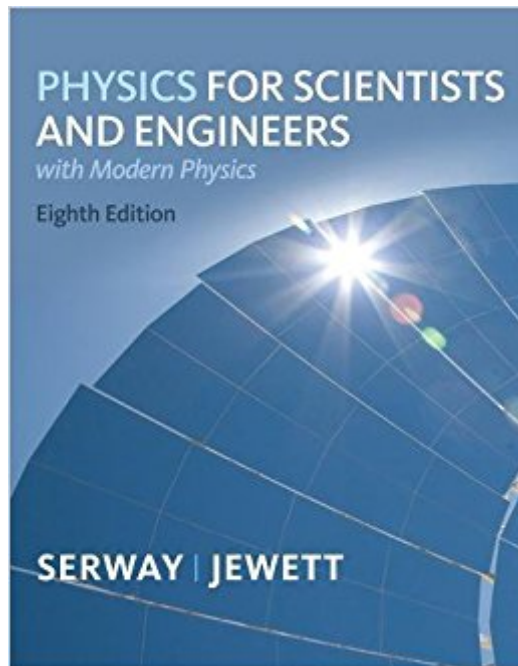




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# Physics For Scientists And Engineers With Modern, Chapters 1-46



## Synopsis

Achieve success in your physics course by making the most of what PHYSICS FOR SCIENTISTS AND ENGINEERS has to offer you. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course!

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## Customer Reviews

Raymond A. Serway received his doctorate at Illinois Institute of Technology and is Professor Emeritus at James Madison University. In 2011, he was awarded an honorary doctorate degree from his alma mater, Utica College. He received the 1990 Madison Scholar Award at James Madison University, where he taught for 17 years. Dr. Serway began his teaching career at Clarkson University, where he conducted research and taught from 1967 to 1980. He was the recipient of the Distinguished Teaching Award at Clarkson University in 1977 and the Alumni Achievement Award from Utica College in 1985. As Guest Scientist at the IBM Research Laboratory in Zurich, Switzerland, he worked with K. Alex Müller, 1987 Nobel Prize recipient. Dr. Serway also was a visiting scientist at Argonne National Laboratory, where he collaborated with his mentor and friend, the late Sam Marshall. In addition to PHYSICS FOR SCIENTISTS AND ENGINEERS, Dr. Serway is the coauthor of PRINCIPLES OF PHYSICS, Fifth Edition; COLLEGE PHYSICS, Ninth

Edition; ESSENTIALS OF COLLEGE PHYSICS; MODERN PHYSICS, Third Edition; and the high school textbook PHYSICS, published by Holt McDougal. In addition, Dr. Serway has published more than 40 research papers in the field of condensed matter physics and has given more than 60 presentations at professional meetings. Dr. Serway and his wife Elizabeth enjoy traveling, playing golf, fishing, gardening, singing in the church choir, and especially spending quality time with their four children, nine grandchildren, and a recent great-grandson. John W. Jewett, Jr., earned his undergraduate degree in physics at Drexel University and his doctorate at Ohio State University, specializing in optical and magnetic properties of condensed matter. Dr. Jewett began his academic career at Richard Stockton College of New Jersey, where he taught from 1974 to 1984. He is currently Emeritus Professor of Physics at California State Polytechnic University, Pomona. Through his teaching career, Dr. Jewett has been active in promoting science education. In addition to receiving four National Science Foundation grants, he helped found and direct the Southern California Area Modern Physics Institute (SCAMPI) and Science IMPACT (Institute for Modern Pedagogy and Creative Teaching). Dr. Jewett's honors include the Stockton Merit Award at Richard Stockton College in 1980, selection as Outstanding Professor at California State Polytechnic University for 1991-1992, and the Excellence in Undergraduate Physics Teaching Award from the American Association of Physics Teachers (AAPT) in 1998. In 2010, he received an Alumni Lifetime Achievement Award from Drexel University in recognition of his contributions in physics education. He has given over 100 presentations both domestically and abroad, including multiple presentations at national meetings of the AAPT. Dr. Jewett is the author of THE WORLD OF PHYSICS: MYSTERIES, MAGIC, AND MYTH, which provides many connections between physics and everyday experiences. In addition to his work on PHYSICS FOR SCIENTISTS AND ENGINEERS, he is the coauthor for PRINCIPLES OF PHYSICS, Fifth Edition, as well as GLOBAL ISSUES, a four-volume set of instruction manuals in integrated science for high school. Dr. Jewett enjoys playing keyboard with his all-physicist band, traveling, and collecting antique quack medical devices that can be used as demonstration apparatus in physics lectures. Most importantly, he relishes spending time with his wife Lisa and their children and grandchildren.

I rented this book. It was in good condition (yay for no highlighting!). I think the material was presented very well and I liked how they put side comments to help you grasp the information. They also provided tips on how to approach problems and "conceptualize". There are answers in the back for ODD (i.e., 3,5,7, etc) homework problems. I only wish that they would provide answers for conceptual and objective questions, and that for some of the book examples, that they be more

detailed (just on \*some\* of them). Overall, good book and you can tell they made an effort to help you understand.

I never took AP Physics in High school, and this book seems to teach with the assumption that the reader has some sort of conceptual understanding of basic physics. The book provides a minimum of descriptions and examples given for any given concept. The book usually just asserts physics concepts as existing, giving equations to model these concepts, but not going into much depth on them, ultimately leaving the reader, (at least myself) with a conceptual gap and unable to apply the given formulas in a practical way since I can't identify "when" to use the formulas. For instance, Newton's 2nd and 3rd Laws get a whole page each. Seems like something so fundamental to physics should get a more thorough treatise. Perhaps the reason for the lack of depth is that this book is used for Physics 201, and 202. I'd prefer two books of equivalent mass to this book, each with double the subject depth.

very well written, easy to follow!

I've used this text for two semesters of physics and will be using it again for a third. It's basically just very well written and has great examples and homework problems. I also like how it explains common misconceptions and I like that it doesn't separate the explanation of the topic from the derivation of the actual formula. The only thing I don't like is what my instructor mentioned at the beginning of the first physics course which is that the authors seem to update it every couple years so you might end up having to buy the next edition before you're done with all three semesters of physics.

Useful text that explains the material with a lot of problems to work out and better understand material. Would be better if online companion actually helped solve problems instead of trying to sell you stuff.

Came in great condition, the first few pages read seem pretty well structured.

I purchased the Serway/Jewett Physics for Scientists and Engineers Textbook 7th Edition to aid in my understanding of the core concepts in Physics. I have always found the Serway/Jewett series of Physics textbook to offer the greatest material in terms of helping one individual understand the

fundamental meanings of the basic concepts of such a complicated subject. I am a physics major currently enrolled at my local community college taking Physics with Calculus I during this write-up. Our course is using the Halliday/Resnick 8th Edition Textbook. I have found that the Halliday/Resnick series offers greater homework problems whereas the Serway/Jewett series offer better conceptual understanding of the meanings and formulas. I have occasionally found myself referring back to Serway/Jewett when trying to understand the derivations of certain formulas found in Halliday/Resnick because their explanation or derivation is somewhat lacking. I am sure you would agree if you compare the two textbooks. Anyhow, I would highly recommend this textbook as a "supplement" textbook in gaining a better understanding of the concepts whereas I would recommend the Halliday/Resnick series for better applications of the concepts.

If I'm ever instantly and inexplicably transported back in time this is one of the three books I hope I have on me. You would literally be a wizard if you had this book with you in medieval or neolithic times. Imagine how much more advanced the human race would be if a lone engineering student got transported back in time with this book. My "stuck in time" book list: "Physics for Scientists and Engineers," "John Seymour's New Complete Guide to Self-Sufficiency," "Edible Wild Plants" by Steven Kallas.

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