McGraw Hill Engineering

Powered by Connect Engineering, McGraw Hill's resources are designed to help students achieve success in a click. Resources are powered by Connect Engineering, an easy-to-use learning platform that gives instructors access to engaging, assignable and assessable tools. All these tools are tied to learning objectives that support student success and help get students to make positive behavior changes in their lives.

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What is Connect?

Connect is a solution that fits your teaching style, empowering you to teach the way that works best for you and your students. Its flexibility allows you to create, edit, upload, share, and adjust materials to meet your needs. Connect also integrates with the three major learning management systems: Blackboard, D2L, and Canvas. We work to give you and your students access to registration, attendance, assignments, grades, and course resources in real time, in one location.

Homework & Adaptive Learning

- Contextualized assignments
- SmartBook
- Time-saving tools
- Customized to individual needs

Robust Analytics & Reporting

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

Quality Content & Learning Resources

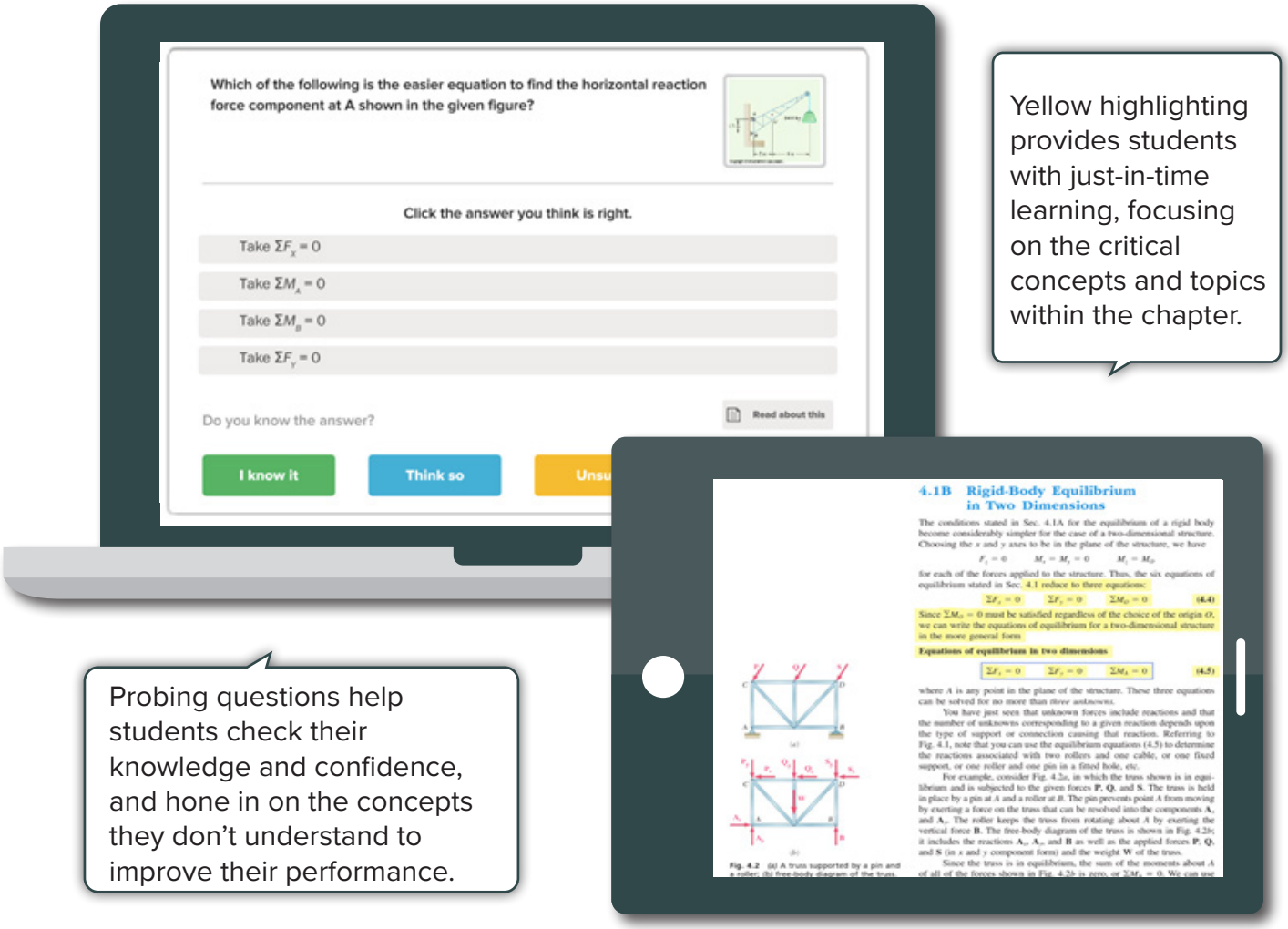
- eBooks available offline
- Custom course content
- Resource library
- Consolidated resources
- Easy course Sharing
- Customized to-do list and calendar
- Lecture capture

Trusted Services & Support

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

SmartBook Adaptive Ebook

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.



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

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

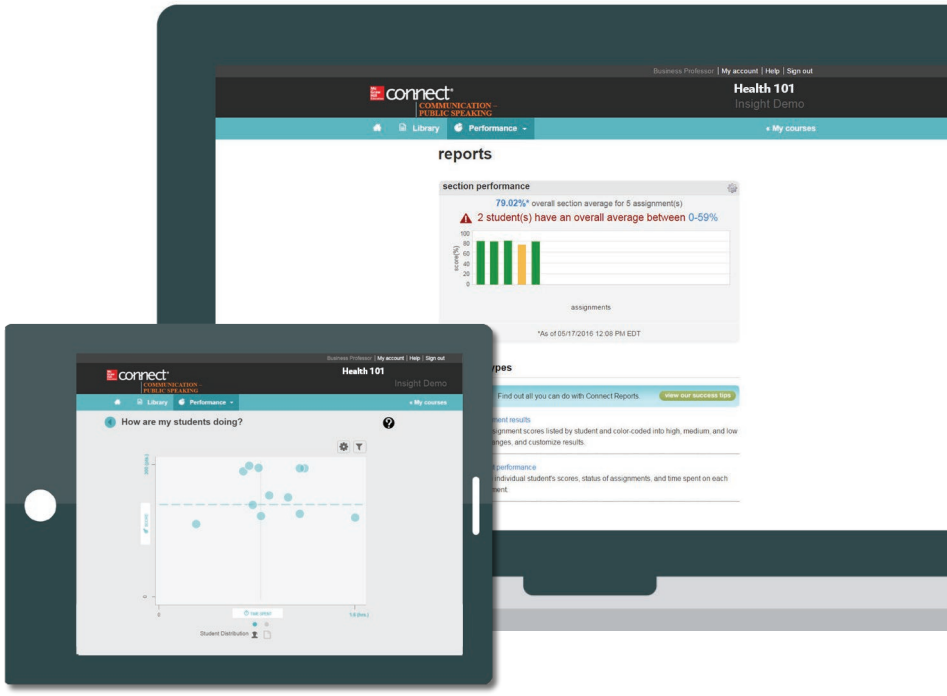
Engineering & Computer Science

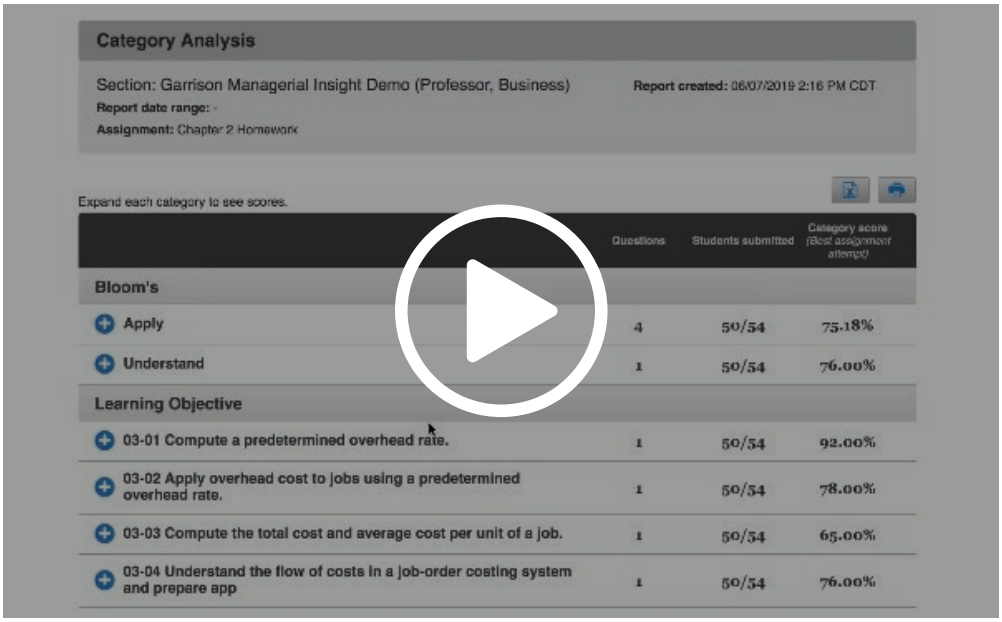
Learn More or Contact your local McGraw Hill Representative at: www.mheducation.ca/support-contact/contact-your-lsc

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.





Training Opportunities

Upon selecting McGraw Hill Education 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

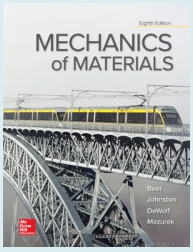
- McGraw Hill provides on-going support for Connect Engineering and all digital resources that accompany our programs for the life of the adoption. You can expect unparalleled service from our full national sales, marketing and editorial teams.
- We guarantee a 24-hour response time to any questions,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

Desk Copy Commitment

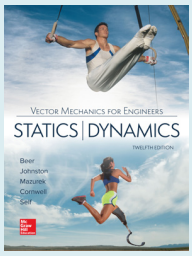
- McGraw Hill provides instructor desk copies for all instructors.

Engineering Titles with Connect

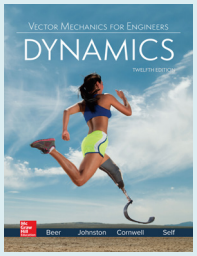
Engineering Mechanics



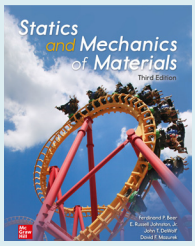
Mechanics of Materials, 8e
Ferdinand Beer
E. Russell Johnston, Jr.
John DeWolf
David Mazurek



Vector Mechanics for Engineers: Statics and Dynamics, 12e
Ferdinand Beer
E. Russell Johnston, Jr.
David Mazurek



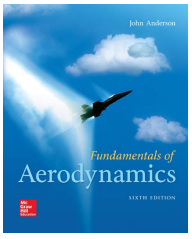
Vector Mechanics for Engineers: Dynamics, 12e
Ferdinand Beer
E. Russell Johnston, Jr.
David Mazurek
Phillip Cornwell
Brian Self



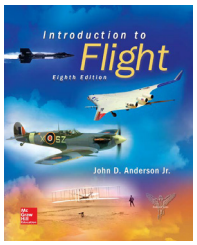
Statics and Mechanics of Materials, 3e
Ferdinand Beer
E. Russell Johnston, Jr.
John DeWolf
David Mazurek

New Edition!

Aeronautical Engineering

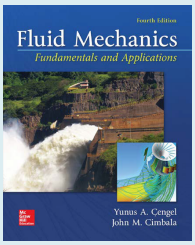


Fundamentals of Aerodynamics, 6e
John Anderson

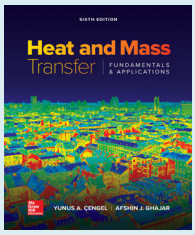


Introduction to Flight, 8e
John Anderson

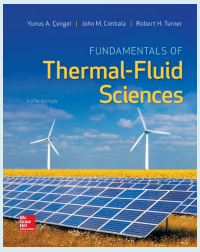
Thermal and Fluids Engineering



Fluid Mechanics: Fundamentals and Applications, 4e
Yunus Cengel
John Cimbala

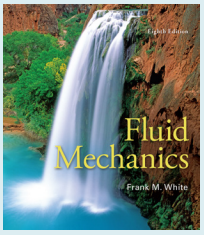


Heat and Mass Transfer: Fundamentals and Applications, 6e
Yunus Cengel
Afshin Ghajar



Fundamentals of Thermal-Fluid Sciences, 5e
Yunus Cengel
Robert Turner
John Cimbala

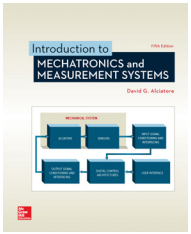
Thermodynamics: An Engineering Approach, 9e
Yunus Cengel
Michael Boles



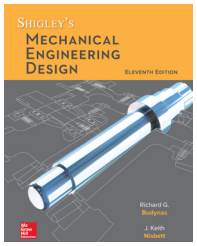
Fluid Mechanics, 9e
Frank M. White

New Edition Coming in late 2020!

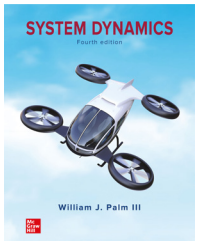
Mechanical Engineering



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

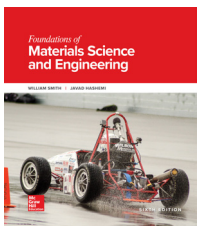


Shigley's Mechanical Engineering Design, 11e
Richard Budynas
Keith Nisbett



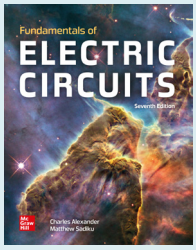
System Dynamics, 4e
William Palm III

New Edition!



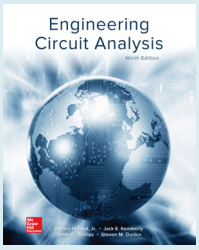
Foundations of Materials Science and Engineering, 6e
William F. Smith
Javad Hashemi

Electrical Engineering

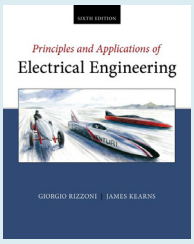


Fundamentals of Electric Circuits, 7e
Charles Alexander
Matthew Sadiku

New Edition

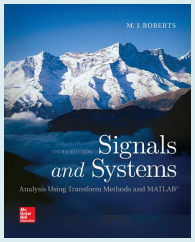


Engineering Circuit Analysis, 9e
William Hayt
Jack Kemmerly
Jamie Phillips
Steven Durbin



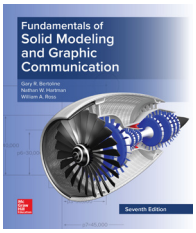
Principles and Applications of Electrical Engineering, 6e
Giorgio Rizzoni
James Kearns

New Edition Coming in late 2020!

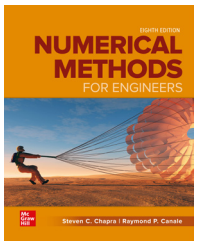


Signals and Systems: Analysis Using Transform Methods & MATLAB, 3e
M.J. Roberts

Fundamentals of Engineering

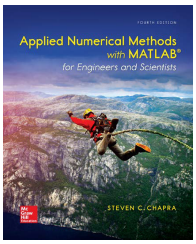


Fundamentals of Solid Modeling and Graphics Communication, 7e
Gary Bertoline
Eric Wiebe
Nathan Hartman
William Ross

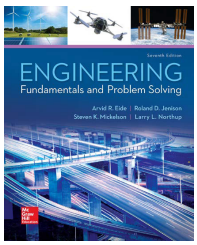


Numerical Methods for Engineers, 8e
Steven Chapra
Raymond Canale

New Edition!

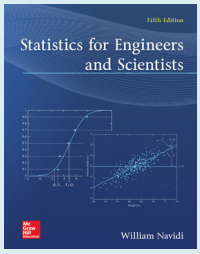


Applied Numerical Methods with MATLAB for Engineers and Scientists, 4e
Steven Chapra

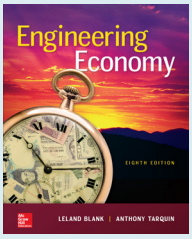


Engineering Fundamentals and Problem Solving, 7e
Arvid Eide
Roland Jenison
Larry Northup
Steven Mickelson

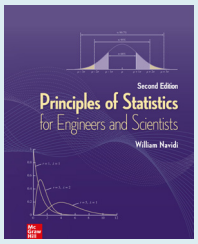
Industrial Engineering



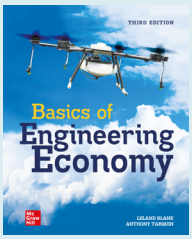
Statistics for Engineers and Scientists, 5e
William Navidi



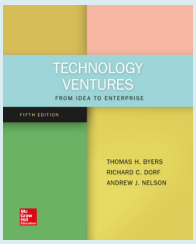
Engineering Economy, 8e
Leland Blank
Anthony Tarquin



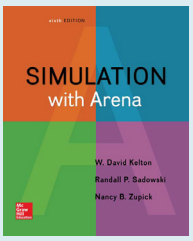
Principles of Statistics for Engineers and Scientists, 2e
William Navidi



Basics of Engineering Economy, 3e
Leland Blank
Anthony Tarquin

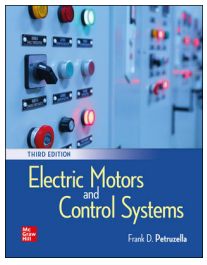


Technology Ventures: From Idea to Enterprise, 5e
Thomas H. Byers
Richard C. Dorf
Andrew J. Nelson

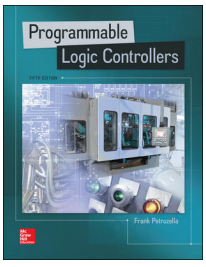


Simulation with Arena, 6e
W. David Kelton
Randall Sadowski
Nancy Zupick

Motors and Controllers

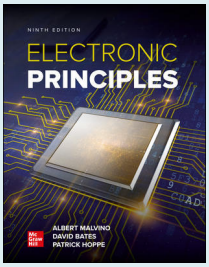


Electric Motors and Control Systems, 3e
Frank Petruzella

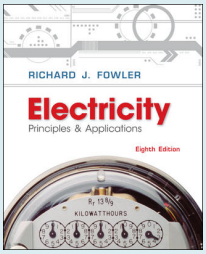


Programmable Logic Controllers, 5e
Frank Petruzella

Electricity and Electronics Without Connect

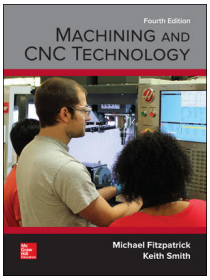


Electronic Principles, 9e
Albert Malvino
David Bates
Patrick Hoppe

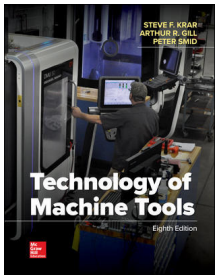


Electricity: Principles & Applications, 8e
Richard Fowler

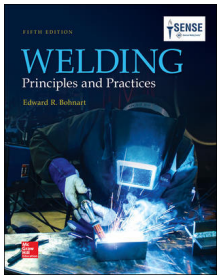
Machining



Machining and CNC Technology, 4e
Michael Fitzpatrick
Keith Smith

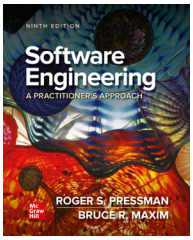


Technology of Machine Tools, 8e
Steve Krar
Arthur Gill
Peter Smid
Robert J. Gerritsen

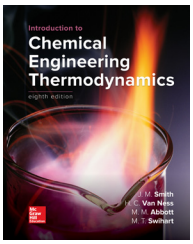


Welding: Principles and Practices, 5e
Connect Unavailable
Student Workbook Available
Edward Bonhart

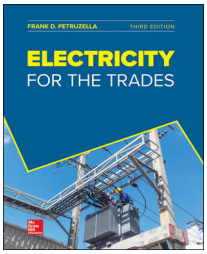
Additional Titles



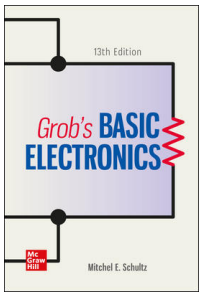
Software Engineering: A Practitioner's Approach, 9e
Roger Pressman
Bruce Maxim



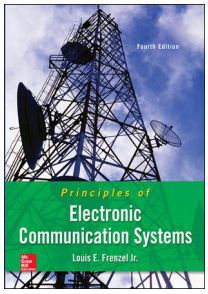
Introduction to Chemical Engineering Thermodynamics, 8e
J.M. Smith
Hendrick Van Ness
Michael Abbott,
Mark Swihart



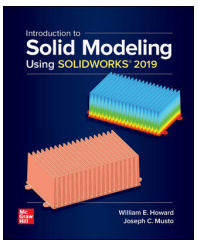
Electricity for the Trades, 3e
Frank Petruzella



Grob's Basic Electronics, 13e
Mitchel Schultz



Principles of Electronic Communication Systems, 4e
Louis Frenzel



Introduction to Solid Modeling Using SOLIDWORKS, 15e
Annually Updated
Connect Unavailable
Tutorial Videos Available
William Howard
Joseph Musto

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