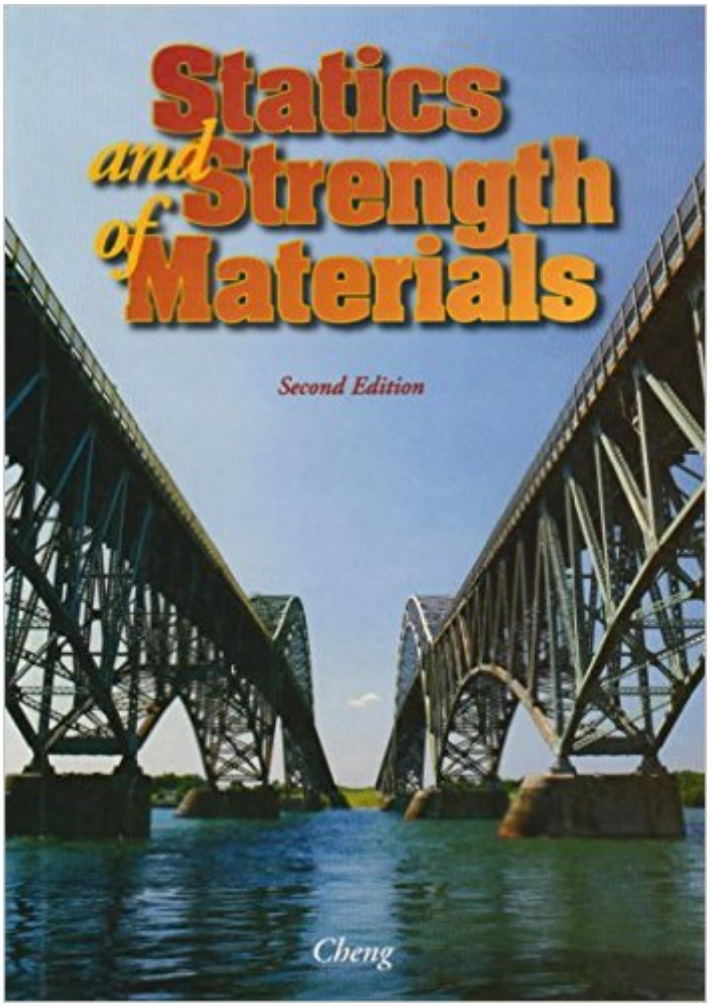
Statics And Strength Of Materials



Synopsis

The new edition of this easy-to-understand text, designed for a non-calculus course in statics and strength of materials, requires only a working knowledge of algebra, geometry, and trigonometry. In addition to expanded coverage and better organization of information, it addresses new topics such as accuracy and precision, solution of simultaneous equations, rolling resistance, mechanical properties of materials, composite beams, reinforced concrete beans, plastic analysis of beams, design of shear connectors, and more.

Book Information

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Average Customer Review: 3.4 out of 5 starsÂ Â See all reviewsÂ (23 customer reviews)

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Customer Reviews

As a college instructor, I try to choose texts based on quality, but with consideration of price. I thought this book was a good compromise, but wish I had kept my previous text. This has way too many errors for a 2nd edition, and has received considerable critisism from my students for being hard to follow. There are better choices out there.

I have taught using this text for 10 years at our local community college in an engineering technology program.It is written clearly and concisely with excellent examples for all major concepts. The tables and appendices are easy to understand.The answer key text clearly show the solutions and is also good for exams. The book covers both semesters material for statics and strength of materials so a second text book is not required.This text is algebra based and is appropriate for those students needing an introduction. Serious students seeking higher level engineering

education should select a calculus based text instead. Being a professional engineer as well as an adjunct faculty is a plus for teaching these classes. Unless you are an engineer you may be at a handicap if you attempt to teach this subject.

I have used the first edition and was generally pleased. The second edition, however, is unacceptable. The rewrite added a few interesting and a few less useful topics. The problems at the end of each section were changed but the answer key referred, in many cases, to the the first edition. Sometimes the solutions were large deviations from the stated problem. There were occasional proof reading errors, far too many for a major text. The students were frequently frustrated in their efforts to justify the answer to the problem as stated.

Book is good for current Statics class. Instructor occasionally assigns problems that are not in the book due to certain chapters and sections not being completely relevant to current class. Overall book is good.

Presently, I am a student who is taking an Applied Statics class that is structured around this book. The teacher lectures directly from the book. In my experience in all of academia, have never encountered a book so utterly useless and vague. It does not provide any clear direction, it provides an equation, and an answer, but no means to get between the two. The explanations, if available, are laughable. I am using resources courtesy of various search engines and online posts from help sites that provide a more thorough explanation of processes involved. The book itself does not appear of been updated in at least my lifetime. I understand that the concepts remain the same, but update and do a more thorough job of explaining the processes involved, and the equations needed.If you are a student and your statics class uses this book, do yourself a favor and drop the class, and try to substitute, you will never encounter a text more infuriating than this.

I am really not sure how to rate a textbook, however it is an assigned book for the course of the sam name and apparently recognized as the standard for the industry. So in that regard, it is what it should be. My hope is that I get an "A" in the course and if it helps me achieve that, then I'll rate it 5 stars!

This is by far, the worst text book I have ever used. It is impossible to understand anything that this book is trying to say. A better use for this book would be fire starting paper, or toilet paper.

First off, I'm about a month into the class with this book as the textbook. I have to say this book is downright evil. I can't follow any of the examples to see where the numbers come from, what the symbology means or why any of the math works the way it does. The book gives the reader 1 example for about 10 very different situations per chapter. So if I'm doing a problem from the end of the chapter, I get, essentially, maybe 1 example from the reading that is remotely similar to the problem to instruct me on what to do, but again, the reading does not decode anything. A good analogy would be this: I give you 2 egyptian hieroglyph and I tell you what they mean and how they work together in 1 limited hypothetical situation, now you decode the rest of the language. This book seems to have been written for people who already understand the subject and don't need to have anything broken into smaller, easier to digest pieces.I've had to, on several occasions, dig out the books for the 2 technical math classes I've already taken, to find examples of how the equations and formulas should work but there are only a few situations where I can do that. So I'm usually just stuck.The irony is that the program I'm in is Mechanical Drafting and my teachers tell me that the entire point to the program is to communicate ideas and concepts, but then they pick books like this where I can't decipher 9/10's of the math.

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