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Human Factors In Engineering And Design



Synopsis

This is the seventh edition of a text that is quite popular and the respected leader in its field. Written for upper-level undergraduate and graduate students, as well as for practicing professionals, the book combines an emphasis on the empirical research basis of human factors with comprehensive coverage of basic concepts in the field of human factors and ergonomics. This edition of Human Factors in Engineering and Design has been thoroughly updated and contains a new chapter on motor skills. Several chapters have been extensively revised and renamed to reflect current emphases and research in the field.

Book Information

Hardcover: 704 pages

Publisher: McGraw-Hill Education; 7 edition (January 1, 1993)

Language: English

ISBN-10: 007054901X

ISBN-13: 978-0070549012

Product Dimensions: 6.5 x 1.4 x 9.5 inches

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

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Customer Reviews

Yes, it's resource. This is one of those books that an engineer will want to keep as a reference. The material is both technical and explanatory and in this case, is a required University text. The material is semi-recent and is general to all engineering problems with regard to Human Machine Interaction. It details the physiology, geometry and math of such interactions, the cognitive psychology and the issues of safety and health of workers and employer obligations for their health and safety, as well as production efficiency and accuracy of results. It exposes research values and mathematical relativity of human physiology, cognition and machine controls as well as environmental contexts.

The book is a bit outdated because of when it was written but a lot of the concepts for Human Factors still hold true. It's a great book for supplementing a HF course. I would recommend this along with the NASA HF standards manual.

Overall I found this book to provide a myriad of information. I was excited about office design and all of the aspects concerning this area. In many regards the book is out of date - computers, especially. But the concepts of chair design were particularly well presented. Much of the information was very detailed - noise, illumination, displays. I was, however, impressed with the amount of research the authors did by the way they cited the vast amount of research in each of the various sections. Also, they did keep their sense of humor and acknowledged the real world in their analysis.

The book was unclear with lots of hair within the pages

great

very good book. thank you very much. I liked it.

Bought this for a human factors and behavior based safety graduate class and while this book is a bit outdated it does have very valid points that hold true to today

Dated, but still useful. Definitely worth the price.

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