



Surveyor Reference Manual, 6th Ed

By George M. Cole PhD PE PLS

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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
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Surveyor Reference Manual, 6th Ed By George M. Cole PhD PE PLS Bibliography

- Sales Rank: #113303 in Books
- Published on: 2014-12-09
- Original language: English
- Number of items: 1
- Dimensions: 11.00" h x 1.06" w x 8.50" l, 2.80 pounds
- Binding: Paperback
- 556 pages

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Editorial Review

About the Author

George M. Cole, PhD, PE, PLS, is a practicing surveyor whose assignments have ranged from surveying remote areas of the Arctic to participating in the first worldwide satellite geodesy program. He holds a bachelor of science degree from Tulane University and a master of science degree and doctorate from Florida State University. In addition to authoring PPI's Fundamentals of Surveying Practice Exam and the Principles and Practice of Surveying Practice Exam, Dr. Cole has contributed articles to Point of Beginning magazine and published a guide to the legal and technical aspects of water boundaries. He has recently served as a visiting professor of surveying at the University of Puerto Rico and currently teaches at Florida State University.

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