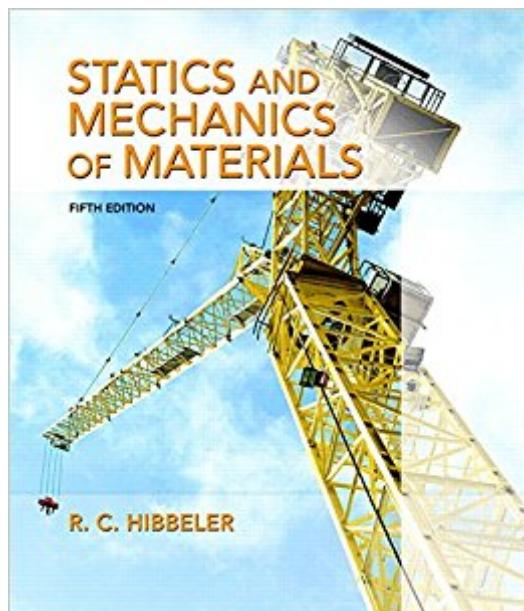


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# Statics And Mechanics Of Materials (5th Edition)



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For courses in introductory combined Statics and Mechanics of Materials courses found in ME, CE, AE, and Engineering Mechanics departments. Â Statics and Mechanics of Materials represents a combined abridged version of two of the authorâ™s books, namely Engineering Mechanics: Statics, Fourteenth Edition and Mechanics of Materials, Tenth Edition. It provides a clear and thorough presentation of both the theory and application of the important fundamental topics of these subjects, that are often used in many engineering disciplines. The development emphasizes the importance of satisfying equilibrium, compatibility of deformation, and material behavior requirements. The hallmark of the book, however, remains the same as the authorâ™s unabridged versions, and that is, strong emphasis is placed on drawing a free-body diagram, and the importance of selecting an appropriate coordinate system and an associated sign convention whenever the equations of mechanics are applied. Throughout the book, many analysis and design applications are presented, which involve mechanical elements and structural members often encountered in engineering practice. Â Also Available with MasteringEngineering â„¢ .

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## Customer Reviews

R.C. Hibbeler graduated from the University of Illinois at Urbana with a BS in Civil Engineering (majoring in Structures) and an MS in Nuclear Engineering. He obtained his PhD in Theoretical and Applied Mechanics from Northwestern University. Professor Hibbeler's professional experience includes postdoctoral work in reactor safety and analysis at Argonne National Laboratory, and structural and stress analysis work at Chicago Bridge and Iron, as well as at Sargent and Lundy in Chicago. He has practiced engineering in Ohio, New York, and Louisiana. Professor Hibbeler currently teaches both civil and mechanical engineering courses at the University of Louisiana at Lafayette. In the past, he has taught at the University of Illinois at Urbana, Youngstown State University, Illinois Institute of Technology, and Union College.

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