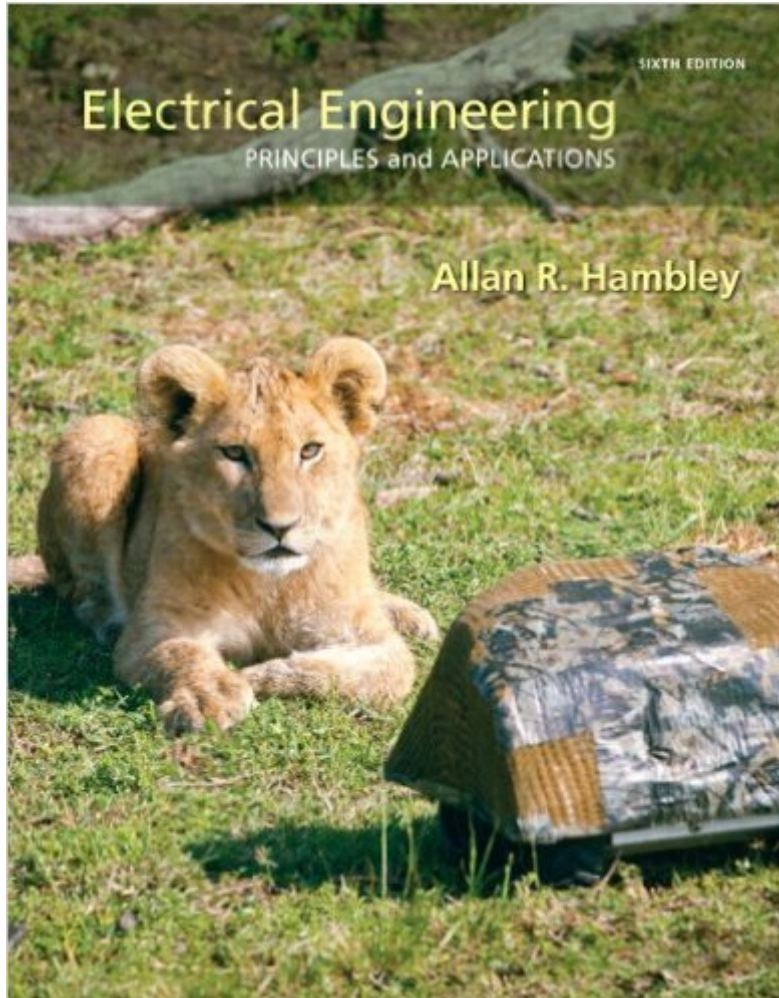


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Electrical Engineering: Principles & Applications (6th Edition)



Synopsis

For undergraduate introductory or survey courses in electrical engineering. A clear introduction to electrical engineering fundamentals. **Electrical Engineering: Principles and Applications, 6e** helps students learn electrical-engineering fundamentals with minimal frustration. Its goals are to present basic concepts in a general setting, to show students how the principles of electrical engineering apply to specific problems in their own fields, and to enhance the overall learning process. Circuit analysis, digital systems, electronics, and electromechanics are covered. A wide variety of pedagogical features stimulate student interest and engender awareness of the material's relevance to their chosen profession. **NEW:** This edition is now available with **MasteringEngineering**, an innovative online program created to emulate the instructor's office-hour environment, guiding students through engineering concepts from **Electrical Engineering** with self-paced individualized coaching. **Note:** If you are purchasing the standalone text or electronic version, **MasteringEngineering** does not come automatically packaged with the text. To purchase **MasteringEngineering**, please visit: masteringengineering.com or you can purchase a package of the physical text + **MasteringEngineering** by searching the Pearson Higher Education website. **Mastering** is not a self-paced technology and should only be purchased when required by an instructor.

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Customer Reviews

I am an engineering student at Georgia Tech and have used various texts covering topics from organismal biology to quantum physics. Hambley's **Electrical Engineering** book is lacking in some of

the most fundamental elements that are required for a successful text in any engineering field. There are very few solutions to problems and the solutions that are provided are incomplete, providing mostly the final answer as opposed to a complete logic pattern to achieve the answer. The in chapter exercises demonstrate only the most meager applications of the sometimes tedious analysis steps or theorems. Finally, the clarity of author's intent is often hazed by generality or over specificity. I cannot see how an electrical engineering major can use this text for anything other than a stabilizer for a wobbling table. Save yourself the money and purchase a Schaum's outline and a problem work book complete with solutions.

I'm a first year student in electrical engineering and I've been using this book since August as main source. I must admit the overall coverage is great for less than 1000 pages. It is easy to find a concept and to navigate between the well divided chapters. Unfortunately, practical problems are left aside in this book. End-of-chapter problems are too basic for real-life engineering and are only useful to understand basic theory and to practice essential engineering maths. As many other books, complete solutions of problems are very hard to obtain via the Web. I would recommend using it as a reference to get a second way to explain essential ideas concerning circuits. The first and second chapter are great because they cover basic circuit analysis in a nice way and a lot of examples are used along the book. But when you dive in semiconductors and op-amp, it is getting too heavy. Overall, nice diagrams and examples for theory most of the time well explained, but forget about complex and useful circuits.

My major complaint about this book is not only are the examples vague and useless for understanding homework problems, this book DOESN'T HAVE PROBLEM SOLUTIONS IN THE BACK. Not even just the figures. How are you supposed to check your homework answers to make sure you understand the concepts??? This book is a total waste and the author has done a very poor job. The book is full of typos and poorly formatted. Example problem #1 visual aid will be on one page, the next page will contain the next visual aid for example problem #2, and then it goes back to solve example problem #1. This book is absolutely horrible. Easily the most useless/ poorly formatted textbook I've purchased, which shouldn't be acceptable considering it's the SIXTH EDITION. What a waste of \$200. This book is definitely sub-par.

this book has a lot of potential. As a college student, I must say that this book really stinks. The in-text examples do not represent what is needed to do the homework. Also, there is no way to

check answers to the homework problems as there are no solutions in the back and a solutions manual is not available. The lack of solutions makes this book very difficult to use.

The International edition's problems are different from the normal edition's problems. The actual content in the chapters is seemingly identical to the normal 5th edition. If the author made any changes to the chapters from edition to edition, it is hardly noticeable. There are also no solutions to problems in the back, but there are solutions to the 'practice tests' at the end of each chapter. There are a few examples in the chapters and it seems to be about 1 example per section. The chapters seem to focus more on the conceptual aspects and deriving equations. A problem/solution book would be a great supplement to this text (check out the Schaum's series).

Very good book. That means a lot coming from me... since I hate everything to do with circuits. Electrical Engineering is a bold title for the book. It should be titled "Introductory Circuits" or something similar. The content isn't too hard, and the problems given in the book are actually quite useful. If I remember correctly, there are no answers in the back of the book. This would be helpful. What use is homework if you don't even know if you are doing it correctly? The book has a lot of illustrations and demonstrations on how to solve the problems using MatLab. The only reason it got four stars was because some of the given problems seemed to be out of the blue. You would start on a problem and it would have concepts that weren't even touched on anywhere in the book. There are only a few of these each chapter though.

This book is nearly useless! Not only does it provide answers for about 1/3 of the problems in each chapter, you have to get online and download the folder just so you can have them. The examples or lack of hardly explain the steps taken to solve the problems. They skip many steps that may not be intuitive or they simply state "perform Mesh Analysis and this is your answer...". I am an engineering student so naturally I keep all of my textbooks but this is one that I can't wait to sell! If I had the choice I wouldn't pay \$50 for this! There are far better textbooks out there for a much cheaper price.

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