

# Guidance to Geometrical and Physical Geodesy

With the release of *Introduction to Geometrical and Physical Geodesy: Foundations of Geomatics*, ESRI Press has added a technical offering to its list of academic titles. The book introduces the fundamentals of geodesy, using the earth's gravitational field to determine a location's exact height, then projecting this three-dimensional information into the two-dimensional realm of cartography.

"In searching for a textbook for my own classes, I felt that the existing geodesy books were either too basic or too advanced," says author Thomas H. Meyer, associate professor in the Department of Natural Resources and the Environment at the University of Connecticut. "My goal for this book is to introduce the concepts of geometrical and physical geodesy at a scope and level that geomaticians are likely to encounter in their practice."

Intended for students of geodesy, geographic information systems (GIS), remote sensing, engineering, natural resources, and earth sciences, the book simplifies geodetic formulas related to surveying. As a professional reference, it demonstrates how practical problems can be solved by geodetic theory. Detailed examples throughout the book illustrate practical applications of the formulas, and 10 of the 11 chapters end with representative problems for the reader to solve as a means of reinforcing the concepts and methods learned.

*Introduction to Geometrical and Physical Geodesy: Foundations of Geomatics* (ISBN: 9781589482159, 260 pages, hardcover, USD99.95).

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