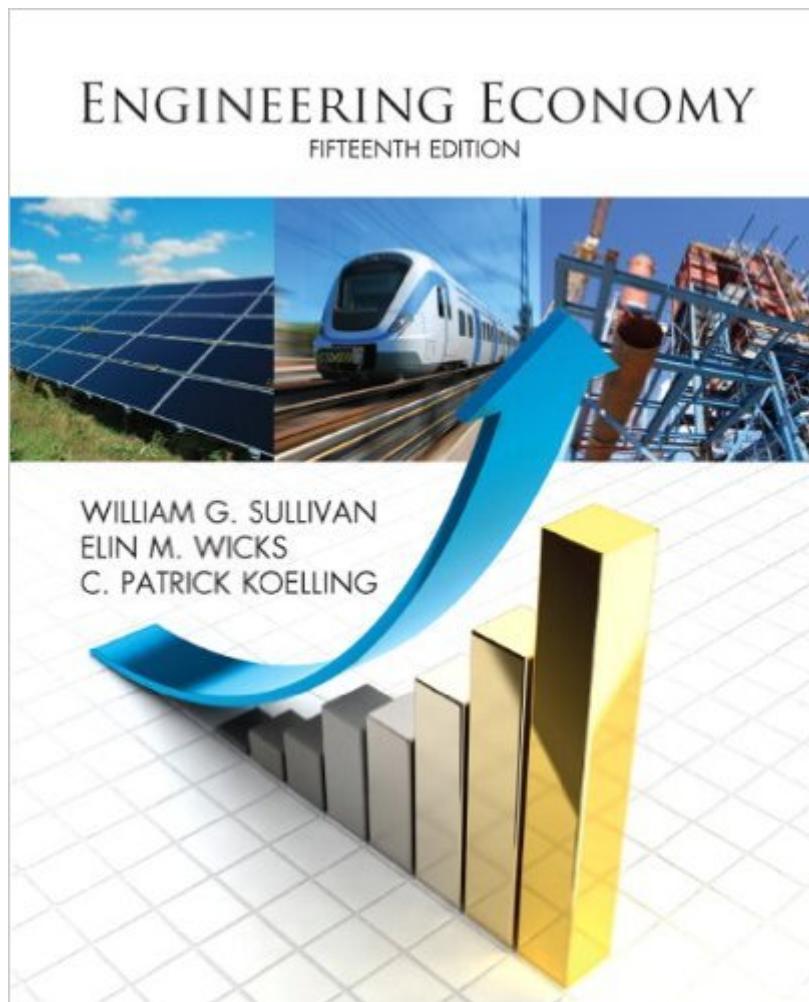


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Engineering Economy (15th Edition)



Synopsis

Engineering Economy, 15e, is ideal for undergraduate, introductory courses in Engineering Economics. It also is a useful reference for engineers interested in reviewing the basic principles of engineering economy. Used by engineering students worldwide, this best-selling text provides a sound understanding of the principles, basic concepts, and methodology of engineering economy. Built upon the rich and time-tested teaching materials of earlier editions, it is extensively revised and updated to reflect current trends and issues, with an emphasis on the economics of engineering design throughout. It provides one of the most complete and up-to-date studies of this vitally important field.

Book Information

Hardcover: 672 pages

Publisher: Prentice Hall; 15th edition (January 6, 2011)

Language: English

ISBN-10: 0132554909

ISBN-13: 978-0132554909

Product Dimensions: 7.4 x 1.6 x 9.2 inches

Shipping Weight: 2.2 pounds

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (68 customer reviews)

Best Sellers Rank: #282,542 in Books (See Top 100 in Books) #25 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Economics #147 in Books > Textbooks > Engineering > Industrial Engineering #429 in Books > Business & Money > Finance > Corporate Finance

Customer Reviews

I first used this book as a student-I found it useful then, today I insist that all managers reporting to me review, and use, the concepts and techniques provided by the authors.The book is useful, in that concepts are well explained, the examples are relevant, but most important for me is that it provides managers who have little or no experience in determining project costs with a handy means (including formulae and worked examples) of doing so.I have tried to get copies of the most recent edition, the popularity seems to be such that the book is sold out. I most readily recommend this to anyone who needs to justify capital expenditure, who needs to do project costing, and who has to prepare proposals for submission to the boss (or the board of directors)in order to obtain funds for capital expansion, refurbishment or simply equipment upgrades.

Just as engineers must accurately model technical solutions to a problem, they must also model the economic impact of those technical solutions. This is a very good book for both the engineering student and the practicing engineer. Unlike many texts on straight economics, it is not just filled with narrative. It has many well-explained formulas and examples using those formulas throughout. The numerous exercises included throughout the book involve open-ended problem statements and iterative problem-solving skills, which are the real-world skills you'll need on the job. Various engineering disciplines are presented. FE exam-style questions have been added to help prepare engineering students for that milestone examination. Passing the FE exam is a first step in getting licensed as a "Professional Engineer" or PE. A good companion to this book is the Schaum's Outline on Engineering Economics. This is one of those textbooks where having the latest edition is really better, since the laws of finance are man-made and do change over time. The following is the table of contents for the latest edition:

FUNDAMENTALS OF ENGINEERING ECONOMY.

- 1. Introduction to Engineering Economy.
- 2. Cost Concepts and Design Economics.
- 3. Money-Time Relationships and Equivalence.
- 4. Applications of Money-Time Relationships.

II. ENGINEERING ECONOMY IN ACTION.

- 5. Applications of Money-Time Relationships.
- 6. Comparing Alternatives.
- 7. Depreciation and Income Taxes.
- 8. Price Changes and Exchange Rates.
- 9. Replacement Analysis.
- 10. Dealing with Uncertainty.

III. ADDITIONAL TOPICS IN ENGINEERING ECONOMY.

- 11. Evaluating Projects with the Benefit/Cost Ratio Method.
- 12. Engineering Economy Studies in Investor-Owned Utilities.
- 13. Probabilistic Risk Analysis.
- 14. Capital Financing and Allocation.
- 15. Dealing with Multiattributed Decisions.

Appendices.

Good book for my husband's engineering economy class. This was so much more affordable to rent through then it was buying or renting from his school. He ordered this 3 days before his class started, and it arrived after only 2 days with Prime. This book is perfect for his first online class because it explains the material so well for him and goes over everything he needs to know. The book is in great condition and I am so happy with the price, this is where we will be getting his books from now on. I only wish we would have found out about this before his senior year ;)

Used in for a mechanical engineering course elective. This was the required text and there are a couple newer versions of this text that I saw but there isn't much change other than page numbering. For the most part the book is good at presenting a method or theory and then having clear examples that follow and give a good explanation. For the most part this is a good book but

other than being a required text or just wanting it for a general interest a newer version of the book would probably be what you'll be picking up.

Most international editions are the same but this one does not. It seems like exactly half of the problems are different than the US edition and the page numbers are 22 off of each other. The issues isn't just metric to English either, they use completely different numbers and problems, but still use things like in Colorado or the EPA does ... Don't buy it if you live in the US.

It has very readable charts regarding different types of cash flows, and their transformations to present, future, etc state. The book was well put together, and the examples were clear enough to understand. This text was required for a course I took in Engineering Economics. Overall I would say this textbook is pretty good, compared to other textbooks on the subject.

This book was instrumental in my understanding of the material. I can't believe that this still relevant giving the more advanced (and simpler) methods that are out there. However, you probably couldn't get through the class without this book.

If you are an economics student who already has a few classes under your belt, then you'll probably be fine with this book. As someone who has not, and was required to take this class, it was a HORRIBLE book to learn from. There is no step by step to this book, it just writes out question and then has the answer. Does not give you the details at all. Similarly, it will have a page or so for each section within the chapter and then 12 practice questions that are completely different. Bottom line is if your professor requires this book, consider a different professor. If your school uses this book, they aren't serious about engineering economy.

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