. Start from kids until teens. For example Naruto or Investigation company Conan you can read and feel that you are the character on there. Therefore not at all of book tend to be make you bored, any it offers up you feel happy, fun and unwind. Try to choose the best book in your case and try to like reading which.

Paul Simpson:

A lot of guide has printed but it is different. You can get it by net on social media. You can choose the most beneficial book for you, science, witty, novel, or whatever through searching from it. It is called of book Construction Planning and Scheduling (4th Edition). You can add your knowledge by it. Without leaving behind the printed book, it might add your knowledge and make an individual happier to read. It is most crucial that, you must aware about publication. It can bring you from one destination for a other place.

Download and Read Online Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze #EOY4RIGU896

Read Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze for online ebook

Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze books to read online.

Online Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze ebook PDF download

Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze Doc

Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze MobiPocket

Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze EPub

EOY4RIGU896: Construction Planning and Scheduling (4th Edition) By Jimmie W. Hinze