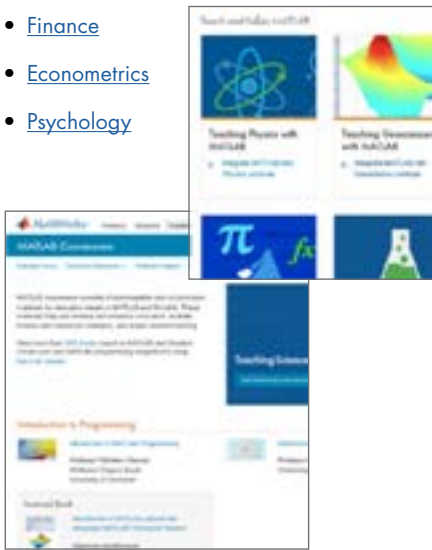


Computational Thinking with MATLAB

“Computational thinking is a fundamental skill for everyone, not just for computer scientists.”

— Dr. Jeannette Wing, Columbia University

Curriculum Resources: Downloadable teaching resources to shape your courses

Science and Mathematics	Engineering and Computer Science	Social Science
<ul style="list-style-type: none"> • Calculus • Different Equations and Linear Algebra • Physics • Biology • Chemistry • Earth, Ocean, and Atmosphere • Neuroscience • Numerical Computing with MATLAB 	<ul style="list-style-type: none"> • Introduction to Programming • Introduction to Engineering • Control of Mobile Robots • Aerospace Engineering • Bioengineering • Digital Speech Processing • Electrical Engineering • Embedded Control and Mechatronics • Mechanical Engineering • Instrumentation and Measurement • Teaching System Dynamics with Arduino 	<ul style="list-style-type: none"> • Finance • Econometrics • Psychology 

Teaching Science: mathworks.com/academia/courseware/teaching-science-with-matlab.html

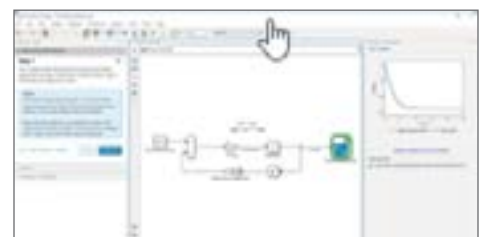
MATLAB Courseware: mathworks.com/academia/courseware

MATLAB based textbooks: mathworks.com/books

Software Tools for Teaching and Learning

Students can interactively learn computational skills at their own pace, giving educators more time to teach.

- **MATLAB Live Editor:** Author and share interactive MATLAB notebooks
- **MATLAB Grader:** Develop and auto-grade MATLAB code assignments
- **MATLAB Online:** Use MATLAB in your web browser
- **MATLAB Code Examples:** Learn from and reuse MATLAB coding stories
- **MATLAB Onramp:** Learn MATLAB via free interactive online demos
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Computational Thinking with MATLAB

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