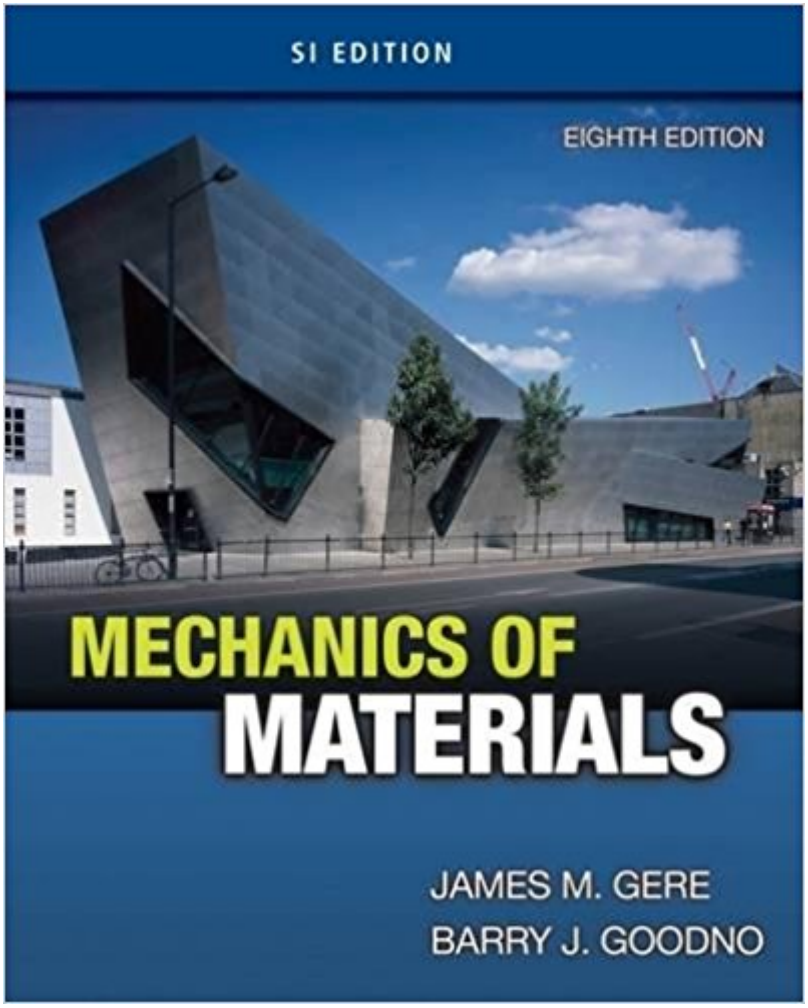
Mechanics Of Materials, SI Edition



Synopsis

The Eighth Edition of MECHANICS OF MATERIALS continues its tradition as one of the leading texts on the market. With its hallmark clarity and accuracy, this text develops student understanding along with analytical and problem-solving skills. The main topics include analysis and design of structural members subjected to tension, compression, torsion, bending, and more. The book includes more material than can be taught in a single course giving instructors the opportunity to select the topics they wish to cover while leaving any remaining material as a valuable student reference.

Book Information

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Customer Reviews

"The authors do and excellent job of discussing the topics at a level I believe will be absorbed by the students. They also make a good effort to highlight the important issues and points in the text by italicizing or bolding. I feel that the author has done an excellent job of relating real structures to solid body analysis techniques, and haspresented and discussed it in a manner that I think students will appreciate.""The homework problems are perhaps the strongest point of the text. The problems cover the waterfront in variety, complexity and coverage. They include numerous examples that are found inthe real world and students can identify with them.""The books strongest feature is the comprehensive coverage and reasonableness of the homework problems in establishing a base of understanding of expected levels of stress, strain, and displacement.""The author has done an excellent job conveying the concepts. The textbook is easy to follow and all the ideas are clearly presented.""This is a detailed overview of undergraduate solid mechanics. It is an excellent book,

and far superior to current texts, which borrowed extensively from Gere."

James M. Gere (1925-2008) earned his undergraduate and master's degrees in Civil Engineering from the Rensselaer Polytechnic Institute, where he worked as instructor and Research Associate. He was awarded one of the first NSF Fellowships and studied at Stanford, where he earned his Ph.D. He joined the faculty in Civil Engineering, beginning a 34-year career of engaging his students in mechanics, structural and earthquake engineering. He served as Department Chair and Associate Dean of Engineering and co-founded the John A. Blume Earthquake Engineering Center at Stanford. Dr. Gere also founded the Stanford Committee on Earthquake Preparedness. He was one of the first foreigners invited to study the earthquake-devastated city of Tangshan, China. Dr. Gere retired in 1988 but continued to be an active, valuable member of the Stanford community. Dr. Gere was known for his cheerful personality, athleticism, and skill as an educator. He authored nine texts on engineering subjects starting with Mechanics of Materials, a text that was inspired by his teacher and mentor Stephan P. Timoshenko. His other well-known textbooks, used in engineering courses around the world, include: Theory of Elastic Stability, co-authored with S. Timoshenko; Matrix Analysis of Framed Structures and Matrix Algebra for Engineers, both co-authored with W. Weaver; Moment Distribution; Earthquake Tables: Structural and Construction Design Manual, co-authored with H. Krawinkler; and Terra Non Firma: Understanding and Preparing for Earthquakes, co-authored with H. Shah. In 1986 he hiked to the base camp of Mount Everest, saving the life of a companion on the trip. An avid runner, Dr. Gere completed the Boston Marathon at age 48 in a time of 3:13. Dr. Gere is remembered as a considerate and loving man whose upbeat humor always made aspects of daily life and work easier.Barry John Goodno is Professor of Civil and Environmental Engineering at Georgia Institute of Technology. He was an Evans Scholar and received a B.S. in Civil Engineering from the University of Wisconsin in 1970. He received M.S. and Ph.D. degrees in Structural Engineering from Stanford University in 1971 and 1975, respectively. He holds a professional engineering license (PE) in Georgia, is a Fellow of ASCE and an Inaugural Fellow of SEI, and has held numerous leadership positions within ASCE. Dr. Goodno is a member of the Engineering Mechanics Institute (EMI) of ASCE and is a past president of the ASCE Structural Engineering Institute (SEI) Board of Governors.

I had bought this book because it was cheaper as an SI version. Luckily the professor assigned his own problems for hw. So the minor differences between this and the non SI version did not matter. (Differences I saw were predominately in the units and the assignment problems/ exercises were

slightly different in terms of numbers.) But overall great and easy explanations of concepts and how to solve problems.

I digitally rented this book after I forgot I bought one for one forth the price. Now I cant contact to refund it and since its so intelligently not considered a rental, so I dont see any way I could actually cancel it!!!

Great book, fast delivery.

Very pleased. Book purchased for my grandson for uni. Excellent condition.

This is a decent strength of materials text but then again i have not compared it any other texts that are available as this one was required.

Didn't realize that it was the international edition but I had another friend that I could do the hw with so that's good!

Surprising number of typos in the book. Between my professor warning our class that several solutions in the back of the book are incorrect, the number of teacher's edition solutions that are incorrect (our professor shows the book solutions on slides when we review our homework), and several typos in the actual text (ex: problem 3.4-6 shows torque D's units as N-m when it should be N*m), I question how effective this book actually is. The theoretical information in the book seems to be correct so far, but a huge part of learning solid mechanics is actually learning how to execute problem solving techniques through large amounts of practice problems. I've seen enough incorrect solutions (in the student version and solutions via my professor) to make myself question every practice problem I do. If my solution differs from the one in the book, I shouldn't have to wonder if I'm right or if the book is right.Educating engineers is a huge responsibility and having poor standards in publishing material for that purpose is irresponsible, not to mention a waste of student's money and time. If you are going to spend money on a textbook, and if you have a choice on which textbook that is, go with one of Hibbeler's, as they actually proofread.

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