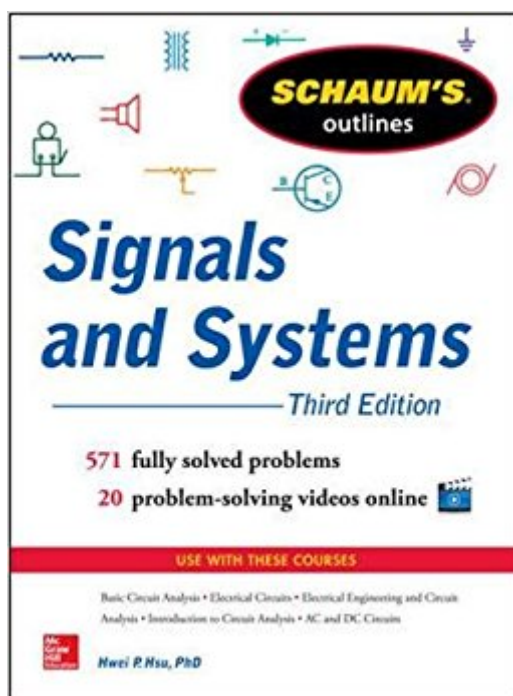


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# Schaum's™ Outline Of Signals And Systems, 3rd Edition (Schaum's Outlines)



## Synopsis

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately, there's Schaum's. This all-in-one-package includes more than 550 fully solved problems, examples, and practice exercises to sharpen your problem-solving skills. Plus, you will have access to 20 detailed videos featuring instructors who explain the most commonly tested problems--it's just like having your own virtual tutor! You'll find everything you need to build confidence, skills, and knowledge for the highest score possible. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you 571 fully solved problems Bonus material on matrix theory and complex numbers Support for all the major textbooks for signals and systems courses Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's™ to shorten your study time--and get your best test scores! Schaum's Outlines--Problem Solved.

## Book Information

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## Customer Reviews

Hwei P. Hsu was a professor of electrical Engineering at Fairleigh Dickinson University. He has published several books which include Schaum's Outline of Analog and Digital Communications and Schaum's Outline of Probability, Random Variables, and Random Processes.

S&S is the infamous "make the cut class" in EE that determines if many undergrads will "make it" in further studies, or change majors. More recently, with the addition of non deterministic topics, S&S also has expanded its influence into applied mathematics, physics, of course electronics/communications, and many other sciences. I have the old first 1995 edition, as well as 2010, and here are the differences:

1. The biggest PRINT change is between 95 and 10 (1 and 2 ed.), where two chapters, an appendix and moderate supplemental web material were added to expand the topic from deterministic to stochastic. An appendix was added on probability, and chapters on random signals and linear responses to random variable inputs.
2. This new addition includes all the old difference equation problems from the 90's, but of course does slightly update the stochastic material. Most of the 2010 edition is intact here, and I could only find a small sprinkling of "new text" additions (Schaum's tries to follow the top ten EE texts to supplement their problems with many additional examples). If this is for self study, you could probably get away with 10. However, the difficulty in getting this new edition is now ending at this writing and says shipping should no longer be a problem, and for the price...
3. The really big value add for 2014 are the videos. The 20 online problem solutions are extremely intuitive and thorough, certainly much more so than any of the major texts (Oppenheim and Chen being the most used, but Chaparro's Matlab text being key in today's PC driven environment--(Signals and Systems using MATLAB)). The 2010 links are now gone, but the 2014 videos are far superior due to the animation. The only (mild) disappointment is that Schaum didn't add computing, code, software examples, etc. between these latest two editions, but I understand it, this 500 pager with low cost newsprint would double in size if they got into code. There ARE several new sections (called "bonuses") on matrices, which are pretty much the foundation for all the computed/ CAS solutions and math software packages. All the more reason to check out Chaparro, or your favorite Math/stats package. Some better schools even have signals and systems apis for Excel. Finally, there is a great intro to circuit analysis which often today is moved to a separate course due to the amount of time that now has to be spent on not only Laplacians and Fourier transforms, but even Lagrangians today. Highly recommended to supplement the frankly weak example content of many of the most popular, and indeed painful, texts in use today. Won't make it easy, but will make it a lot easIER!

This book is a life-saver compared to my textbook for Signals and Systems Analysis. It is only a study aide, however, so don't expect this book to replace your textbook. The Schaum's book's explanations in the chapters are very brief. The real benefit of this book comes from the numerous

examples that are provided for each topic. Detailed proofs and theories will need to be researched through sources other than this text.

What this book is: An excellent and massive set of practice problems with complete solutions, and an exhaustive overview of the material. It is an excellent supplementary text for signals or circuits classes. What this book is not: A textbook. This is not meant to be the primary book out of which you learn a subject. It gives little to no context or explanation, and does not serve as a stand-alone text unless you're only interested in mastering the mechanics of the subject.

This book is very helpful for anyone struggling in this subject. It helps explain Signals and Systems in a normal language and not the jargon that textbooks like to use. Also it has tons of solved examples to help one understand the topic that is being discussed. If you need to pass this course and the professor doesn't teach or you don't understand the topic, this is a must buy!

Pretty good book. Required through my Linear signals class and explains it better than my professor in my opinion.

Helpful for my Signals and Systems class at the University of Houston, however not much dialogue for people seeking instruction on how to go across problems. If you want to see work done, and only the work done on a question; this is the book for you.

This book is very clear and well written, at least from what I have read for my class. We've been jumping around the chapters. This book has very good explanations.

This has it all. Great book for continuous and discrete time domain. Transforms for each of the domains described. Great pre-DSP BOOK. Must have for EE.

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