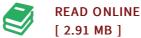




The Essence of Materials for Engineers

By Robert W. Messler

Jones & Bartlett India Private Limited/Viva Books, 2011. Softcover. Book Condition: New. First edition. This text is designed for the introductory, one-semester course in materials science or as a reference for professional engineers. It addresses what is essential for all engineers to know about the relationship between structure and properties as affected by processing in order to obtain all-important required performance. The organization of topics reflects this key interrelationship, and presents those topics in an order appropriate for students in an introductory course to build their own mental-construct or hierarchy. Modern advances in polymers, ceramics, crystals, composites, semiconductors, etc. are discussed with an emphasis on applications in industry Key Features: ? Stresses the use of materials in practical applications using familiar analogies and real-world anecdotes to help explain new concepts? Relates materials science to the chemistry, physics, and mathematics that students are taking concurrently? Organizes the content into parts, and each chapter concludes with a summary to ensure the students? comprehension of key concepts? Uses numerous illustrations to visualize new concepts, while tables collect important information in one convenient construct? Instructor resources are available online and include solutions and Microsoft PowerPoint?? slides Contents: PART 1...



Reviews

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