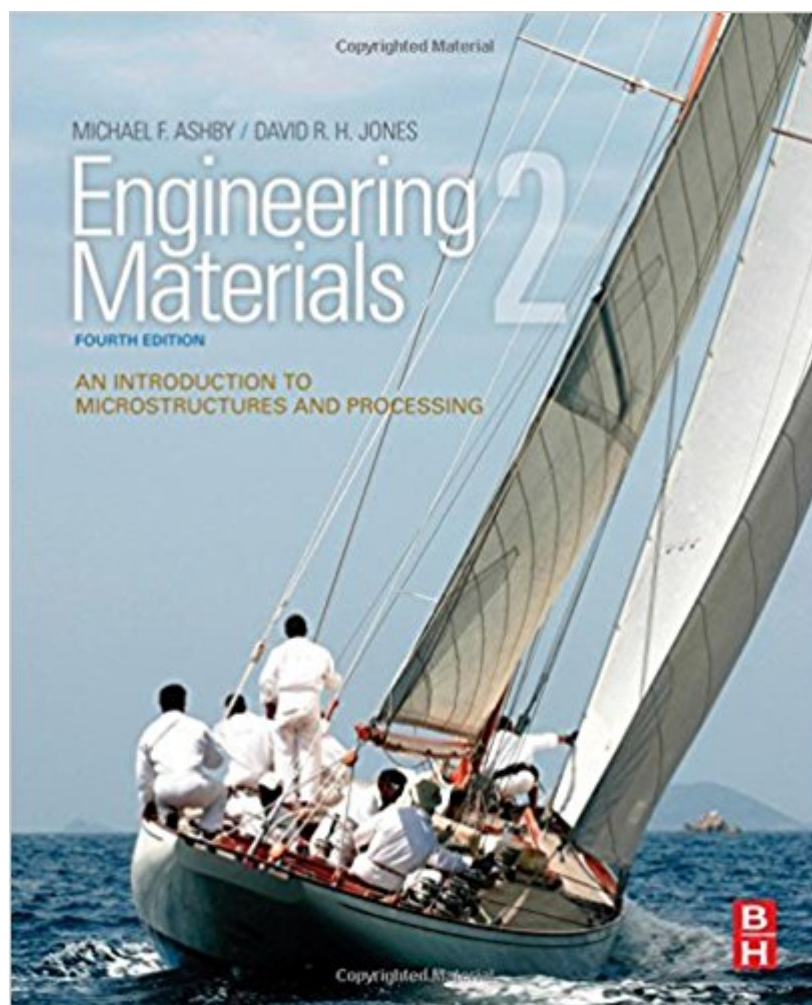




**Ebook Directory**  
the best source of ebook

**The book was found**

# **Engineering Materials 2, Fourth Edition: An Introduction To Microstructures And Processing (International Series On Materials Science And Technology)**





## Synopsis

Engineering Materials 2, Fourth Edition, is one of the leading self-contained texts for more advanced students of materials science and mechanical engineering. It provides a concise introduction to the microstructures and processing of materials, and shows how these are related to the properties required in engineering design. Each chapter is designed to provide the content of one 50-minute lecture. This updated version includes new case studies, more worked examples; links to Google Earth, websites, and video clips; and a companion site with access to instructors' resources: solution manual, image bank of figures from the book, and a section of interactive materials science tutorials. Other changes include an increased emphasis on the relationship between structure, processing, and properties, and the integration of the popular tutorial on phase diagrams into the main text. The book is perfect as a stand-alone text for an advanced course in engineering materials or a second text with its companion Engineering Materials 1: An Introduction to Properties, Applications, and Design, Fourth Edition in a two-semester course or sequence. Many new or revised applications-based case studies and examples Treatment of phase diagrams integrated within the main text Increased emphasis on the relationship between structure, processing and properties, in both conventional and innovative materials Frequent worked examples to consolidate, develop, and challenge Many new photographs and links to Google Earth, websites, and video clips Accompanying companion site with access to instructors' resources, including a suite of interactive materials science tutorials, a solutions manual, and an image bank of figures from the book

## Book Information

Series: International Series on Materials Science and Technology

Paperback: 576 pages

Publisher: Butterworth-Heinemann; 4 edition (December 19, 2012)

Language: English

ISBN-10: 0080966683

ISBN-13: 978-0080966687

Product Dimensions: 7.4 x 1.2 x 9.1 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 2 customer reviews

Best Sellers Rank: #788,724 in Books (See Top 100 in Books) #58 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Extraction & Processing #504

## Customer Reviews

Engineering Materials 2 is one of the leading self-contained texts for more advanced students of materials science and mechanical engineering. The book provides a concise introduction to the microstructures and processing of materials and shows how these are related to the properties required in engineering design. As with previous editions, each chapter is designed to provide the content of one 50-minute lecture. The fourth edition has been updated to include new case studies, more worked examples, links to relevant websites and video clips. Other changes include an increased emphasis on the relationship between structure, processing and properties, and integration of the popular tutorial on phase diagrams into the main text. Engineering Materials 2, Fourth Edition is perfect as a stand-alone text for an advanced course in engineering materials or a second text with its companion Engineering Materials 1: An Introduction to Properties, Applications, and Design, Fourth Edition in a two-semester course or sequence. New and Key Features Include: Many new or revised applications-based case studies and examples Treatment of phase diagrams integrated within the main text Increased emphasis on the relationship between structure, processing and properties, in both conventional and innovative materials Frequent worked examples – to consolidate, develop, and challenge Many new photographs and links to Google Earth, websites, and video clips Accompanying companion site with access to instructors’ resources, including a suite of interactive materials science tutorials, a solutions manual, and an image bank of figures from the book

Dr. Jones is co-author of Engineering Materials 1 and 2 and lead author for the 3rd and 4th editions. He was the founder editor of Elsevier’s journal Engineering Failure Analysis, and founder chair of Elsevier’s International Conference on Engineering Failure Analysis series. His research interests are in materials engineering, and along with serving as President of Christ’s College at the University of Cambridge he now works internationally advising major companies and legal firms on failures of large steel structures. Royal Society Research Professor Emeritus at Cambridge University and Former Visiting Professor of Design at the Royal College of Art, London, UK Mike Ashby is sole or lead author of several of Elsevier’s top selling engineering textbooks, including Materials and Design: The Art and Science of Material Selection in Product Design, Materials Selection in Mechanical Design, Materials and the Environment, and Materials:

Engineering, Science, Processing and Design. He is also coauthor of the books Engineering Materials 1&2, and Nanomaterials, Nanotechnologies and Design.

Good condition of the book. But it was a little dirty.

excellent

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

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) Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Continuum Scale Simulation of Engineering Materials: Fundamentals - Microstructures - Process Applications Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Materials North American Edition w/Online Testing: Materials - North American Edition, Second Edition: engineering, science, processing and design Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Materials: Engineering, Science, Processing and Design (Materials 3e North American Edition w/Online Testing) Materials: Engineering, Science, Processing and Design (Materials 3e with Online Testing) Engineering Materials Technology: Structures, Processing, Properties, and Selection (5th Edition) Engineering Materials Technology: Structures, Processing, Properties and Selection (4th Edition) Modern Ceramic Engineering: Properties, Processing, and Use in Design, 3rd Edition (Materials Engineering) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Materials, Third Edition: engineering, science, processing and design; North American Edition Processing Techniques and Tribological Behavior of Composite Materials (Advances in Chemical and Materials Engineering) Materials: engineering, science, processing and design; North American Edition Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers Handbook of Physical Vapor Deposition (PVD) Processing (Materials Science and Process Technology) Introduction to Coastal Engineering and Management (Advanced Series on Ocean Engineering) (Advanced Series on Ocean Engineering (Paperback)) Titanium in Medicine: Material Science, Surface Science, Engineering, Biological Responses and Medical Applications

(Engineering Materials)

Contact Us

DMCA

Privacy

FAQ & Help