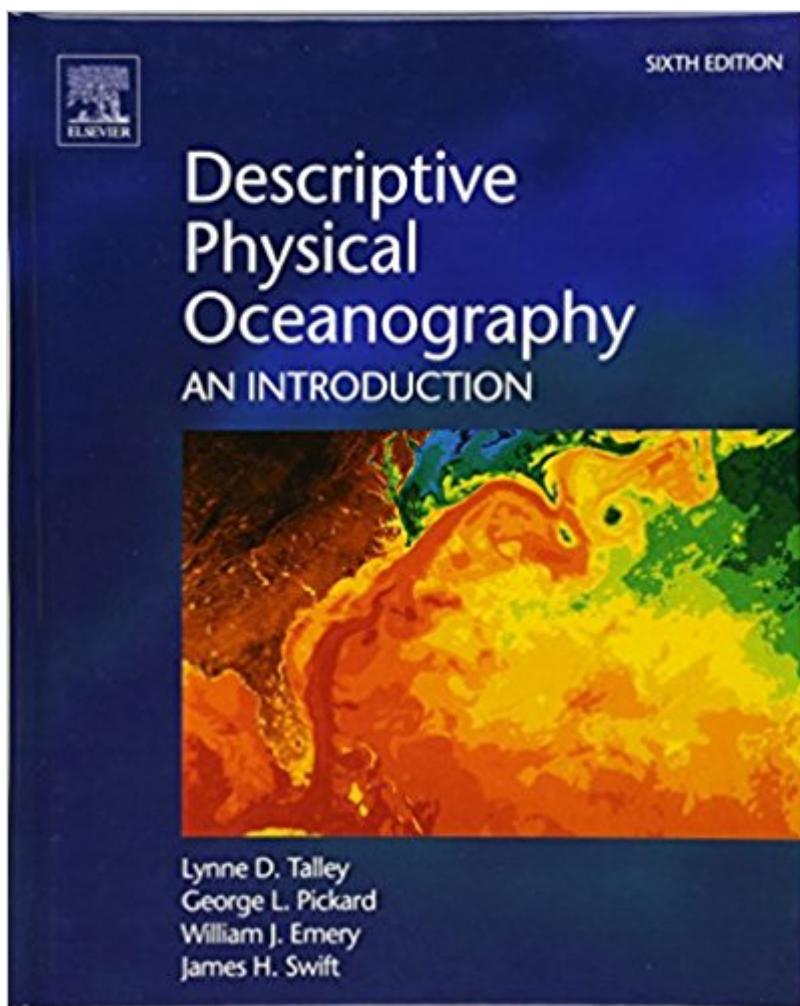


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Descriptive Physical Oceanography, Sixth Edition: An Introduction



Synopsis

Descriptive Physical Oceanography, Sixth Edition, provides an introduction to the field with an emphasis on large-scale oceanography based mainly on observations. Topics covered include the physical properties of seawater, heat and salt budgets, instrumentation, data analysis methods, introductory dynamics, oceanography and climate variability of each of the oceans and of the global ocean, and brief introductions to the physical setting, waves, and coastal oceanography. This updated version contains ocean basin descriptions, including ocean climate variability, emphasizing dynamical context; new chapters on global ocean circulation and introductory ocean dynamics; and a new companion website containing PowerPoint figures, lecture and study guides, and practical exercises for analyzing a global ocean data set using Java OceanAtlas. This text is ideal for undergraduates and graduate students in marine sciences and oceanography. Expanded ocean basin descriptions, including ocean climate variability, emphasizing dynamical context. New chapters on global ocean circulation and introductory ocean dynamics. Companion website containing PowerPoint figures, supplemental chapters, and practical exercises for analyzing a global ocean data set using Java OceanAtlas. --This text refers to the Paperback edition.

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Customer Reviews

The sixth edition of Descriptive Physical Oceanography provides an introduction to descriptive physical oceanography for advanced undergraduates and graduate students. The emphasis is on large-scale oceanography, based mainly in observations, with some topics from waves and coastal oceanography also included. Topics include the physical properties of seawater, heat and salt

budgets, instrumentation, data analysis methods, introductory dynamics, oceanography and climate variability of each of the oceans and of the global ocean, and brief introductions to the physical setting, waves, and coastal oceanography. Expanded ocean basin descriptions, including ocean climate variability, emphasizing dynamical context. New chapters on global ocean circulation and introductory ocean dynamics. Companion Web site containing PowerPoint figures, supplemental chapters, and practical exercises for analyzing a global ocean data set using Java OceanAtlas.

Read a Sample Chapter from Descriptive Physical Oceanography Schematic of optical processes in seawater. Adapted and simplified from Mobley (1995), with added indicators of seawater heating and photosynthesis, as well as satellite observation of ocean color. Read more about the "Physical Properties of Seawater" from Descriptive Physical Oceanography

"This book and ancillary web-based appendices are a valuable reference for the modern-day seabird ecologist, providing a wealth of baseline information and serving as a language guide for describing physical oceanography. I highly recommend this updated classic text on descriptive physical oceanography."--Marine Ornithology Volume 40, No. 1, 2012

I am a graduate student who works in Earth remote sensing. This book covers a wide variety of topics in physical oceanography, and is a good introduction/reference for the subject. I still refer back to it during my research, and it gave me the information I needed to look more deeply into selected topics covered by the text. If you're looking to learn about sound and light in the sea, water masses in the oceans, heat transfer, and other topics you should consider getting this book, or seeing if your library carries it. One thing to note is that the in-text images are B&W. This isn't a major issue however, because the end of the book has a color image section containing all of the figures (this was done to lower the cost of the text). It was a slight annoyance to have to go to the back to see some color images, but it doesn't take away from the book's content and usefulness. I would recommend this book to a fellow graduate student in oceanography or Earth remote sensing, and to any undergraduates in oceanography looking to learn more about physical oceanography.

The book came so quickly in the mail! Very pleased with the sender! The book is great for my classes and contains so much useful information!

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