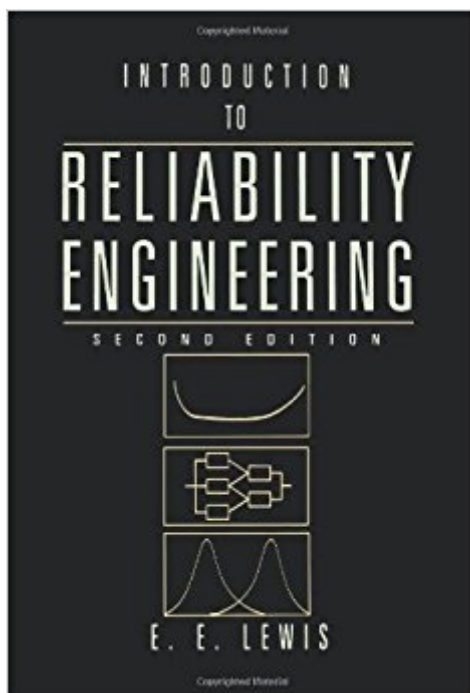


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# Introduction To Reliability Engineering



## Synopsis

Using an interdisciplinary perspective, this outstanding book provides an introduction to the theory and practice of reliability engineering. This revised edition contains a number of improvements: new material on quality-related methodologies, inclusion of spreadsheet solutions for certain examples, a more detailed treatment which ties the load-capacity approach to reliability to failure rate methodology; a new section dealing with safety hazards of products and equipment.

## Book Information

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## Customer Reviews

This book is very good for the Intro to Reliability Concepts. Book is very precise but lack some explanation of concepts. Nice buy learned a lot.

LOVE IT!!!!

This book is one of the reference books in the syllabus for "Reliability Engg." in the course for M.E.(Master of Engineering)-Applied Electronics of Anna University Chennai. This book is more useful to mechanical engineers rather than electronic engineers but some fundamentals are relevant to all engineers.

Item arrived as described. Fast shipping.

Just what I needed

It was cheap because it is an old edition and out of date for I'm sure most any class. I didn't pay attention to rev level, first book back to grad school, was just looking for a deal. Use for reference only, it does have some different treatments to some topics.

I have been a Reliability Engineer since 1976. The first 8 years for a commercial company and since then for a military contractor. I have taught several preparatory courses geared for the Certified Reliability Engineering Examination offered by ASQ. both under contract with ASQ and for co-workers in my own company. The first edition of this book is one of three books I found invaluable in finding material for those courses and for my daily work. It is filled with examples at varying levels of sophistication which are critical for anyone checking their understanding of new concepts - both supplementing the text and in problem sets (with answers to many, but not all, of the problems at the back of the book). It contains derivations of the key formulas of Reliability. I found very few mistakes in the first edition. If your goal is to obtain a good technical working knowledge of the mathematics of Reliability Engineering it is on a par with Reliability in Engineering Design by Kapur and Lamberson - another excellent book. If your specialty is Military Reliability (Availability, Maintainability and Durability), this book is not as useful for military terminology reference as the less mathematically thorough, but nevertheless excellent book, Practical Reliability Engineering by Patrick D.T. O'Connor. I own two copies, one is literally full of my own notes. I would not part with it for anything.

I have used this book for three years now in the final year undergraduate Mechanical Engineering degree programme as one of the major textbooks in Maintenance Engineering. I have found it to be very good and easy to follow. The material is easily understood by the class and they appreciate the relevancy of reliability in Maintenance engineering rather than just in manufacturubg and design. It would however have been better if a companion textbook was available with solutions to all the problems given at the end of each chapter. This would be a very useful tool for the lecturers and other instructors using the book. Grain M Munakaampe Department of Mechanical Engineering School of Engineering University of Zambia P O Box 32379 LUSAKA 10101 Zambia.

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