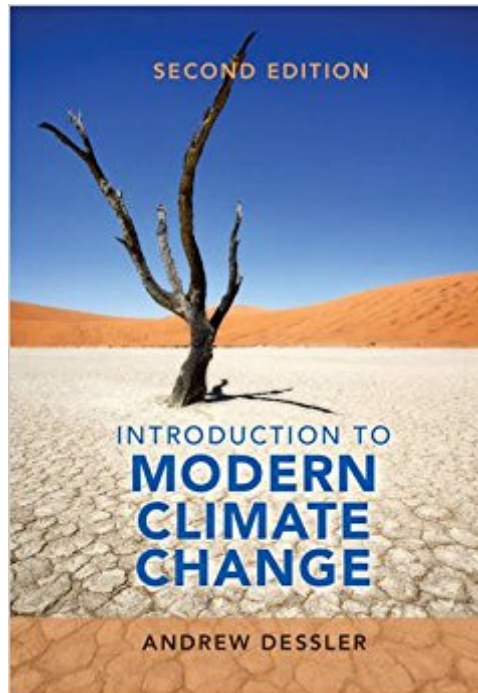




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Introduction To Modern Climate Change



Synopsis

This is an invaluable textbook for any introductory survey course on the science and policy of climate change, for both non-science majors and introductory science students. The second edition has been thoroughly updated to reflect the most recent science from the latest IPCC reports, and many illustrations include new data. The new edition also reflects advances in the political debate over climate change. Unique amongst textbooks on climate change, it combines an introduction to the science with an introduction to economic and policy issues, and is tightly focused on anthropogenic climate change. It contains the necessary quantitative depth for students to properly understand the science of climate change. It supports students in using algebra to understand simple equations and to solve end of chapter problems. Supplementary online resources include: a complete set of PowerPoint figures for instructors, solutions to exercises, videos of the author's lectures, and additional computer exercises.

Book Information

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Customer Reviews

"I'm delighted to see an updated edition of Dessler's textbook; the new edition reminds me why I liked the book so much in the first place. I used the first edition for my climate literacy courses for first-year non-science majors, as I was so impressed with its simple and compelling coverage of the science of climate change, and, just as importantly, its social and political context. The students loved the book - some even commented that it was the first time they had actually understood and enjoyed reading a science book. The revised version brings the book completely up to date, and will ensure it remains my number one recommendation for an introductory text on climate change."

Steve Easterbrook, University of Toronto "Dessler's book is written so clearly that anyone can read it and understand the major issues in climate change. It hits just the right balance between rigor and comfort, making the whole topic more appealing and accessible to students." Deborah Lawrence, University of Virginia "I have used the first edition of Dessler's book in several classes for non-science majors. The contents of the text were well-chosen from the vast amount of information available. The presentation is at an appropriate mathematical and scientific level for these classes. Students liked the text. The second edition includes updates from recent assessments (IPCC AR5 and the 2013 Social Cost of Carbon Update) and I look forward to using it." James C. Wilson, University of Denver

Review of previous edition: "Professor Dessler's book is written for 'undergraduate non-science majors'. He must believe in the impossible - that he can bring a topic as complex as climate change into focus for students with little background in science. However, I must say that Professor Dessler has succeeded. Students who read this book will achieve a level of understanding of climate change that they may, first, 'engage in an informed debate of public policy'; second, understand the deep significance of Climategate; and third, explain and act upon the recent explosion of public interest in climate change." Ted Munn, University of Toronto

Review of previous edition: "The text provides a readable, concise summary of the science of climate change, but it is the nonscientific aspects of the book that set it apart ... a well-crafted textbook. The writing is very accessible without being too simplistic. The combination of a broad overview of the science and policy of climate change is both novel and appropriate for ... an introductory-level survey course on climate change. Reading the book was a learning experience for me, and I would happily recommend this book to anyone seeking an introduction to climate change." Guillaume Mauger, Bulletin of the American Meteorological Society

Review of previous edition: "The book reads extremely well: it uses stories, analogues, and examples to draw the reader into the story of the science of our changing planet. Despite the complexity of the actual science, Dessler presents the material in a clear manner and does it without drawing on mathematics any more difficult than simple algebra ... I recommend this book for anyone interested in learning more about climate change and the challenges it presents to humanity." Donald J. Wuebbles, Physics Today

Review of previous edition: "At last, a textbook about the scientific basis for global climate change that's well balanced, well written, highly illuminating, and accessible to non-science majors." John M. Wallace, University of Washington

Review of previous edition: "Understanding the challenges of climate change requires an understanding of the relevant science, economics and policy. However, existing introductory textbooks focus on only one of these disciplines, and there is a need for books covering all aspects. This textbook fills this void. Dessler has done an excellent job of clearly describing the

different issues of climate change in a way that will be accessible to both science and non-science majors. I can see this book becoming the standard textbook for the growing number of introductory courses that discuss both the science and policy of climate change." Darryn Waugh, Johns Hopkins University
Review of previous edition: "Andy is a natural teacher and writer with such an ease of presentation that he makes complex subjects accessible by his clever use of everyday analogies. Climate change is a subject that [he] cares about passionately, and he really cares about his reader as well. [This] book provides an expert's exposition of climate change in all its facets ... written primarily as a textbook, it also provides excellent reading for any layperson ..." Gerald R. North, Texas A&M University

An invaluable textbook for any introductory survey course on the science and policy of climate change, for both non-science majors and introductory science students. The second edition has been thoroughly updated with the most recent science from the latest IPCC reports, and reflects advances in the political debate.

Just what was needed.

Andrew Dessler is the right guide for this task. This well-informed, up-to-date book provides the basics, the arguments and controversies, the politics, and why scientists are telling us to pay attention. There's some math, but Dessler explains it well.

Had this for intro to climate science. Excellent writing, very informative, organized and concise. Cheaper than the average textbook, slim and lightweight.

My daughter used this for her climatology class this semester.

Dr. Dessler provides excellent and up-to-date treatment of both the science and policy aspects of climate change. Although written as a textbook, the work can be recommended to the general reader with a strong interest in the subject matter. A prior background in physics is not required, but a working knowledge of basic algebra is assumed. A good feature is Dr. Dessler's skillful use of analogies with familiar concepts to elucidate some of the more recondite points of the physics and economics of climate change. There are problem sets at the chapter ends, with only a minority of the problems requiring numerical calculation. Solutions to the problems are not included.

great product

The book came in perfect condition just as described. Thank you!

Perfect

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