



connect[®]

McGraw Hill Engineering



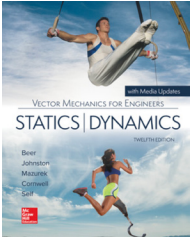
Powered by Connect for Engineering, McGraw Hill's resources are designed to help students achieve success with a click. It's an easy-to-use learning platform that gives instructors access to engaging, assignable, and assessable tools. All of these tools are tied to learning objectives that support student success by helping students develop positive learning behaviors.

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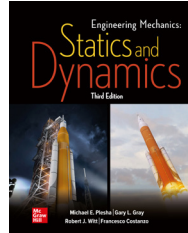
Engineering Titles with Connect

Engineering Mechanics



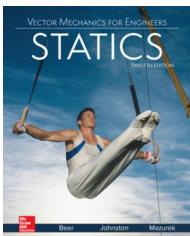
Vector Mechanics for Engineers: Statics and Dynamics, 12e

Ferdinand Beer
E. Russell Johnston, Jr.
David Mazurek
Phillip Cornwell
Brian Self



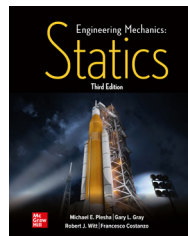
Engineering Mechanics: Statics and Dynamics, 3e

Michael Plesha
Gary Gray
Francesco Costanzo



Vector Mechanics for Engineers: Statics, 12e

Ferdinand Beer
E. Russell Johnston, Jr.
David Mazurek



Engineering Mechanics: Statics, 3e

Michael Plesha
Gary Gray
Francesco Costanzo



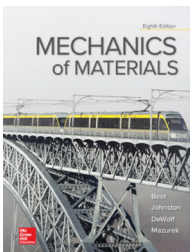
Vector Mechanics for Engineers: Dynamics, 12e

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Phillip Cornwell
Brian Self



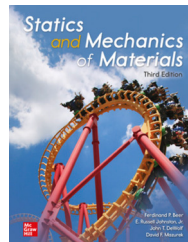
Engineering Mechanics: Dynamics, 3e

Michael Plesha
Gary Gray
Francesco Costanzo



Mechanics of Materials, 8e

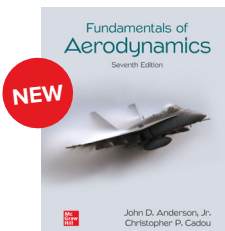
Ferdinand Beer
E. Russell Johnston, Jr.
John DeWolf
David Mazurek



Statics and Mechanics of Materials, 3e

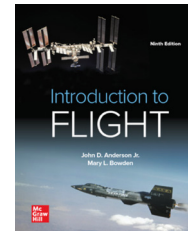
Ferdinand Beer
E. Russell Johnston, Jr.
John DeWolf
David Mazurek

Aeronautical Engineering



Fundamentals of Aerodynamics, 7e

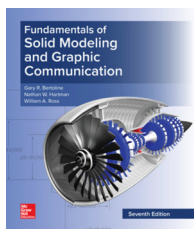
John Anderson



Introduction to Flight, 9e

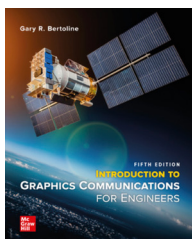
John Anderson

General Engineering



Fundamentals of Solid Modeling and Graphics Communication, 7e

Gary Bertoline
Nathan Hartman
William Ross
Eric Wiebe



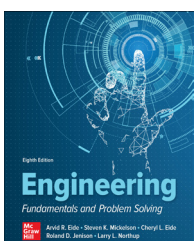
Introduction to Graphics Communications for Engineers, 5e

Gary Bertoline



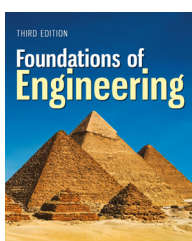
MATLAB for Engineering Applications, 5e

William Palm III



Engineering Fundamentals and Problem Solving, 8e

Arvid Eide
Roland Jenison
Larry Northup
Steven Mickelson



Foundations of Engineering, 3e

Mark Holtzapple
W. Dan Reece



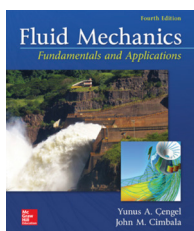
Technical Writing for Engineers & Scientists, 4e

Leo Finkelstein Jr.
Jeanine Elise Aune
Leslie A. Potter



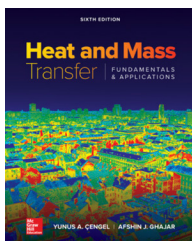
BEST Collection for Introduction to Engineering

Thermal and Fluids Engineering



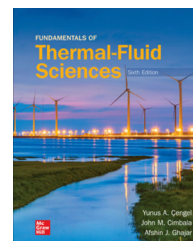
Fluid Mechanics: Fundamentals and Applications, 4e

Yunus Cengel
John Cimbala



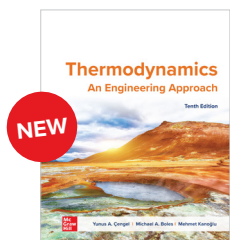
Heat and Mass Transfer: Fundamentals and Applications, 6e

Yunus Cengel
Afshin Ghajar



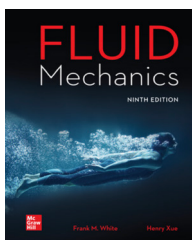
Fundamentals of Thermal-Fluid Sciences, 6e

Yunus Cengel
Robert Turner
John Cimbala



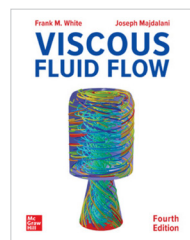
Thermodynamics: An Engineering Approach, 10e

Yunus Cengel
Michael Boles



Fluid Mechanics, 9e

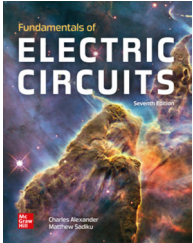
Frank M. White
Henry Xue



Viscous Fluid Flow, 4e

Frank M. White
Joe Majdalani

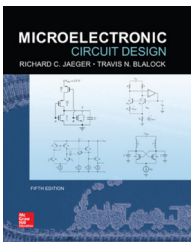
Electrical Engineering



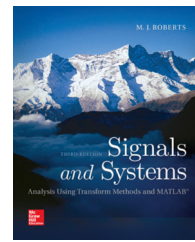
Fundamentals of Electric Circuits, 7e
Charles Alexander
Matthew Sadiku



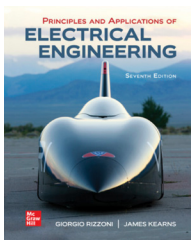
Engineering Circuit Analysis, 10e
William Hayt
Jack Kemmerly
Jamie Phillips
Steven Durbin



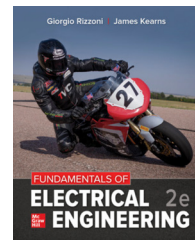
Microelectronic Circuit Design, 5e
Richard Jaeger
Travis Blalock



Signals and Systems: Analysis Using Transform Methods & MATLAB, 3e
M.J. Roberts



Principles and Applications of Electrical Engineering, 7e
Giorgio Rizzoni
James Kearns



Fundamentals of Electrical Engineering, 2e
Giorgio Rizzoni
James Kearns

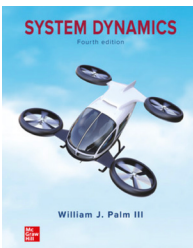
Mechanical Engineering



Introduction to Mechatronics and Measurement Systems, 5e
David G. Alciatore
Micheal B. Hstand



Shigley's Mechanical Engineering Design, 11e
Richard Budynas
Keith Nisbett

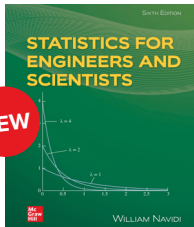


System Dynamics, 4e
William J. Palm III

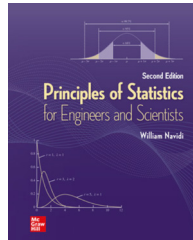


Foundations of Materials Science and Engineering, 7e
William F. Smith
Javad Hashemi

Industrial Engineering



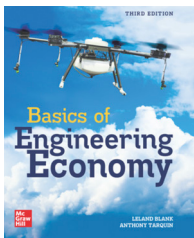
Statistics for Engineers and Scientists, 6e
William Navidi



Principles of Statistics for Engineers and Scientists, 2e
William Navidi



Technology Ventures: From Idea to Enterprise, 5e
Thomas H. Byers
Richard C. Dorf
Andrew J. Nelson



Basics of Engineering Economy, 3e
Leland Blank
Anthony Tarquin

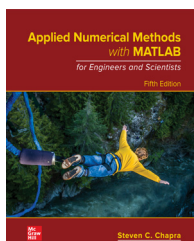


Engineering Economy, 9e
Leland Blank
Anthony Tarquin

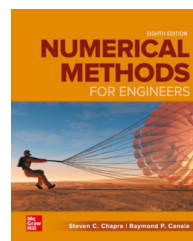


Simulation with Arena, 7e
W. David Kelton
Randall Sadowski
Nancy Zupick

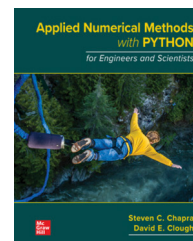
Numerical Methods



Applied Numerical Methods with MATLAB for Engineers and Scientists, 5e
Steven Chapra

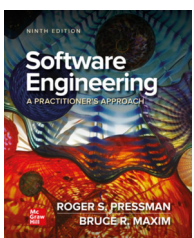


Numerical Methods for Engineers, 8e
Steven Chapra
Raymond Canale

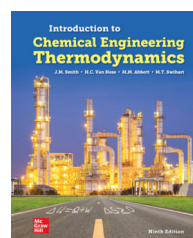


Numerical Methods with Python, 1e
Steven Chapra
David Clough

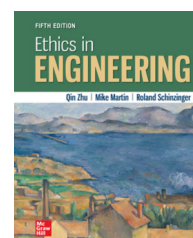
Additional Titles



Software Engineering: A Practitioner's Approach, 9e
Roger Pressman
Bruce Maxim



Introduction to Chemical Engineering Thermodynamics, 9e
J.M. Smith
Hendrick Van Ness
Michael Abbott,
Mark Swihart



Ethics in Engineering, 5e
Qin Zhu
Mike Martin
Roland Schinzinger



Software Engineering, 2e
David C. Kung

What is Connect?

Connect is a complete course platform that enables instructors to build deeper connections with their students through cohesive digital content and tools, creating engaging learning experiences. Each of the titles in this catalog is supported by Connect to provide you and your students course-specific, trusted content, resources and tools—all in one place. The engagement and adaptive tools in Connect enable learners to take their education beyond the classroom.

Homework & Adaptive Learning

- Contextualized assignments
- SmartBook 2.0 Adaptive Reading
- Time-saving tools
- Customized to individual needs
- STEM Prep Modules
- Application Based Activities

Quality Content & Learning Resources

- eBooks available offline
- Custom course content
- Resource library
- Easy course sharing
- Customized to-do list and calendar
- Lecture capture
- Remote Proctoring
- Writing assignment tool with customizable grading rubrics



connect®

Trusted Services & Support

- Seamless LMS integration
- Training
- In-product help and tutorials
- 1:1 or group help

Robust Analytics & Reporting

- Easy-to-read reports
- Individual and class performance reports
- Auto grading

“

Connect is simple, interactive, and efficient. It makes it easy for my students to access the material, and the students appreciate the automated fast feedback for their assignments.

Professor Khaled Zbeed, Western Illinois University

Affordable Options at Every Turn



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Affordable print and digital rental options through our partnerships with leading textbook distributors including Amazon, Barnes & Noble, Chegg, Follett, and more.



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A full and flexible range of affordable digital solutions ranging from Connect, ALEKS, inclusive access, mobile apps, OER and more.



Get Print

Students who purchase digital materials can get a loose-leaf print version at a significantly reduced rate to meet their individual preferences and budget.

What is Math Prep for Statics?

We know that you welcome a group of students with a wide range of pre-requisite knowledge. ALEKS Math Prep for Statics is designed to support this challenge. ALEKS is a mastery-based learning platform that identifies what your students know, what they don't know, and what they are ready to learn.

Why does ALEKS Math Prep for Statics work?

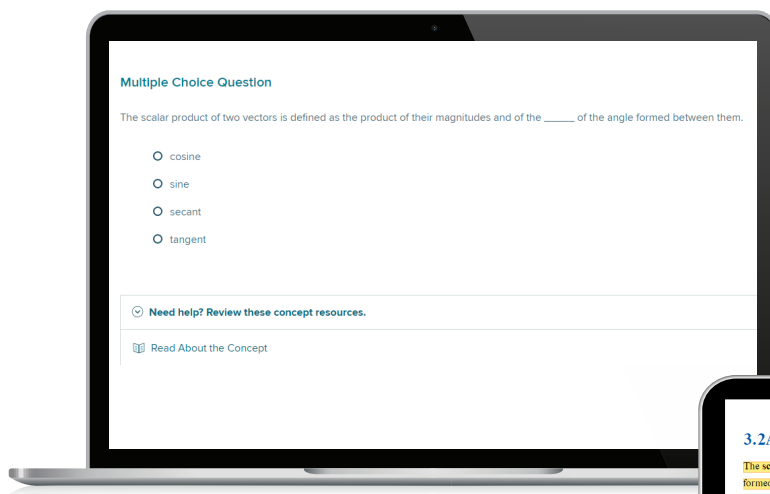
Fields of mathematical knowledge have a logical structure. ALEKS uses this knowledge structure to make inferences about what a student knows and doesn't know. Based on ALEKS' knowledge check assessment, ALEKS will recognize each student's unique knowledge state. ALEKS guides students on the most efficient path through the knowledge structure by targeting their individual needs for instruction. It does not rely on a student self-evaluation nor a one-size-fits-all model. Rather, ALEKS uses a unique cycle of learning and assessment to keep each student on the right path.

What topics are covered in ALEKS Math Prep for Statics?

The knowledge structure of ALEKS Math Prep for Statics has more than 130 topics. These topics will review concepts from statics and present mathematical material for statics.

What is SmartBook?

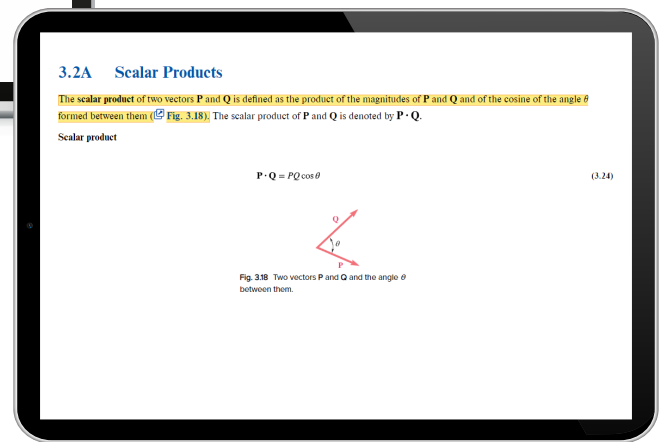
Available within McGraw Hill Connect, SmartBook® makes study time as productive and efficient as possible. It identifies and closes knowledge gaps through a continually-adapting reading experience. The student's knowledge and self-reported confidence enables SmartBook to provide each student with long-term retention solutions. Focusing on closing knowledge gaps and long-term retention ensures that every minute spent with SmartBook is returned to the student as a value-added minute.



Probing questions help students check their knowledge and confidence, and hone in on the concepts they don't understand to improve their performance.



Yellow highlighting provides students with just-in-time learning, focusing on the critical concepts and topics within the chapter.



“

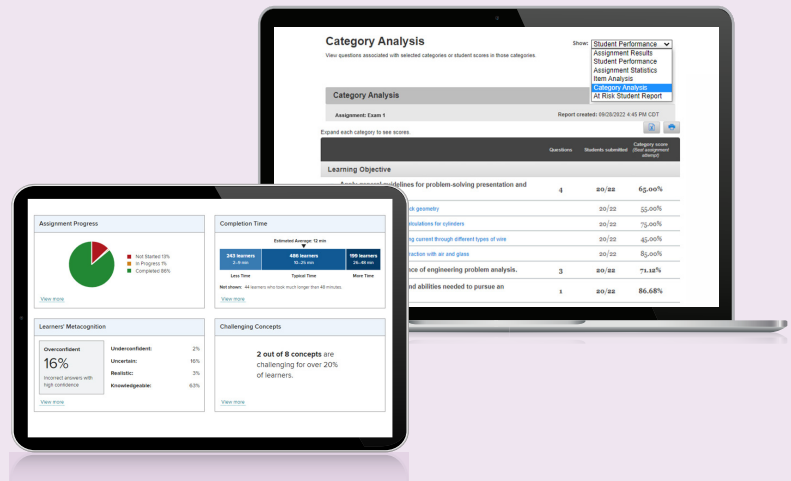
SmartBook made it easy for me to learn the concepts and gave me the confidence I needed to understand and complete the Connect homework problems.

Naazneen Ibtehaj, Biomedical Engineering Student, University of Texas at Austin

What are Connect Reports?

Student Performance

Connect Reports keep instructors informed about how each student, section, and class is performing, allowing for more productive use of lecture and office hours. Instructors have the ability to assess and analyze students' progress on assignments throughout the term, seamlessly and with ease.



Support at Every Step

SupportAtEveryStep.com is your one stop shop to find contact information for our live support teams and key self-service resources for everything from decision-making resources, class prep, first-day-of-class, tips for the classroom and more. Whether you use the text alone or one of our award-winning digital courseware products, you'll find what you need at SupportAtEveryStep.com.

Just getting started? Want to take it to the next level? Either way, your dedicated McGraw Hill Implementation Consultant can help you build your course, create assignments and set policies. Need help with reports or adjusting your course to improve outcomes? Click on "Courseware Consult" at SupportAtEveryStep.com and set up an appointment today.

Need a reality check? Having a direct line to an instructor who's been in your shoes can make all the difference. That's why we have over 600 faculty consultants across the country to share their experiences and provide personalized guidance.

How can we help? No matter your tech questions, the McGraw Hill Tech Support Group is ready to help with a searchable database of FAQs and live support for you and your students. Reach out at (800) 331.5094, or connect online by going to SupportAtEveryStep.com and selecting "Tech Support."



connect®

Training Opportunities



Upon selecting McGraw Hill products for your course, you will receive the following commitment to you and your students needs.

Instructor Training Needs

Training on Connect Engineering is conducted by webinar, as well as on campus, depending on instructional needs and desires.

- Your Implementation Team is dedicated to efficient implementation of Connect Engineering and SmartBook.
- Your Digital Faculty Consultants, current Engineering instructors using Connect, are available for best practices discussions.

Student Training Needs

- McGraw Hill can conduct “First Day of Class” student trainings to ensure that students access and navigate Connect Engineering effectively as well as efficiently.
- McGraw Hill offers mid-semester student trainings and videos to help them utilize reporting features to build more effective study habits.
- Customer Service is available regularly, including during non-traditional business hours (e.g., Sunday evenings). Hours and Personnel are heightened during rush times, such as registration and finals, and this will continuously be monitored for times of greater need.

Support Commitment

- McGraw Hill provides on-going support for Connect Engineering and all digital resources that accompany our programs for the life of the adoption. You can expect unparalleled service from our full national sales, marketing and editorial teams.
- We guarantee a 24-hour response time to any questions, needs or issues which might arise throughout the life of the adoption.

Desk Copy Commitment

- McGraw Hill provides instructor desk copies for all instructors.

McGraw Hill is proud to sponsor two prestigious ASEE awards:

ASEE Mechanics Division Beer and Johnston New Educator Awards, ASEE Engineering Technology Council, James H. McGraw Award