



Surveying with Construction Applications: Global Edition

By Diane K. Slattery Barry Kavanagh

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The complete, up-to-date guide to modern surveying for construction and engineering -- now with additional review coverage of all relevant math.

Known for its state-of-the-art coverage and clear, concise approach, *Surveying with Construction Applications, Eighth Edition* covers the latest advances and foundational principles of surveying. Covering both principles and a wide range of contemporary applications, it is well-suited to Fundamentals courses, Applications courses, or both. Revisions focus on recent improvements in instrumentation technology, field data capture, and data processing, describing how these change the way surveyors interact with construction professionals and engineers. The authors emphasize sound measurement technique and accurate documentation throughout. To overcome the limited math skills brought by many new students, they have added an easy-to-read math review chapter, preparing students for all relevant construction layout computations.

Teaching and Learning Experience

This book will help surveyors master all the modern skills, techniques, and technologies they need to work effectively with construction professionals and engineers:

- **Thoroughly presents all the general surveying principles and techniques students need:** Begins with eleven chapters walking through surveying fundamentals, distance measurement, computations, satellite positioning, geomatics, and much more -- including a brand-new math review chapter for students with limited math background
- **Links principles and techniques to contemporary applications in the construction of most civil projects:** Addresses a wide range of surveying applications, from highways and streets to pipelines, tunnels, bridges, culverts, and buildings
- **Provides extensive hands-on practice, strong pedagogy, and valuable professional reference resources:** Includes updated laboratory exercises, efficient features for review, useful reference appendices, up-to-date web links,

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