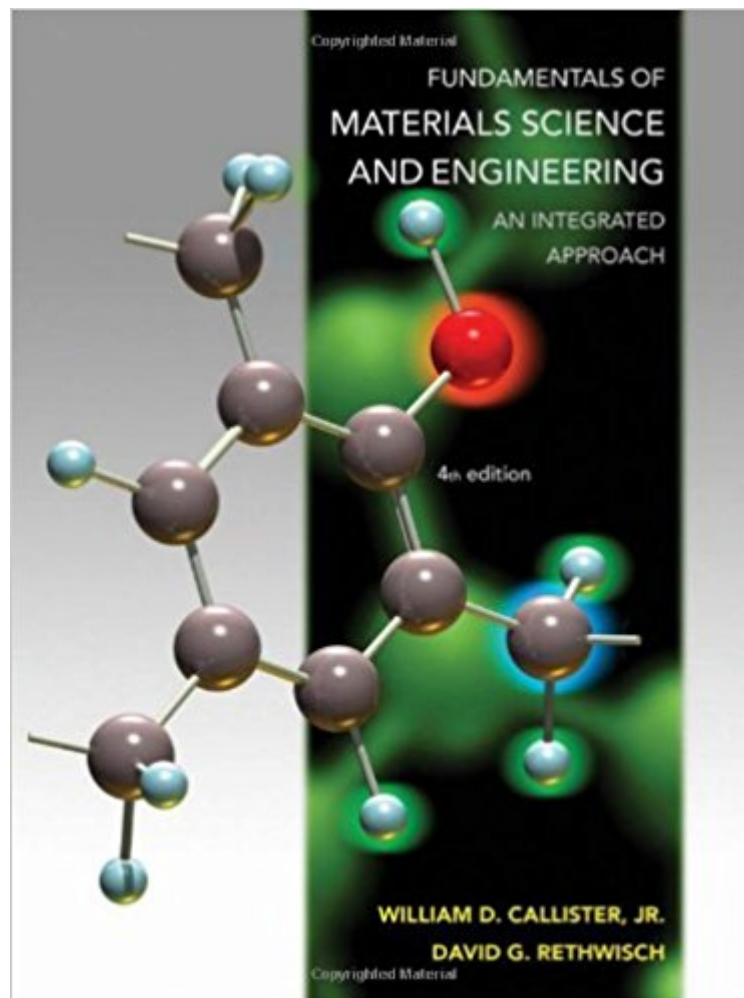




Ebook Directory
the best source of ebook

The book was found

Fundamentals Of Materials Science And Engineering: An Integrated Approach



Synopsis

Callister and Rethwisch's Fundamentals of Materials Science and Engineering 4th Edition continues to take the integrated approach to the organization of topics. That is, one specific structure, characteristic, or property type at a time is discussed for all three basic material types: metals, ceramics, and polymeric materials. This order of presentation allows for the early introduction of non-metals and supports the engineer's role in choosing materials based upon their characteristics. Also discussed are new, cutting-edge materials. Using clear, concise terminology that is familiar to students, Fundamentals presents material at an appropriate level for both student comprehension and instructors who may not have a materials background.

Book Information

Hardcover: 936 pages

Publisher: Wiley; 4 edition (May 22, 2012)

Language: English

ISBN-10: 9781118061602

ISBN-13: 978-1118061602

ASIN: 1118061608

Product Dimensions: 8.3 x 1.4 x 10.3 inches

Shipping Weight: 3.6 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 stars 44 customer reviews

Best Sellers Rank: #18,489 in Books (See Top 100 in Books) #19 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Materials Science #5740 in Books > Textbooks

Customer Reviews

William D. Callister is currently an adjunct professor in the Department of Engineering at the University of Utah. His teaching interests include writing and revising introductory materials science and engineering textbooks, in both print and electronic formats. He also enjoys developing ancillary resources, including instructional software and on-line testing/evaluation tools.

I don't have much to compare it to as a materials book. However, it seems to explain concepts fundamental to materials science in an understandable format.

This is one of the better text books I've had. It's easy to follow and helped a lot with the course

considering my professor didn't know how to answer questions.

this textbook saved my life for my materials science class. If you have a bad teacher who doesn't even go through example problems and just reads off years old slides that are somewhat relevant to the topic, this textbook will cover everything you need to know

Great basic book for fundamentals. I still go back to this book for the basics!

The text is somewhat confusing. The diagrams are too small and any attempt to magnify results in grainy pictures. Additionally the lack of page numbers makes it difficult to follow along with a class. Locations do not help at all. The formatting seems to be off and can lack cohesiveness unless you can compare it to the hard-copy version.

Book has more short comings than I thought compared to the newer edition. Came very quickly and brand new. No weird smell and no damaged edges makes for a great review!

I saved a lot of money buying this book through . The price was great and so was the quality. This book was exactly the same that the school was selling used for \$50 more. It came in great condition with notes from the last user (this was a great help in understanding the material) The Book covers the basics of materials science and I'm sure it will be a great resource for years to come. The information in here is very applicable to anyone planning on building products that need to last. The chapter summary's at the end of each chapter have a list of equations and explanation of the variables. The charts are incredibly useful too. I am a fabricator and have referred to the tables multiple time to determine what type of steel to use for different applications.

I just want to warn you that the kindle version is flawed. In many cases the graphics in this book are impossible to make out on the kindle screen, and increasing the font size does not help since they are embedded images, not text. This is true for most of the important equations throughout the book. The images show up better on the "Kindle for PC" application, but they are still pretty small. I usually like kindle books for various reasons, but in this case I would recommend a real copy. I chose to give two stars since it is convenient to be able to search the textbook, and of course it is much easier to haul around than the full sized book. And cheaper. EDIT: I viewed this on a kindle 3. It may look better on a kindle fire.

[Download to continue reading...](#)

Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Fundamentals of Materials Science and Engineering: An Integrated Approach Fundamentals of Materials Science and Engineering: An Integrated Approach 5e Binder Ready Version + WileyPLUS Registration Card Fundamentals of Materials Science and Engineering: An Integrated Approach, 5th Edition FUNDAMENTALS OF MATERIALS SCIENCE AND ENGINEERING: An Integrated Approach, International Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Titanium in Medicine: Material Science, Surface Science, Engineering, Biological Responses and Medical Applications (Engineering Materials) Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Engineering Fundamentals: An Introduction to Engineering (Activate Learning with these NEW titles from Engineering!) Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series on Materials Science and Technology) Engineering Materials 2: An Introduction to Microstructures, Processing and Design (International Series on Materials Science and Technology) (v. 2) Materials: Engineering, Science, Processing and Design (Materials 3e North American Edition w/Online Testing) Materials North American Edition w/Online Testing: Materials - North American Edition, Second Edition: engineering, science, processing and design Materials: Engineering, Science, Processing and Design (Materials 3e with Online Testing) The Structure of Materials (Mit Series in Materials Science and Engineering) Mechanics Of Composite Materials (Materials Science & Engineering Series) Glencoe Integrated iScience, Level Green, Grade 7, Student Edition (INTEGRATED SCIENCE) Fundamentals of Ceramics (Series in Materials Science and Engineering) The Science and Engineering of Materials (Activate Learning with these NEW titles from Engineering!) Statics and Mechanics of Materials: An Integrated Approach

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)