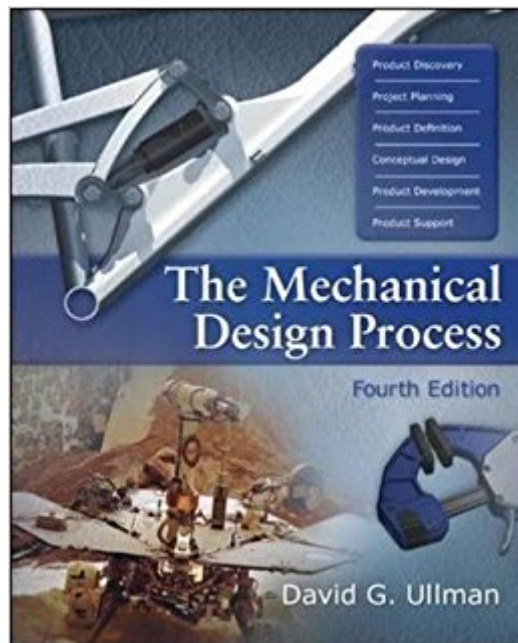




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# The Mechanical Design Process (Mcgraw-Hill Series In Mechanical Engineering)



## Synopsis

The fourth edition of *The Mechanical Design Process* combines a practical overview of the design process with case material and real-life engineering insights. Ullman's work as an innovative designer comes through consistently, and has made this book a favorite with readers. This book conveys the "flavor" of design, addressing both traditional engineering topics as well as real-world issues like creative thinking, synthesis of ideas, visualization, teamwork, sense of customer needs and product success factors, and the financial aspects of design alternatives, in a practical and motivating manner. New in this edition are examples from industry and over twenty online templates that help students prepare complete and consistent assignments while learnign the material. This text is appropriate primarily for the Senior Design course taken by mechanical engineering students, though it can also be used in design courses offered earlier in the curriculum. Working engineers also find it to be a readable, practical overview of the modern design process.

## Book Information

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## Customer Reviews

David G. Ullman is an active product designer who has taught, researched, and written about design for over thirty years. He is president of Robust Decisions, Inc., a supplier of software products and training for product development and decision support. He is Emeritus Professor of Mechanical Design at Oregon State University. He has professionally designed fluid/thermal, control, and transportation systems. He has published over twenty papers focused on

understanding the mechanical product design process and the development of tools to support it. He is founder of the American Society Mechanical Engineers (ASME)-Design Theory and Methodology Committee and is a Fellow in the ASME. He holds a Ph.D. in Mechanical Engineering from the Ohio State University. --This text refers to an alternate Hardcover edition.

First of all delivered the book several days in anticipation!!! Excellent. Also, as always, book was properly packed for a long trip - I received it in perfect conditions. Regarding the contents of the book I can say it is a pleasure to find a so clear approach to the challenging mission to conduct mechanical design to a "grand finale". All the points are addressed in a professional and clear way, clearing all doubts that can arise during the Mechanical Design Process.

Needed it for school, but it is a well written book covering the design process. Good reference material for those in design engineering.

This is a great explanation of how the design process SHOULD work. The book is excellent. The new version is expanded and updated and worth checking out if you can afford it.

Very practical so far... not sure it will need much updates after the times...

This book uses excellent approaches to reinforce the design process. Chapter 1 should be reviewed for most people. The book is an engineer's must have. Great book great material.

The book is in like-new condition. Great rental price vs. my university bookstores. Better than expected. Most words are spelled correctly.

The book was very helpful in researching the ins and outs of the design process. Even if this is not required for school, I recommend it to anyone who wants to learn more about design!

good book i purchased for school.

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