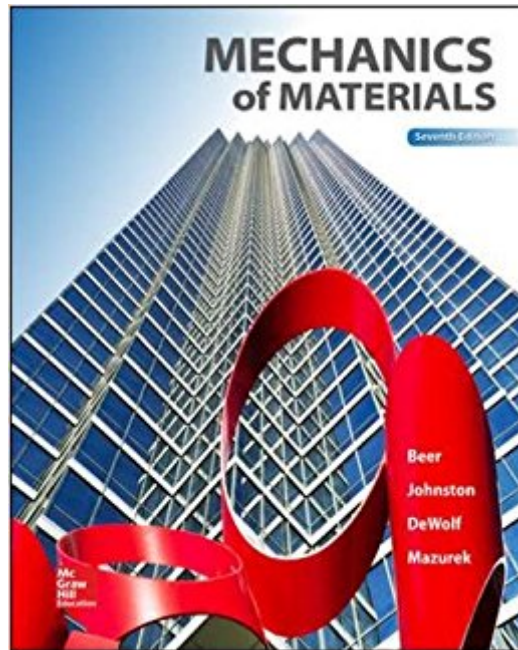


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Mechanics Of Materials, 7th Edition (Mechanical Engineering)



Synopsis

Mechanics of Materials is the uncontested leader for the teaching of solid mechanics. Used by thousands of students around the globe since publication, Mechanics of Materials provides a precise presentation of the subject illustrated with numerous engineering examples that students both understand and relate to theory and application. The tried and true methodology for presenting material gives students the best opportunity to succeed in this course. From the detailed examples, to the homework problems, to the carefully developed solutions manual, instructors and students can be confident the material is clearly explained and accurately represented. McGraw-Hill Education's Connect, is also available as an optional, add on item. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more effective. Connect allows the professor to assign homework, quizzes, and tests easily and automatically grades and records the scores of the student's work. Problems are randomized to prevent sharing of answers and may also have a "multi-step solution" which helps move the students' learning along if they experience difficulty.

Book Information

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Civil Engineering

Customer Reviews

John T. DeWolf, Professor of Civil Engineering at the University of Connecticut, joined the Beer and Johnston team as an author on the second edition of Mechanics of Materials. John holds a

B.S. degree in civil engineering from the University of Hawaii and M.E. and Ph.D. degrees in structural engineering from Cornell University. His research interests are in the area of elastic stability, bridge monitoring, and structural analysis and design. He is a registered Professional Engineer and a member of the Connecticut Board of Professional Engineers. He was selected as the University of Connecticut Teaching Fellow in 2006. David holds a B.S. degree in ocean engineering and a M.S. degree in civil engineering from the Florida Institute of Technology, and a Ph.D. degree in civil engineering from the University of Connecticut. He was employed by General Dynamics Corporation Electric Boat Division for five years, where he provided submarine construction support and conducted engineering design and analysis associated with pressure hull and other structures. In addition, he conducted research in the area of noise and vibration transmission reduction in submarines. He then taught at Lafayette College for one year prior to joining the civil engineering faculty at the U.S. Coast Guard Academy, where he has been since 1990. David is currently a member of the American Railway Engineering & Maintenance-of-way Association Committee 15 (Steel Structures), and the American Society of Civil Engineers Committee on Blast, Shock, and Vibratory Effects. He has also worked with the Federal Railroad Administration on their bridge inspection training program. Professional interests include bridge engineering, railroad engineering, tall towers, structural forensics, and blast-resistant design. He is a licensed professional engineer in Connecticut and Pennsylvania. Born in France and educated in France and Switzerland, Ferd held an M.S. degree from the Sorbonne and an Sc.D. degree in theoretical mechanics from the University of Geneva. He came to the United States after serving in the French army during the early part of World War II and had taught for four years at Williams College in the Williams-MIT joint arts and engineering program. Following his service at Williams College, Ferd joined the faculty of Lehigh University where he taught for thirty-seven years. He held several positions, including the University Distinguished Professors Chair and Chairman of the Mechanical Engineering and Mechanics Department, and in 1995 Ferd was awarded an honorary Doctor of Engineering degree by Lehigh University. Born in Philadelphia, Russ holds a B.S. degree in civil engineering from the University of Delaware and an Sc.D. degree in the field of structural engineering from The Massachusetts Institute of Technology (MIT). He taught at Lehigh University and Worcester Polytechnic Institute (WPI) before joining the faculty of the University of Connecticut where he held the position of Chairman of the Civil Engineering Department and taught for twenty-six years. In 1991 Russ received the Outstanding Civil Engineer Award from the Connecticut Section of the American Society of Civil Engineers.

This is exactly like the sixth edition from the same authors. Save yourself some money and just get the regular edition instead of playing party to the "custom edition" scam. Its so close to the sixth edition that even the page numbers coincide between the two editions. Also, there is no table in the book that has the equations for moments of inertia for common geometric shapes. So, either download it, scan it from another book or reference your statics book because you won't find it here. All the concepts are plenty well discussed and really no different than other authors. Similar in layout to other Beer books (vector mechanics for engineers).

good book ...purchased it for my college son; but unfortunate how publishers continue to have additional editions to raise the price -- I taught this course with this author 30 yrs ago and guess what .. the topics are timeless; at least come in paperback to assist college students and parents with costs. 4 stars b/c of inflated cost practices.

I needed this textbook for my engineering class. I was able to learn pretty well straight from the book. Diagrams throughout the book were very clear. I would have liked to have harder examples instead of just the basics of each chapter but I guess that is not really how textbooks go anyway. But the book was definitely much easier to understand than my teacher so I relied heavily upon it for the semester. Overall I gave the book three stars.

Great Examples

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