



## An Introduction to Materials Science (Hardback)

By Wenceslao Gonzalez-Vinas, Hector L. Mancini

Princeton University Press, United States, 2004. Hardback. Condition: New. Language: English . Brand New Book. Materials science has undergone a revolutionary transformation in the past two decades. It is an interdisciplinary field that has grown out of chemistry, physics, biology, and engineering departments. In this book, Gonzalez-Vinas and Mancini provide an introduction to the field, one that emphasizes a qualitative understanding of the subject, rather than an intensely mathematical one. The book covers the topics usually treated in a first course on materials science, such as crystalline solids and defects. It describes the electrical, mechanical, and thermal properties of matter; the unique properties of dielectric and magnetic materials; the phenomenon of superconductivity; polymers; and optical and amorphous materials. More modern subjects, such as fullerenes, liquid crystals, and surface phenomena are also covered, and problems are included at the end of each chapter. An Introduction to Materials Science is addressed to both undergraduate students with basic skills in chemistry and physics, and those who simply want to know more about the topics on which the book focuses.



## Reviews

Basically no words to describe. We have read through and i also am sure that i am going to going to read once more once again later on. You may like just how the article writer compose this publication.

## -- Mrs. Jane Quitzon DDS

Absolutely essential read through book. it was actually writtern quite properly and useful. Its been developed in an remarkably basic way and it is only following i finished reading through this ebook where really changed me, modify the way i believe. -- Torrey Jerde

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