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Engineering Design



Synopsis

Dieter's Engineering Design represents a major update of this classic textbook for senior design courses. As in previous editions, Engineering Design provides a broader overview of topics than most design texts and contains much more prescriptive guidance on how to carry out design. Dieter focuses on material selection as well as how to implement the design process. Engineering Design provides the senior mechanical engineering students with a realistic understanding of the design process. It is written from the viewpoint that design is the central activity of the engineering profession, and it is more concerned with developing attitudes and approaches than in presenting design techniques and tools.

Book Information

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Customer Reviews

Although the book seems to attempt to demonstrate how one would go about designing, selecting materials, manufacturing, marketing, safety, etc. Its really not easy to grasp such concepts without hands one experience or involvement. The book is easy to read and does provide some really good detail on benchmarking materials, intellectual property / patents, and safety. It just doesn't seem like you can teach design even if you attempt to do it through concepts and case studies. Also the book suggest design via a materials approach but this is misleading because it doesn't look at it from a material science viewpoint rather what materials are available with this property at what cost.

Almost new. Excellent.

I appreciate that it is a text that covers the design process for product design and development. Wish it covered a little more in depth in some areas but it is overall pretty good.

=)

Book arrived in great condition.

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