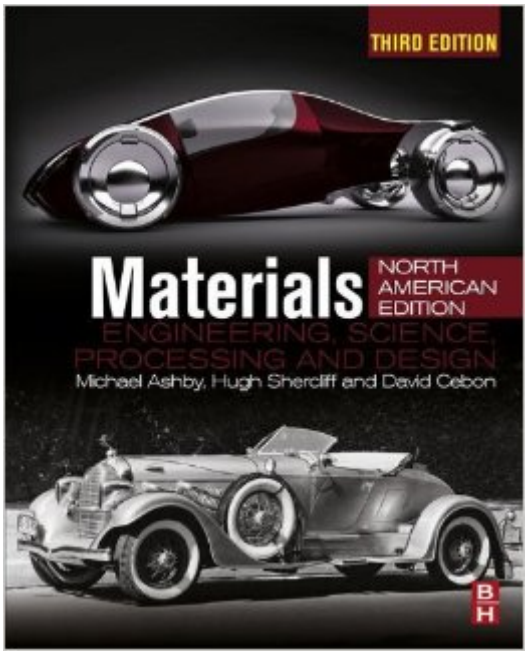
Materials: Engineering, Science, Processing And Design; North American Edition



Synopsis

This is the essential materials engineering text and resource for students developing skills and understanding of materials properties and selection for engineering applications. Taking a unique design-led approach that is broader in scope than other texts, Materials 3e meets the curriculum needs of a wide variety of courses in the materials and design field, including introduction to materials science and engineering, engineering materials, materials selection and processing, and materials in design. This new edition retains its design-led focus and strong emphasis on visual communication while expanding its inclusion of the underlying science of materials to fully meet the needs of instructors teaching an introductory course in materials.Design-led approach motivates and engages students in the study of materials science and engineering through real-life case studies and illustrative applicationsHighly visual full color graphics facilitate understanding of materials concepts and propertiesChapters on materials selection and design are integrated with chapters on materials fundamentals, enabling students to see how specific fundamentals can be important to the design processFor instructors, a solutions manual, lecture slides, online image bank and materials selection charts for use in class handouts or lecture presentations are available at http://textbooks.elsevier.com Links with the Cambridge Engineering Selector (CES EduPack), the powerful materials selection software. See www.grantadesign.com for information NEW TO THIS EDITION: Text and figures have been revised and updated throughoutThe number of worked examples has been increased by 50%The number of standard end-of-chapter exercises in the text has been doubledCoverage of materials and the environment has been updated with a new section on Sustainability and Sustainable Technology

Book Information

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Customer Reviews

Bought this book to use for my college class. I have been using for many years now and this eBook version is terrible. You cannot read the formulas inside the book. Many of the tables and charts are also extremely hard to read. I have used Kindle for many years now and this book is by far the worst quality I have seen.

One of the worst textbooks I've ever used for a class--so many typos and exercise mistakes. It would be nice to have a brief answer key in the back for certain problems. Plus, it is very bulky.

I bought this book for a material science class, the book was horrible for the math section, no defining variables in equations and dropping numbers in proofs, DO NOT GET THIS BOOK,

Dental Materials, 11e (Anusavice Phillip's Science of Dental Materials) Phillips' Science of Dental Materials (Anusavice Phillip's Science of Dental Materials) North Korea: The Definitive Guide to Understanding the Hermit Kingdom (history of Korea, division of Korea, real north Korea, escape from North Korea, kim jong un, kim jong il, nuclear weapons) Neotectonics of North America: Decade Map Volume to Accompany the Neotectonic Maps, Part of the Continent-Scale Maps of North America (Geology of North America) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Ceramic Processing and Sintering (Materials Engineering) Hot Rolling of Steel (Manufacturing Engineering and Materials Processing) Laser Processing of Engineering Materials: Principles, Procedure and Industrial Application