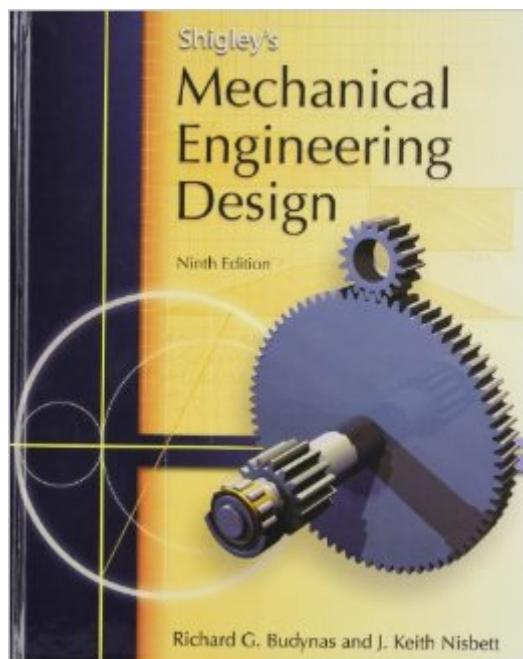


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# Shigley's Mechanical Engineering Design (McGraw-Hill Series In Mechanical Engineering)



## **Synopsis**

Shigleyâ™s Mechanical Engineering Design is intended for students beginning the study of mechanical engineering design. Students will find that the text inherently directs them into familiarity with both the basics of design decisions and the standards of industrial components. It combines the straightforward focus on fundamentals that instructors have come to expect, with a modern emphasis on design and new applications. The ninth edition of Shigleyâ™s Mechanical Engineering Design maintains the approach that has made this book the standard in machine design for nearly 50 years.

## **Book Information**

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## **Customer Reviews**

The kindle version of this book is properly awful. I am shocked that released this book in the .azw format and not the .azw4 format (which is basically a .pdf). The .azw4 format would have made this much better: like looking at the printed book. The .azw format ruins it, makes the page break in awkward places, and the kindle application does not allow you to scroll continuously. DO NOT BUY OR RENT THE KINDLE VERSION OF THIS BOOK.

I purchased this book, not because it was required for school, but as I was trying to prepare for job interviews, I realized a lot of topics that this book covered, I had minimal knowledge of. I went through it a bit and realized that there were many subject areas that I thought were simpler were indeed more complicated. I am now employed full time as a mechanical engineer, and anytime I

have a question on something like gear design, failure analysis, fatigue life, and so forth, this book is my first stop. This book is easily the most used "textbook" at my work place.

I bought this book to keep on my tablet thinking that it would be a convenient way to take notes and read while in the classroom. After the first homework submission, my professor called me into his office and asked where I obtained the assigned homework problems. I showed him my edition, and he compared it to the physical 9th edition. Apparently none of the problems in the electronic 9th edition are the same as the physical 9th edition. (ok, some of them are the same, but most of them are not) Honestly, I feel robbed. I expected better from , and from the Publisher. Book prices are outrageous enough on top of tuition costs. To end up with a book that has the same title and edition, but is not the same within the pages is ethically wrong. If you are looking to buy this book as a class requirement, it is NOT the same book as the physical 9th edition.

No clear readable text. Jumps from equations to complex problems without any explanation. All the assumptions in this textbook would take years of study to understand and to make a smooth transition through the chapters. Beware of international editions being sold on here as well.

This book is good, but there are a number of problems that I have with it. First, the writing within the text is sometimes too dense, technical and not straight forward enough for the undergraduate engineering student, making it hard to read. Second, there are not enough footnotes and/or annotations for students to make connections between the different equations, which, in fact, do relate to each other. Last, there is the problem with application of gear design to CAD programs, which renders the chapter on gear design useless to the student. In short, this class is all about who is teaching from the text and not the text because of the flaws mentioned above. However, the book does have concrete, clear examples of the application of properties and equations in the text.

Very informative if you're well-versed in technical literature. Paragraphs are very precise, but also very dense. This might make it difficult for the average engineering undergrad to get to the bottom of key concepts. I'd recommend this more as a reference for professionals who already have a background in the mechanics of machine elements rather than as a primary resource for students just learning the subject. The latter group may feel like this book makes things much more complicated than they really are.

I bought this because it was a recommended supplement for the Mechanical Engineering PE exam, listed in both the MERM and in online blogs as a must have if you are taking the Mechanical Design Depth PM portion. If I could return it I would, unlike the MERM or even the Machine Design Handbook this book lays out examples in what I consider an often confusing way. I tried using it as a reference but I literally spent an hour trying to unravel an example in this book because so many vital steps were skipped. I'll lug this along with me but If I end up digging into this book then I know I'm going to a 'hail mary.' I've referenced the Machine Design handbook a few times doing practice problems but mostly I've been just fine with the MERM. Honestly, unless you used this as an undergrad and are familiar with it I would probably save the money and the weight in your bag. Great for theories and one question on the NEECs sample exam referenced this book but I doubt I'd be able to 1. Find what I need 2. Understand it 3. Apply it in less than 10 minutes or even an hour. For that reason I wouldn't buy it again for the PE exam. We'll see what I say after I take it....

It is a cheaper form of a great standard text. The pages are a very thin paper that is not made for long term wear. If just starting a technical career, I suggest buying the more rugged standard text unless you feel the need to replace it every few years, which most people don't.

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