



# ENGINEERING 2020

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# CONTENTS

## General Engineering

<a href="#">Science</a>	4
<a href="#">Maths and Statistics</a>	4
<a href="#">Engineering Ethics</a>	4
<a href="#">Introduction to Engineering</a>	5
<a href="#">Engineering Mathematics</a>	5
<a href="#">Engineering Communication</a>	5
<a href="#">Engineering Computing</a>	5
<a href="#">Engineering Design</a>	5
<a href="#">Chemical Engineering</a>	5

## Mechanical Engineering

<a href="#">Introduction to Mechanical Engineering</a>	6
<a href="#">Finite Element Analysis</a>	6
<a href="#">Mechatronics</a>	6
<a href="#">Heat Transfer</a>	6
<a href="#">Engineering Mechanics</a>	7
<a href="#">Thermodynamics / Thermal Sciences</a>	7
<a href="#">Mechanics of Materials</a>	7
<a href="#">Fluid Mechanics</a>	7

## Materials Science 8

## Civil Engineering

<a href="#">Geotechnics / Solid Dynamics / Foundations</a>	8
<a href="#">Structural Analysis</a>	9
<a href="#">Environmental Engineering / Sustainability</a>	9
<a href="#">Road / Traffic Engineering</a>	9
<a href="#">Steel Design</a>	9
<a href="#">Civil Engineering Materials</a>	9

## Electrical & Computer Engineering

<a href="#">Circuit Theory / Analysis</a>	10
<a href="#">Wireless Communications</a>	10
<a href="#">Computer Architecture</a>	10
<a href="#">Introduction to Electrical Engineering</a>	10
<a href="#">Image Processing</a>	10
<a href="#">Digital Signal Processing</a>	10
<a href="#">Power Systems / Electric Machines</a>	11
<a href="#">Digital Logic / Digital Design</a>	11

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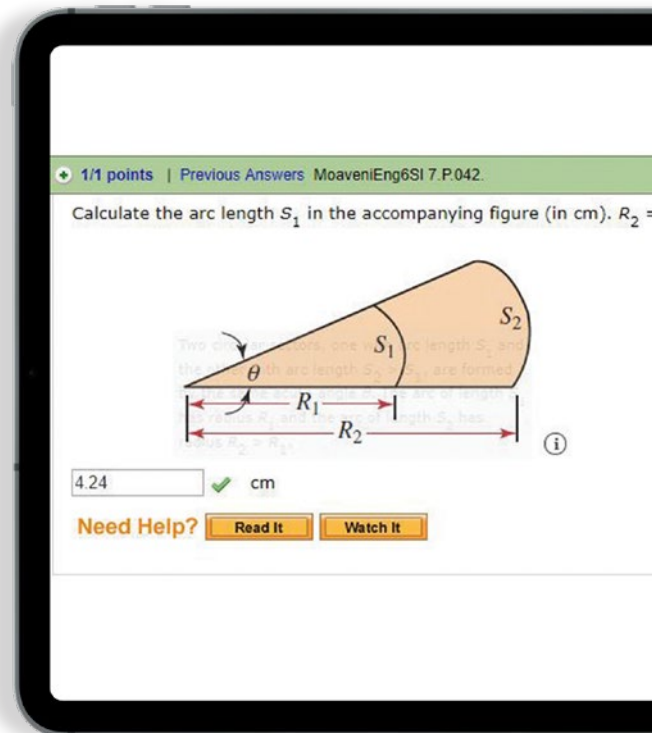
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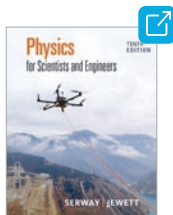
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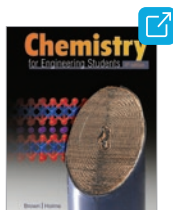
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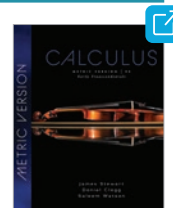
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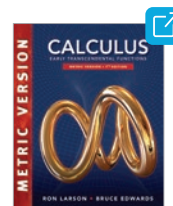
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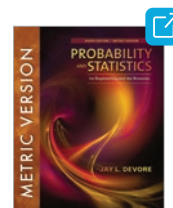
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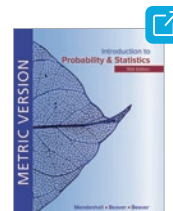
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Written for the traditional Introductory Statistics course, the book takes advantage of modern technology--including computational software and graphing calculators--to facilitate statistical reasoning as well as the interpretation of statistical results. In addition to showing how to apply statistical procedures, the authors explain how to describe real sets of data meaningfully, what the statistical tests mean in terms of their practical applications, how to evaluate the validity of the assumptions behind statistical tests, and what to do when statistical assumptions have been violated.

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## Engineering Mathematics

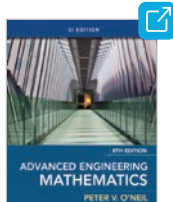
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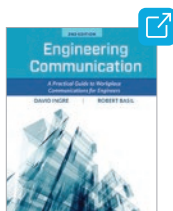
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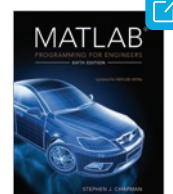
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This edition reflects the latest advancements in MATLAB® R2018a and includes new MATLAB® GUI Apps. The first nine chapters can serve as a complete text and resource for first-year engineering students' introduction to programming and problem-solving course. The remaining chapters cover more advanced topics, such as I/O, object-oriented programming, and Graphical User Interfaces, and offer an ideal resource for a longer course.



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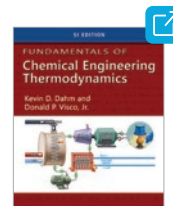
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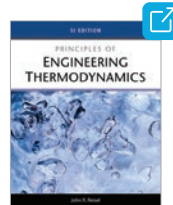
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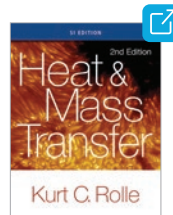
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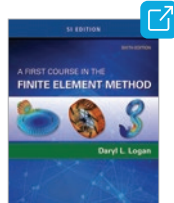
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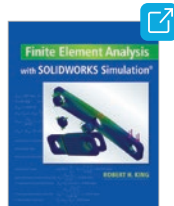
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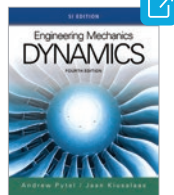
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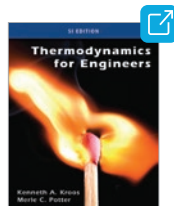
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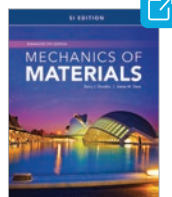
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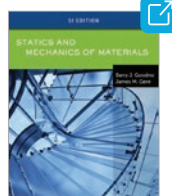
Help students develop a thorough understanding of the mechanics of materials - an essential area in mechanical, civil, and structural engineering - with the analytical approach and problem-solving emphasis in this new edition of Goodno and Gere's market-leading text. This book focuses on the analysis and design of structural members subjected to tension, compression, torsion, bending, and more. Photographs and detailed diagrams demonstrate reactive and internal forces and resulting deformations.

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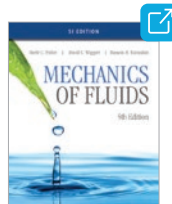
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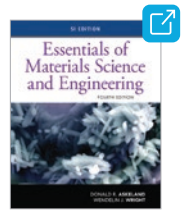
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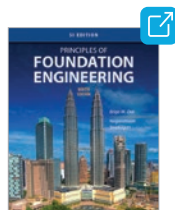
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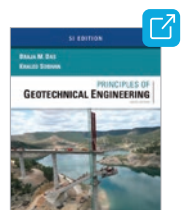
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Provide a valuable overview of soil properties and mechanics together with coverage of field practices and basic engineering procedures with this market-leading introduction to geotechnical engineering. This book provides the important background knowledge students need to support study in later design-oriented courses and in professional practice. The authors ensure a practical and application-oriented approach to the subject by incorporating a wealth of comprehensive discussions and detailed explanations. Find more figures and worked-out problems than any other book for the course to help ensure student understanding.



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## Structural Analysis

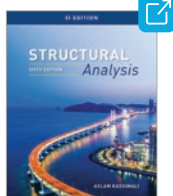
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## Environmental Engineering / Sustainability

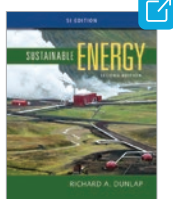
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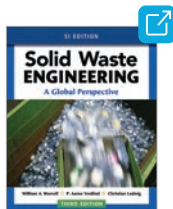
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William A. Worrell, Integrated Waste Management Authority

P. Aarne Vesilind, Bucknell University

Christian Ludwig, Paul Scherrer Institute and EPFL

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## Road / Traffic Engineering

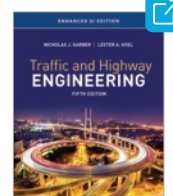
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## Steel Design

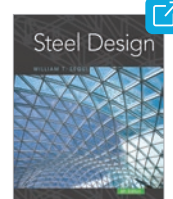
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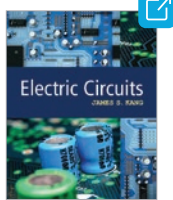
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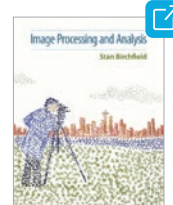
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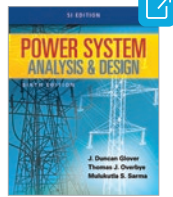
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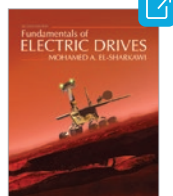


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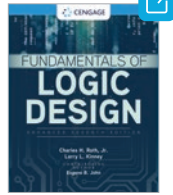
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