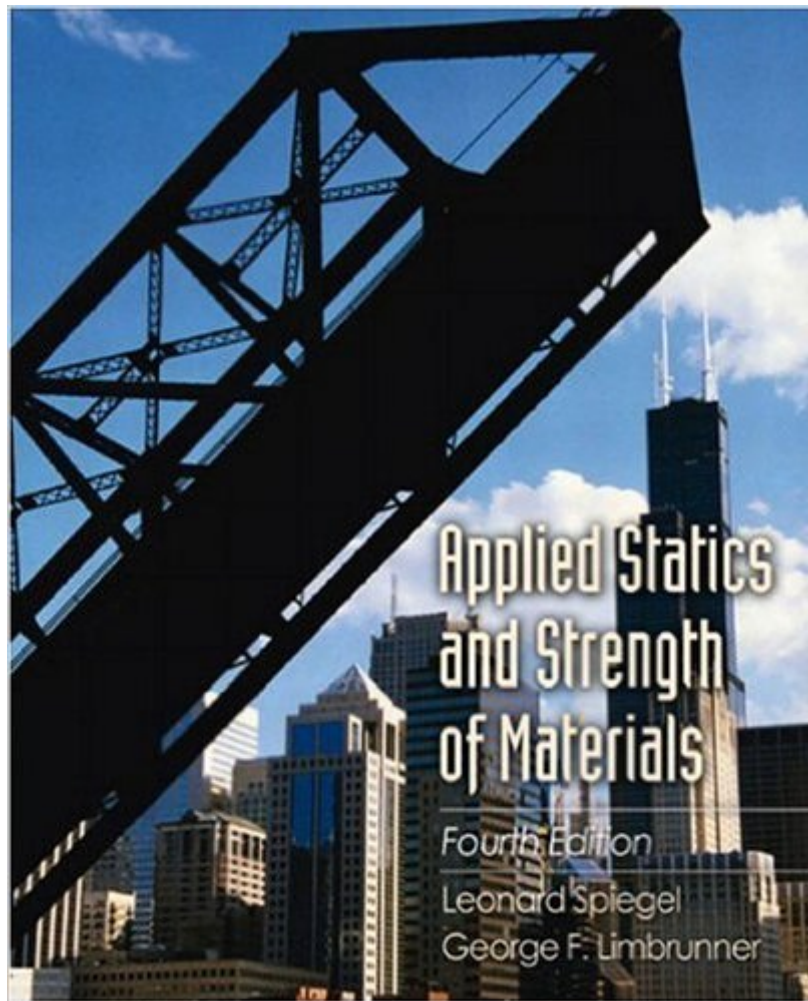


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# Applied Statics And Strength Of Materials (4th Edition)



## Synopsis

For one/two-semester, undergraduate-level courses in Statics and Strengths of Materials, Strength of Materials, and Engineering Mechanics in the disciplines of Engineering Technology. Focusing on the fundamentals of material statics and strength, this text presents a non-Calculus-based, elementary, analytical, and practical approach, with rigorous, comprehensive example problems that follow the explanation of theory and very complete homework problems that allow students to practice the material. The goal of the text is to provide students with the necessary mechanics background for more advanced and specialized areas of study in the many fields of engineering technology--e.g., civil, mechanical, construction, architectural, industrial, and manufacturing.

## Book Information

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## Customer Reviews

This book covers fundamental statics concepts that are required for thermodynamics, strength of materials and many other engineering concepts. I personally have a hard time understanding statics when trying to learn from this book, there is a decent amount of examples in each section but some concepts are "skipped" when explaining examples simply because the author assumes you already understand certain Algebra/geometric concepts. If you do not understand a concept or method STOP and redo the section before moving forward! you cannot skip or fail and continue learning statics well, every concept builds on the last. My biggest problem with this text book is that the rental I received was beyond damaged, and with no time to return and get a different copy (class had already started) I was forced to use a book with torn binding, missing pages and heavy abuse. I've

attached pictures of the book I received from rentals. I've also attached a picture of the number of times this book was rented out, I could count at least 9 stock tags.

This book is just okay. The book has fairly good explanations of the ideas, but in the "step by step" examples, they don't always tell you what they're doing. I don't know if they're just assuming I'll catch it, but if you're trying to figure out how to do the problem, it's sometimes very hard to understand how they get what they do. My college professor doesn't like this book for that reason either, but I guess there's not much to choose from in this area...And there ARE answers to the odd numbered questions in the back of the book, which helps.

The book was ordered new but it arrived damaged. The front cover has a torn in it. I expect more from . I would return it if I didn't need it at the moment. Will not order books from again. Otherwise the book content was good and it was the correct book and arrived on time.

I had to purchase this book for a class and it is a great introductory book. The book is non calc based so not everything is covered but if you need to communicate with an engineer and learn engineering terminonlogy this is the book for you. Several topics are covered such as simple truss anaylsis and load distribution as well thermal effects on building materials. Material testing regulations and standards are also discussed. There are many more topics covered that can put you on track when communicating with an engineer. I am a carpenter and communicating with engineers is sometimes an everyday event. Knowing engineering basics helps tremedously.

I had read a few reviews that said the book was bad... But it was the course material book so what can you do? If at all possible find an alternative to this book. The concepts are not clear or precise and the examples are not fully explained. Unless you are very competent with math and logic leaps, this is not a great source for learning.

I have used this and a few other books for a combined statics/strengths class and this is about the best one available. It is easy to read, if you are a college level reader and gives very concise and completed work examples. In my class, I teach about half of the statics and half the strengths, enough to size a beam and that's all we need. This book does a great job at that. For those with problems with the book: \*It is easy to read if you know how and are at a college level \*technical\* level of reading. \*Answers to all ODD problems are in the back of the book. They are not worked out

problems, true, but they are answers. (For me, I provide fully worked out answers to all problems I assign.)\*There are many problems in each chapter. Often the problems seem to go beyond what the chapter covers. I'd say not true. With understanding of the material the advance problems are just the next step. That said, your teacher/professor can go beyond the text to cover the more advanced problems in the book easily.

The shipment was ahead of scheduled delivery date. The condition of the book was great, it is like brand new. The book is clear and understandable. It has plenty of examples to help explain the different problems and how to work them out. Overall I am very satisfied with the purchase.

This book presents complicated problems in an easy to follow step by step manner. Calculus is not required to work the problems. An excellent reference or text.

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