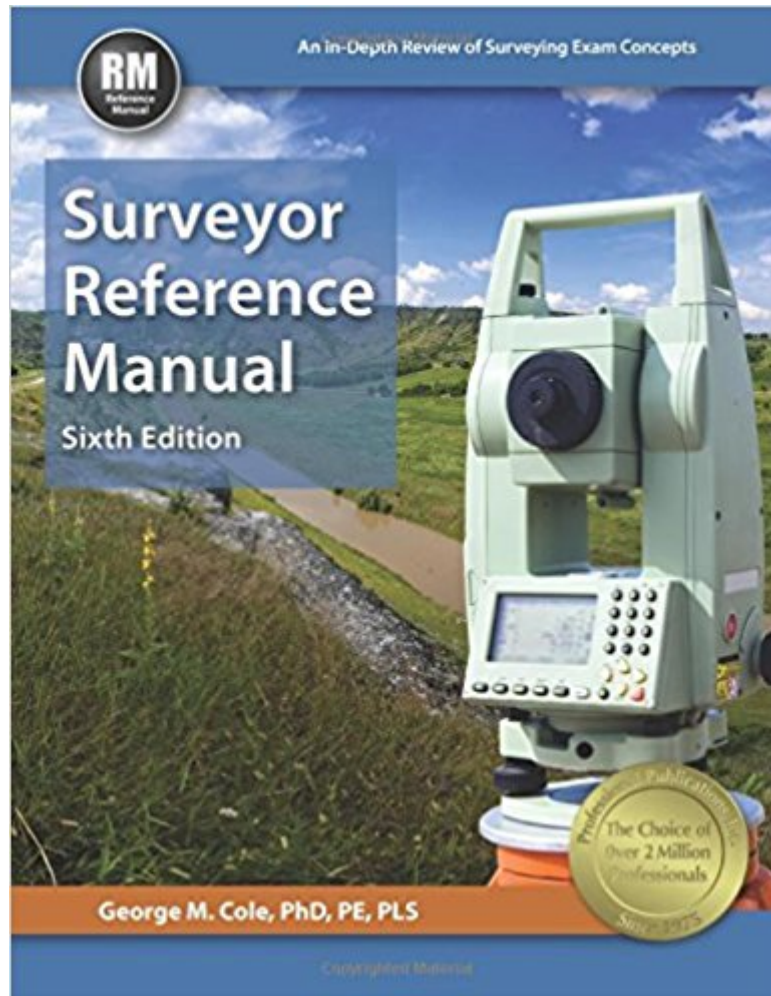




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Surveyor Reference Manual, 6th Ed



Synopsis

An In-Depth Review of Surveying Exam Concepts
Surveyor Reference Manual
Sixth Edition
The Surveyor Reference Manual is the most comprehensive book for the NCEES Fundamentals of Surveying (FS) exam. Its time-tested organization and clear explanations start with the basics to help you quickly get up to speed on common surveying concepts. Together, the 44 chapters provide an in-depth review of FS exam topics, and introduce many subjects covered on the Principles and Practice of Surveying (PS) exam. The extensive index contains more than 1000 entries, with multiple entries included for each topic, so you'll find what you're looking for no matter how you search. This book features: 10 appendices containing essential support material over 220 practice problems to build your problem-solving skills over 120 common surveying terms defined in an easy-to-use glossary hundreds of equations, figures, and tables industry-standard terminology and nomenclature example problems that demonstrate how to apply the concepts presented
The Surveyor Reference Manual is a popular textbook for surveying courses, and after you pass your exam, it will continue to serve as an invaluable reference throughout your surveying career.
Topics Covered
Aerial Mapping
Algebra and Trigonometry
Basic Sciences
Boundary Law, Cadastral Law, and Administration
Business Law
Computer Operations and Programming
Data Adjustment
Economics
Field Data Acquisition and Reduction
Finance
Geodesy
Geodetic Survey Calculation
Geographic Information Systems (GIS)
Graphical Communication, Mapping
Higher Math
Land Development Principles
Laser Scanning
Management
Measurement Analysis
Photo/Image Data Acquisition and Reduction
Plane Survey Calculation
Probability and Statistics
Survey Astronomy
Survey Planning Process and Procedures
Written Communication

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Customer Reviews

This is the most up-to-date version of this text. For instance, the section on aerial mapping has been expanding from the earlier editions. Therefore, if you have one of those earlier editions, it may be well worth the investment to upgrade to this newest version. (This is especially true for university libraries updating their reference section and for professors using this text as a supplement to their classes). While seemingly a hefty price, this text is invaluable to those preparing for the Fundamental (FS) Surveying Exam. This massive text is, by all means, comprehensive. Now, this is also suitable for those studying for the Principles and Practice of Surveying (PS) exam. Still, the author does caution that "it may not be suitable as a stand-alone guide for all portions of the PS" (intro). So, if this is your current situation, be certain to supplement your studies with other texts also. What I like about the text is that it not only prepares one for the exam itself, but demystifies the process (which can radically diminish the anxiety that accompanies these exams). If you have not spoken with others who have taken this exam, try to invest time in the introduction. You will learn that your exam will be unique to you (i.e. the test-taker next to you will NOT have the same exam that you have), that you are permitted to review problems BUT not permitted to jump ahead to specific problems, and the interface contains a pop-up scientific calculator. By reading this section, there will be fewer surprises. You will, most assuredly, feel more confident in entering the exam. (Still, as a professor, I have had to take many such exams ... and, I know for a fact that it will also help to speak with some folks who have already been through the process.

First off, this is a thorough and well laid out book. It's chocked full of math problems and examples and starts from the bare basics and quickly moves on to the complicated concepts in a well laid out methodical fashion. Let me tell you what I found in the hopes that it'll help you decide whether this book is for you. It's softbound (I received a softbound copy but that might be that's because its an evaluation copy -- the product page clearly reads hardbound) so to me it has has the feel of a study guide or even a textbook. WHAT THIS IS (to me)- It's a great test preparation book -- it covers all the concepts very well and is very up to date technologically- It's a great "reference" if you're going to be sitting at home planning and preparing for a certain type of work WHAT THIS IS NOT (to me)- It's not really a field reference guide in my opinion (and in its defense, I don't think it's meant to be one)

--- a field reference to me is a spiral bound, thick paged, tabbed book that has a lot of shortcuts and laid out in a fashion to really help you get your work done fast -- This book is not that, it feels like a workbook with lots of text and a lot of math problems ranging from simple to the standard math that surveyors use (the cover is full color but the inside is black and white) It is thorough and well laid out but its meant to be comprehensive and detailed and it has sample problems etc -- so its mean to help you prepare (for the test or for a real job but not so much in the field). You can use it as a reference but I wouldn't go out to the job site unprepared and expect this to help you quickly get things done with this thing....

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