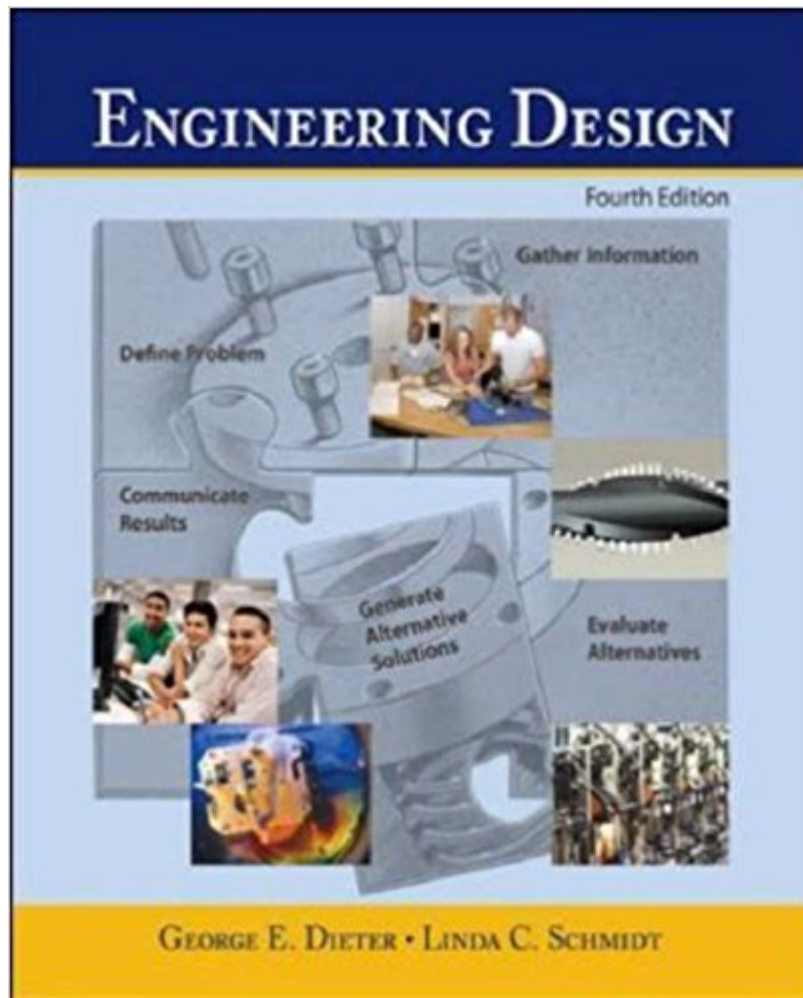




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Engineering Design (Engineering Series)



Synopsis

Dieter's Engineering Design 4/e 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. Engineering Design provides a realistic understanding of the engineering design process. The book presents in detail (Chapters 1 through 9) an eight-step process that gives prescriptive guidance to the student from problem definition through detail design. Chapters 10 through 16 present more specific treatment of speciality topics (design for X). The text is intended to be used in either a junior or senior engineering course with an integrated hands-on design project.

Book Information

Series: Engineering Series

Hardcover: 864 pages

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Product Dimensions: 7.7 x 1.6 x 9.3 inches

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Average Customer Review: 4.0 out of 5 stars 10 customer reviews

Best Sellers Rank: #217,200 in Books (See Top 100 in Books) #34 in Books > Engineering & Transportation > Engineering > Design #417 in Books > Textbooks > Engineering > Mechanical Engineering #959 in Books > Engineering & Transportation > Engineering > Electrical & Electronics

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.

Awesome!!!

=)

Book arrived in great condition.

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This book is awful. If your teacher insists in buying this book, insist on a different teacher.

The book arrived quicker than I expected considering where it came from. It was nice condition when I received it but I may sell it back since I didn't actually need it for my class

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