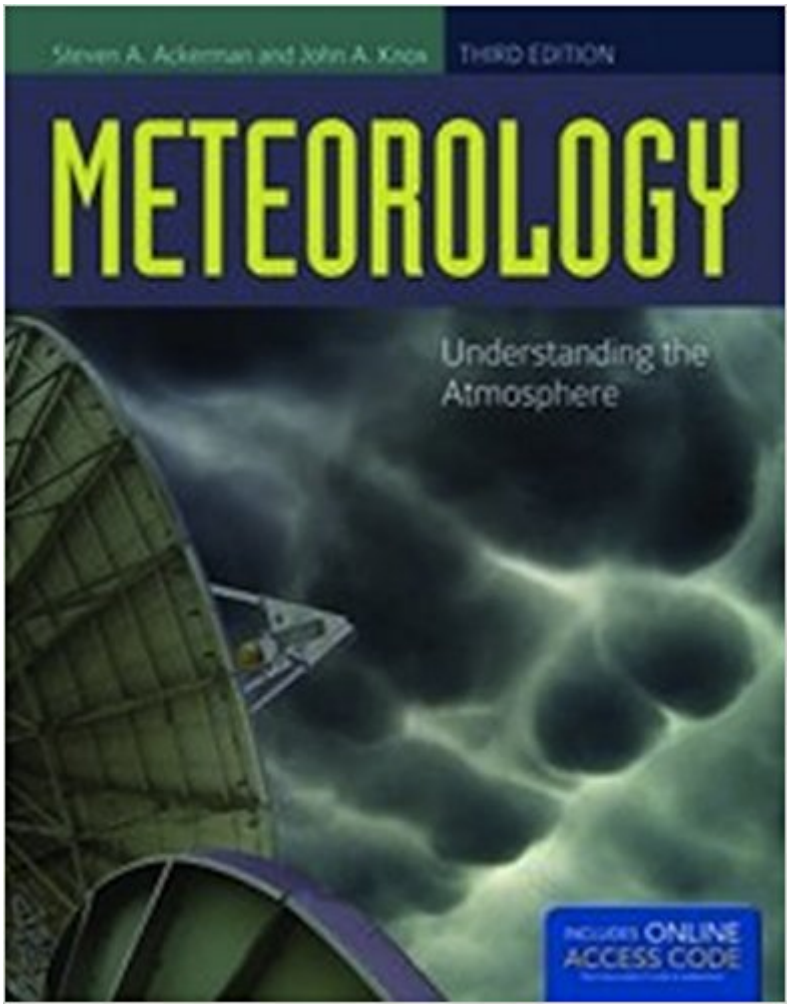
Meteorology: Understanding The Atmosphere



Synopsis

Every new copy of this title includes an online access code to the Meteorology, Third Edition Interactive Study Guide. Written for the undergraduate, non-majors course, the Third Edition engages students with real-world examples and a captivating narrative. It highlights how we observe the atmosphere and then uses those discoveries to explain atmospheric phenomena. Early chapters discuss the primary atmospheric variables involved in the formation of weather: pressure, temperature, moisture, clouds, and precipitation, and include practical information on weather maps and weather observation. The remainder of the book focuses on weather and climate topics such as the interaction between atmosphere and ocean, severe/extreme weather, and climate change.

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Customer Reviews

Steven Ackerman is Professor of Atmospheric and Oceanic Sciences at the University of Wisconsin, Madison, and is Director of the Cooperative Institute for Meteorological Satellite Studies (CIMSS). He received his Ph.D. in Atmospheric Sciences at Colorado State University. Ackerman’s research interests center on understanding how changes in the radiation balance affect and are affected by changes in other climate variables such as clouds, aerosols, water vapor, and surface properties. These feedback mechanisms are studied using a compliment of theoretical models and observations. He has been actively involved in a number of meteorological projects and programs, including the Moderate Resolution Imaging Spectroradiometer, the Earth Radiation Budget Experiment, the International Satellite Cloud Climatology Program, and the NOAA Global Climate Change Program. Renowned for his ability to inspire active student participation in his classes,

Ackerman has won numerous teaching and academic awards, including the 1999 Chancellor's Award for Distinguished Teaching (University of Wisconsin) and the 2000 Teaching and Learning with Technology Grant (University of Wisconsin). Ackerman is also a member of the University of Wisconsin Teaching Academy.John Knox is currently Assistant Research Scientist and Lecturer in the Department of Biological and Agricultural Engineering at the University of Georgia. In addition to his teaching experience at the University of Georgia, Knox has also taught meteorology at Valparaiso University and Barnard College of Columbia University. A National Science Foundation Graduate Research Fellow in meteorology at the University of Wisconsin, Madison, and Rhodes Scholar finalist, he received a B.S. summa cum laude in mathematics in 1988 from the University of Alabama at Birmingham and a Ph.D. in atmospheric science in 1996 from the University of Wisconsin-Madison. He was a post-doctoral fellow in climate systems at Columbia University in conjunction with the NASA/Goddard Institute for Space Studies (NASA/GISS) in New York City. Knox has been very active in geoscience education, with articles published in the Bulletin of the American Meteorological Society, the Journal of Geoscience Education, Mathematical Geology, The Physics Teacher, and the Journal of College Science Teaching, for which he has also served on JCST's Board of Advisors. His research in atmospheric dynamics includes journal articles on Rossby waves, non-linear balance, clear-air turbulence, and cyclone-induced windstorms, and is currently supported by NASA. --This text refers to an alternate Paperback edition.

Introductory college course textbook. Older edition, but for armchair weather channel folks who want to know what is really going on it is ideal. The gee-whiz, tornados are cool, approach seen in most "weather" books is notebly and thankfully absent. The reader must work at understanding each chapter, after all it is a freshman in college course text, but for many the effort is well worthwhile.

Excellent, interesting, easy to understand college textbook. Perfect for someone like me, a biologist, who has always wanted to better understand meteorology. My husband really likes the book, too.

Exactly what I ordered. I will use for reference for when I start teaching. Excellent source for classroom projects and for students to use.

AMAZED by the cheap price, my school was selling this for $100+ and I got it on here for $9

Required text for an introduction to meteorology course I am taking. price was significantly less

than that of the school bookstore.

This is a great book for those interested in Meteorology, but who don't have the strong physics and calculus foundation. I would definitely pair this book with an Atmospheric Science book since that way, you understand both the physics and concepts of meteorology. Strongly recommended for climate science beginners.

I ordered this book for a class that I was taking. I was a little leery about buying books online, as I had never done that before, I had always went to the school's bookstore and purchased my books for my classes. I was extremely relieved to get the correct books at such a huge savings it was unbelievable. I saved over half the cost of buying my books from the school bookstore. I find it incredible that can offer such great deals, while the schools that are getting our tuition are charging so much. Every book was in wonderful condition, as promised, many were new, never opened by another human hand, and still fifty percent cheaper. I don't ever plan on purchasing books through a school bookstore again. This book itself was very informative, easy to read and understand, and one that I would highly recommend for anyone wanting to learn more about how the weather works, what the clouds mean, and how to watch the weather to be self prepared for what is or isn't coming. Thanks for providing me a reduced price book that allowed me to ace my class and learn so much about the weather.

The book came in great condition, the book breaks down everything you will need for a basic understanding of this subject.

Atmosphere, and Space Spectral Imaging of the Atmosphere, Volume 82 (International Geophysics) Water and Atmosphere: The Lifeblood of Natural Systems (Natural Resources) Atmosphere: A Scientific History of Air, Weather, and Climate (Discovering the Earth) Atmosphere And Weather (Weather and Climate) Cannon Beach: The Art, Cuisine, History and Atmosphere of Oregon's Favorite Coastal Village Chasing the Storm: Tornadoes, Meteorology, and Weather Watching (Nonfiction - Young Adult) 7 Subject Science Portfolio - Minecraft & The Real World: Ages 10 to 17 - Biology, Chemistry, Geology, Meteorology, Physics, Technology and Zoology ... Thinking Tree - Research Guide) (Volume 1) Meteorology: The Study of Weather (True Books: Earth Science (Paperback))