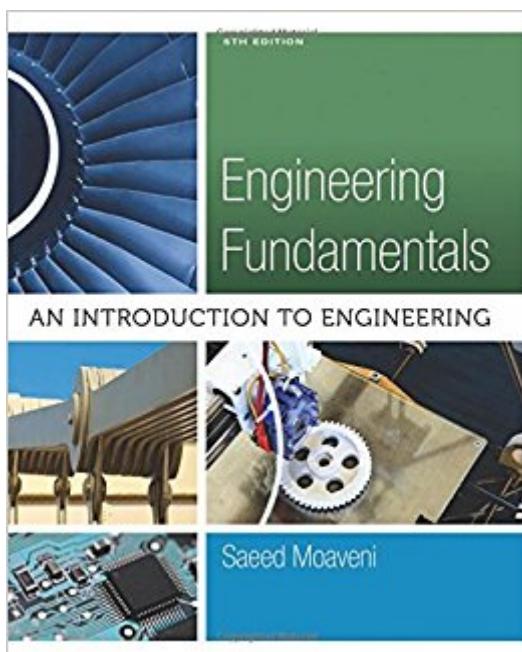


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Engineering Fundamentals: An Introduction To Engineering (Activate Learning With These NEW Titles From Engineering!)



Synopsis

Note: This is a standalone book and does not include Access Card/Code. Now in dynamic full color, **ENGINEERING FUNDAMENTALS: AN INTRODUCTION TO ENGINEERING, 5e** helps readers develop the strong problem-solving skills and solid foundation in fundamental principles they will need to become analytical, detail-oriented, and creative engineers. The book opens with an overview of what engineers do, an inside glimpse of the various areas of specialization, and a straightforward look at what it takes to succeed. The book then covers the basic physical concepts and laws that you'll encounter on the job. Professional Profiles throughout the text highlight the work of practicing engineers from around the globe, tying in the fundamental principles and applying them to professional engineering. Using a flexible modular format, the book demonstrates how engineers apply physical and chemical laws and principles, as well as mathematics, to design, test, and supervise the production of millions of parts, products, and services that people use every day.

Book Information

Series: Activate Learning with these NEW titles from Engineering!

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Building on what you've learned. The text is organized into six parts that build upon each other, allowing you to hone your problem-solving skills and develop an understanding of fundamental principles. Review materials that help you succeed. Each chapter begins with learning objectives and concludes by summarizing what you should have learned from studying that

chapter. End-of-chapter problems include Research Problems that encourage you to solve problems using the Internet and traditional research methods, Communication Problems that emphasize the importance of developing good written and oral communication skills, and Teamwork Problems that encourage group participation. Tools to master key concepts. Definitions, relevant everyday examples, and drawings work together to help you master key concepts. A full color design makes key content more engaging and easier to find. Assignments develop your skills. Assignments that require information gathering using the Internet or employing traditional methods help you develop skills in gathering and properly using information.

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Dr. Saeed Moaveni, P.E., is a successful author, instructor, and engineering professional. Dr.

Moaveni has nearly 30 years of experience in teaching, research, and consulting in mechanical and civil engineering related areas, including inverse problems, solar and renewable energy technology, geophysical problems, and education. He has taught at Colorado State University, University of South Carolina, Syracuse University, Norwich University, and Minnesota State University. He also has been invited abroad as a visiting professor at numerous universities. Dr. Moaveni is the recipient of the Jack Cermak Distinguished Professor Fellowship and the American Society of Engineering Education Young (New) Faculty Award. He has served as Dean of the David Crawford School of Engineering at Norwich University and Chair of the Mechanical and Civil Engineering Department at Minnesota State University. Dr. Moaveni is a licensed professional engineer in the State of New York and a member of American Society for Engineering Education, the American Society of Mechanical Engineers, and the American Society of Heating, Ventilating, and Air Conditioning Engineers, and the Council on Undergraduate Research.

Great, easy to understand textbook.

Exceeded Expectations!!!

Fast delivery and exactly as described.

Better deal then renting at my kid's college!

Great thanks

Chapters are pretty long. Great resource citing for the aspiring engineer. Book seems more focused on presentation of your work.

Exactly what was needed

This book was a requirement for Orientation to ECET and Design class. It's an okay book, the Excel and Matlab parts but the rest are descriptions of different engineering focuses. Buy it if you have to.

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