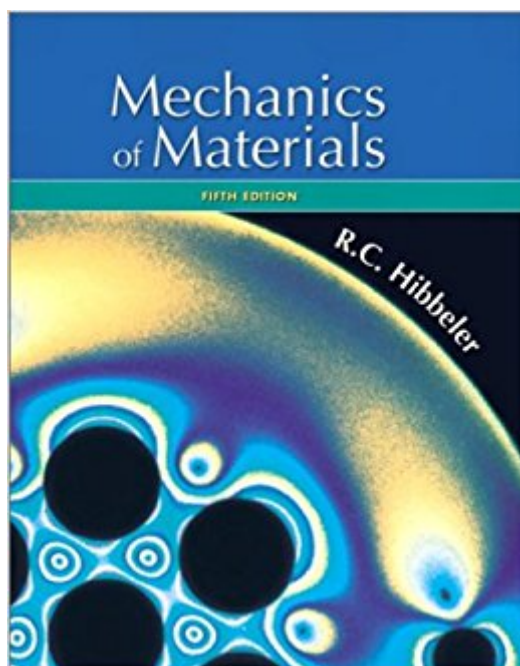


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# Mechanics Of Materials (5th Edition)



## Synopsis

This text provides a clear, comprehensive presentation of both the theory and applications of mechanics of materials. It examines the physical behavior of materials under load, then proceeds to model this behavior to development theory. Stress. Strain. Mechanical Properties of Materials. Axial load. Torsion. Bending. Transverse Shear. Combined Loadings. Stress Transformation. Strain Transformation. Design of Beams and Shafts. Deflections of Beams and Shafts. Buckling of Columns. Energy Methods. For engineers interested in updating their knowledge of mechanics of materials.

## Book Information

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“This text describes the major challenge from the classical beam theory, and then presents the transformation method, plus a few examples. I think the author’s presentation style is very systematic and clear.” L.R. Xu, Vanderbilt University

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“The author has done an excellent job conveying the concepts. The textbook is easy to follow

and all the ideas are clearly presented.â•â” Yabin Liao, Arizona State University âœVery detailed examples; beautiful and clear art work; lots of problems; and a very good coverage of all the basic concepts.â•â” Yabin Liao, Arizona State University âœThe author presents the material as an introduction to the solution of real world design and analysis problems without sacrificing the theoretical basis of each topic.â•â” John F. Oyster, University of Pittsburgh âœThis is one of the premier books for teaching strength of materials.â•â” Julio Ramirez, Purdue University âœPresentation (first rate), instructor resources, and quantity of examples and problems are the top features of this book.â•â” Julio Ramirez, Purdue University --This text refers to an alternate Hardcover edition.

This text provides a clear, comprehensive presentation of both the theory and applications of mechanics of materials. The text examines the physical behavior of materials under load, then proceeds to model this behavior to development theory. The contents of each chapter are organized into well-defined units that allow instructors great flexibility in course emphasis. A highly respected instructor and prolific author, R.C. Hibbeler combines a fluid writing style, cohesive organization, outstanding illustrations, and dynamic use of exercises, examples, and free body diagrams to help prepare tomorrow’s engineers. --This text refers to an alternate Hardcover edition.

**BE AWARE OF THE PAPERBACK VERSION !!! THIS IS AN INTERNATIONAL CHEAP EDITION THAT IS PRINTED IN BLACK AND WHITE IN INDIA! THIS IS COMPLETE WASTE OF MONEY SINCE IT DOES NOT CONTAIN THE TABLES THAT YOU WILL NEED FOR THIS COURSE.**

Absolutely great deal! Especially because this textbook was shipped out right away. Someone on the other end was considerate enough to be aware that my college student could use the textbook sooner than later. We could not be more happy with the product or the service. Thank you!

Note: this is the soft cover version. I noticed someone complaining that they didn’t know so I thought I’d throw that in. That said, since it is the soft cover version, it does not come with the handy spreadsheet listing known moduli that are kinda needed to do the problems. On top of that, the book is in black and white. Now for the most part this doesn’t change a thing, but there are several problems that are quite hard to read because of this. Upside is that it’s significantly cheaper than the hardcover!

This book, like the Hibbeler books in Statics and Dynamics was rather straight and to the point, which is great for engineering classes. The book was, overall, very focused on applications and showed many examples. A better coverage of each principle (through talking through the concept a little more) would have, perhaps, assisted the learning process and application. This is only speculation, though. The book taught the given material well, though, and gave both simple and challenging problems to work through. It was an excellent book for an undergraduate class.

perfect

this is some indian version and it doesn't have the important tables necessary for many homework problems

Seller gave poor quality used book, but the information in this book is great. There's a lot of examples and it explains things clear enough. The drawings aren't always correct but they're just for reference anyways.

This book has good problems example. Easy to understand. Even if I am an electrical engineer that needs to know this subject I can learn it without major difficulty. My knowledge with Calculus and engineering mechanic are enough for reading this books.

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