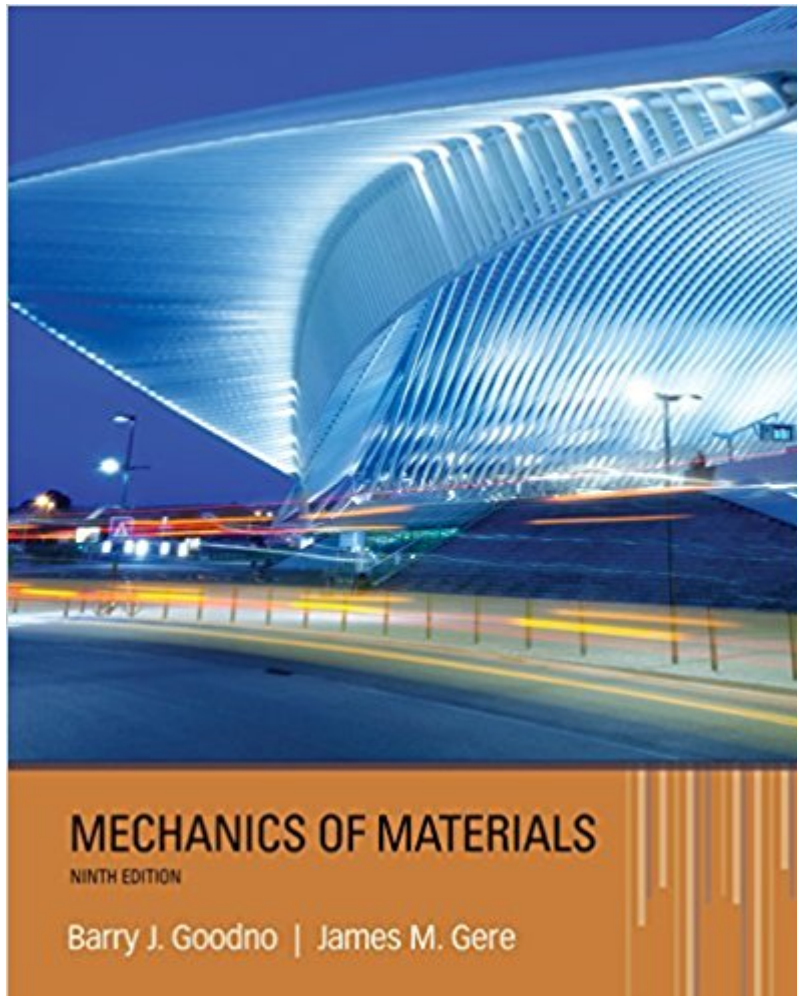


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# Mechanics Of Materials (Activate Learning With These NEW Titles From Engineering!)



## Synopsis

Give students a rigorous, complete, and integrated treatment of the mechanics of materials -- an essential subject in mechanical, civil, and structural engineering. This leading text, Goodno/Gere's MECHANICS OF MATERIALS, 9E, examines the analysis and design of structural members subjected to tension, compression, torsion, and bending -- laying the foundation for further study.

## Book Information

Series: Activate Learning with these NEW titles from Engineering!

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Activate Learning with Goodno/Gere's *Mechanics of Materials* [View larger](#)  
[View larger](#) [View larger](#) [View larger](#) Concise chapter objectives introduce key learning goals. Objectives begin each chapter and direct your attention to the chapter's most important concepts and skills. Examples demonstrate the four-step problem-solving approach. This feature teaches you how to systematically analyze, dissect, and solve structural design problems as well as evaluate solutions to ensure they are reasonable and consistent with solutions to similar problems. Clear explanations clarify concepts. Text includes a wealth of interesting, current, and relevant examples to help you thoroughly explore both the theories and applications within mechanics of materials. Chapters conclude with detailed summary & review. Helpful summaries and review sections highlight all of the important concepts and formulas in the chapter. You can use them as valuable study aids to prepare for mid-term and final examinations.

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"I am very impressed with the graphics, illustrations etc. but the strongest feature is the quality of the examples and the problems." "Good problem sets, excellent explanation, vast coverage." "This book is thorough. The text is well written and is clear. The chapter summaries are concise and helpful. The material covered is important and possesses sufficient depth (and options for instructors to go deeper - such as analysis of non-symmetric cross sections). I like the use of tables (in some cases - such as in Fig 7-32) to neatly compare and describe the differences between approaches (although there could be many more). The examples are well annotated and help with student comprehension." "There is nice breadth and depth in the content and the problems, with a nice combination of theoretical and practical content."

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. 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.

Looks like a good book. Using it this semester.

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