

MATLAB[®] & SIMULINK[®]



Available for all Faculty, Researchers & Students

Use the latest versions of MATLAB, Simulink, and add-on products to support your coursework and research.

Application Areas include:

- Math and Statistics
- Embedded Systems
- Control Systems
- Digital Signal Processing
- Communications Systems
- Image Processing and Computer Vision
- FPGA Design and Codesign

Get Access: <https://www.mathworks.com/academia/tah-portal/university-of-gavle-40786369.html>





Why MATLAB & Simulink?

Millions of engineers and scientists worldwide use MATLAB and Simulink.



90,000+ business, government, and university sites



All of the top 10 auto manufacturers¹



All of the top 10 aerospace companies²



Three of the top five internet companies

¹OICA: 2016 World Motor Vehicle Production

²PwC: Aerospace and Defense 2017 Year in Review

Key Industries



Aerospace and Defense



Automotive



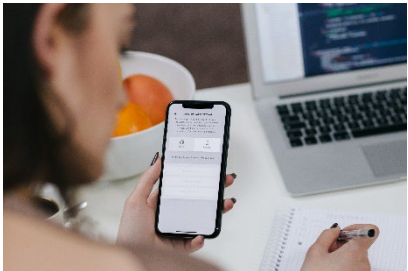
Biological Sciences



Biotech and Pharmaceutical



Communications



Electronics



Energy Production



Financial Services



Industrial Machinery



Medical Devices



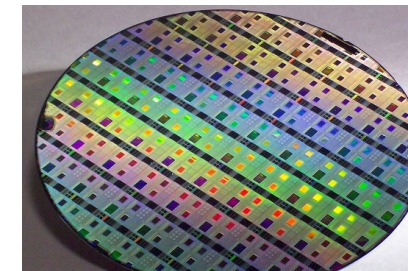
Metals, Materials, Mining



Neuroscience



Railway Systems



Semiconductors



Software and Internet

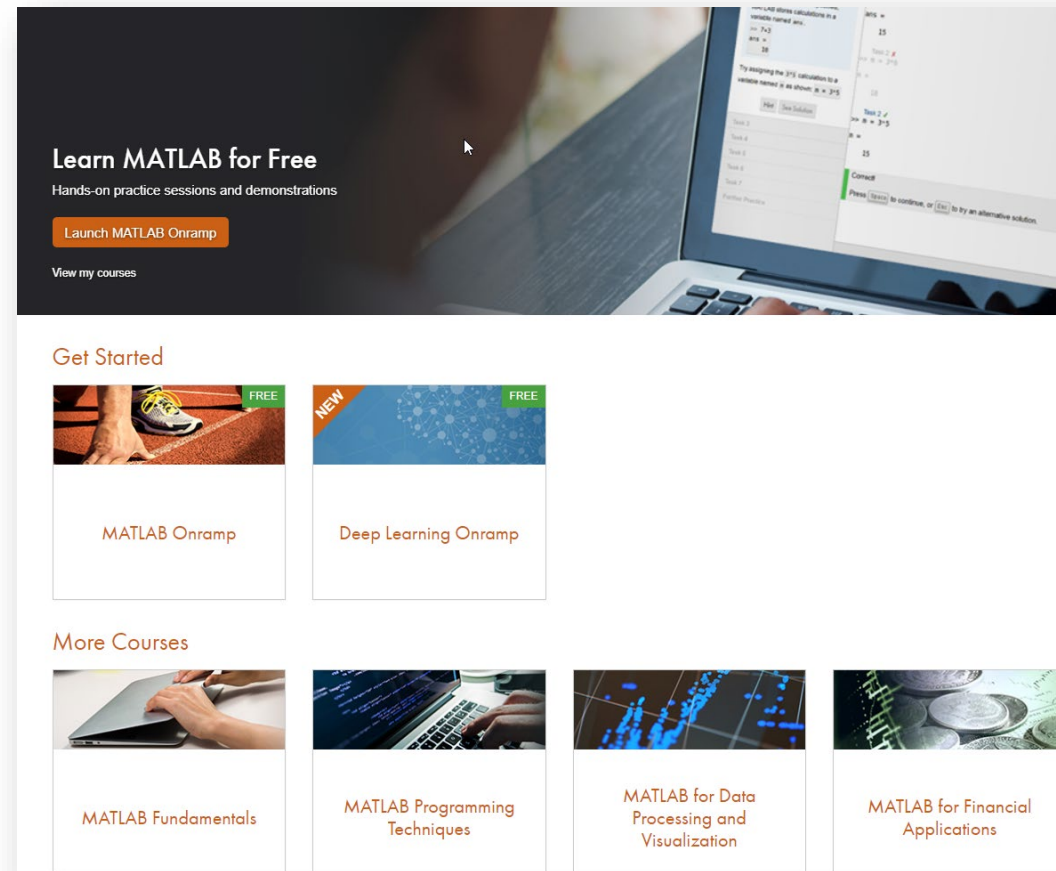
Interactive, Self-Paced Courses

Online Self-Paced MATLAB Courses

- Easy access from anywhere
- Built-in integration with MATLAB Online
- On-demand

Task Oriented Lessons

- Best practices and typical workflows
- Short illustrative videos
- Interactive pages
- Hands-on exercises with feedback



matlabacademy.mathworks.com

Campus-wide Access to Online Training Suite



Get Started



MATLAB Onramp

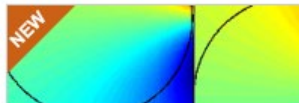


Deep Learning Onramp

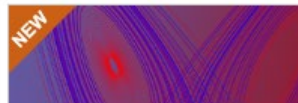
4 hours of introductory content to get students and faculty started

Computational Mathematics

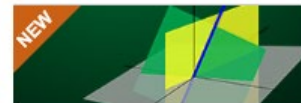
*Available only to users at universities that offer campus-wide online training access.



Solving Nonlinear Equations with MATLAB



Solving Ordinary Differential Equations with MATLAB



Introduction to Linear Algebra with MATLAB



Introduction to Statistical Methods with MATLAB

7 hours of solving Computational Mathematics with MATLAB

Core MATLAB Functionality



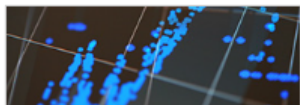
MATLAB Fundamentals



MATLAB Programming Techniques



MATLAB for Financial Applications



MATLAB for Data Processing and Visualization

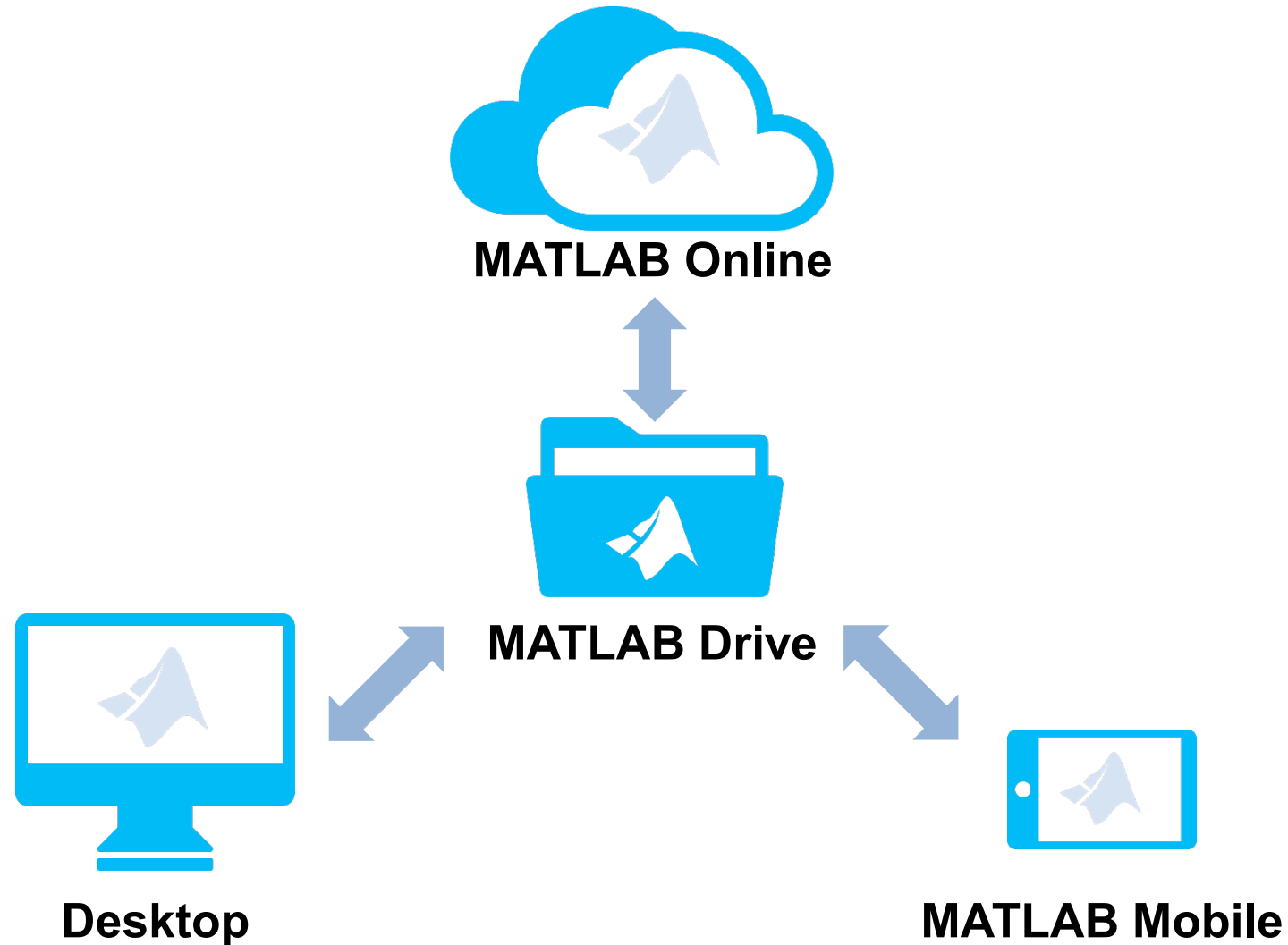


Machine Learning with MATLAB

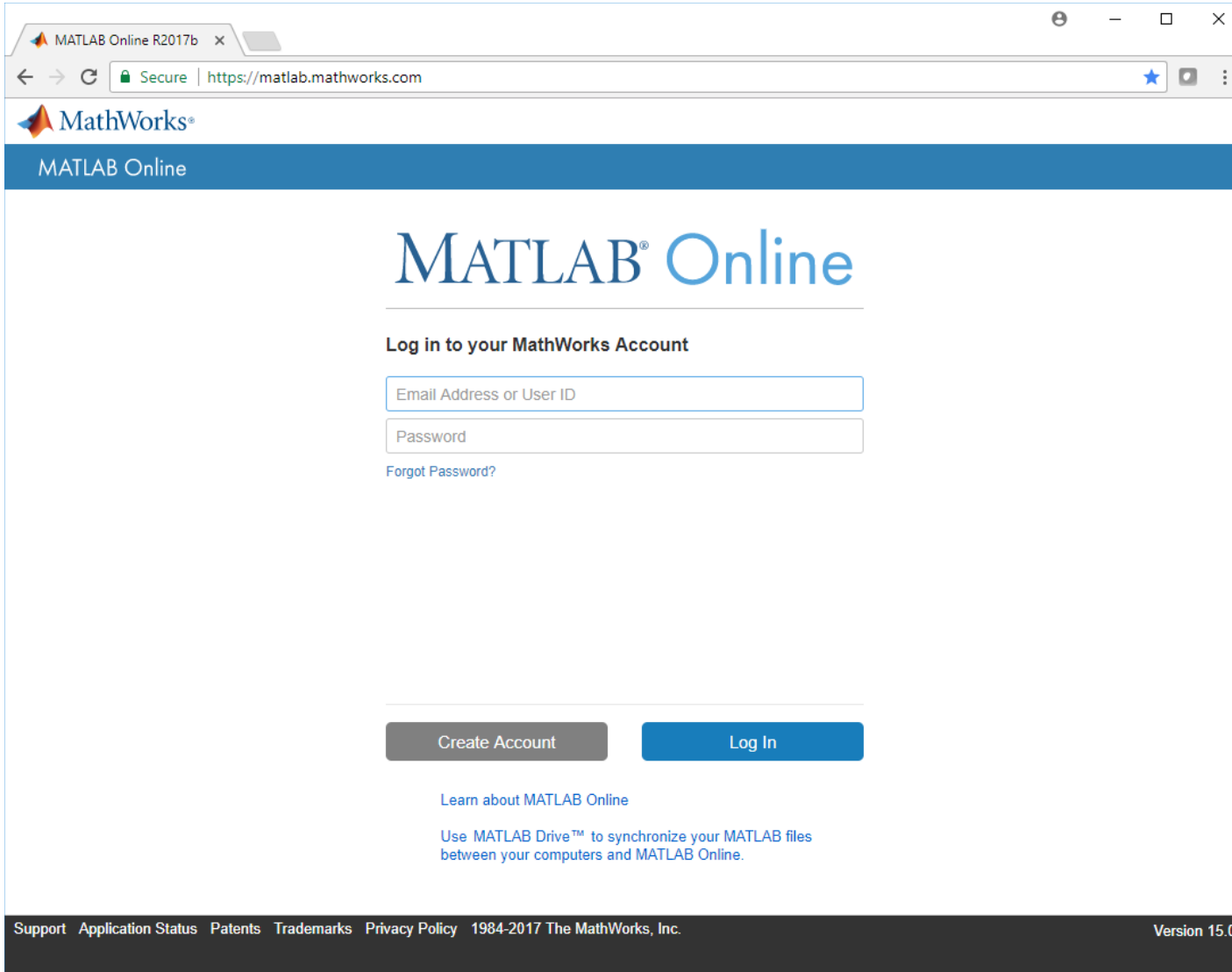
80 hours of developing and improving MATLAB skills

MATLAB Anytime Anywhere- Access these services from:

<https://www.mathworks.com/academia/tah-portal/university-of-gavle-40786369.html>



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MATLAB Online R2017b x

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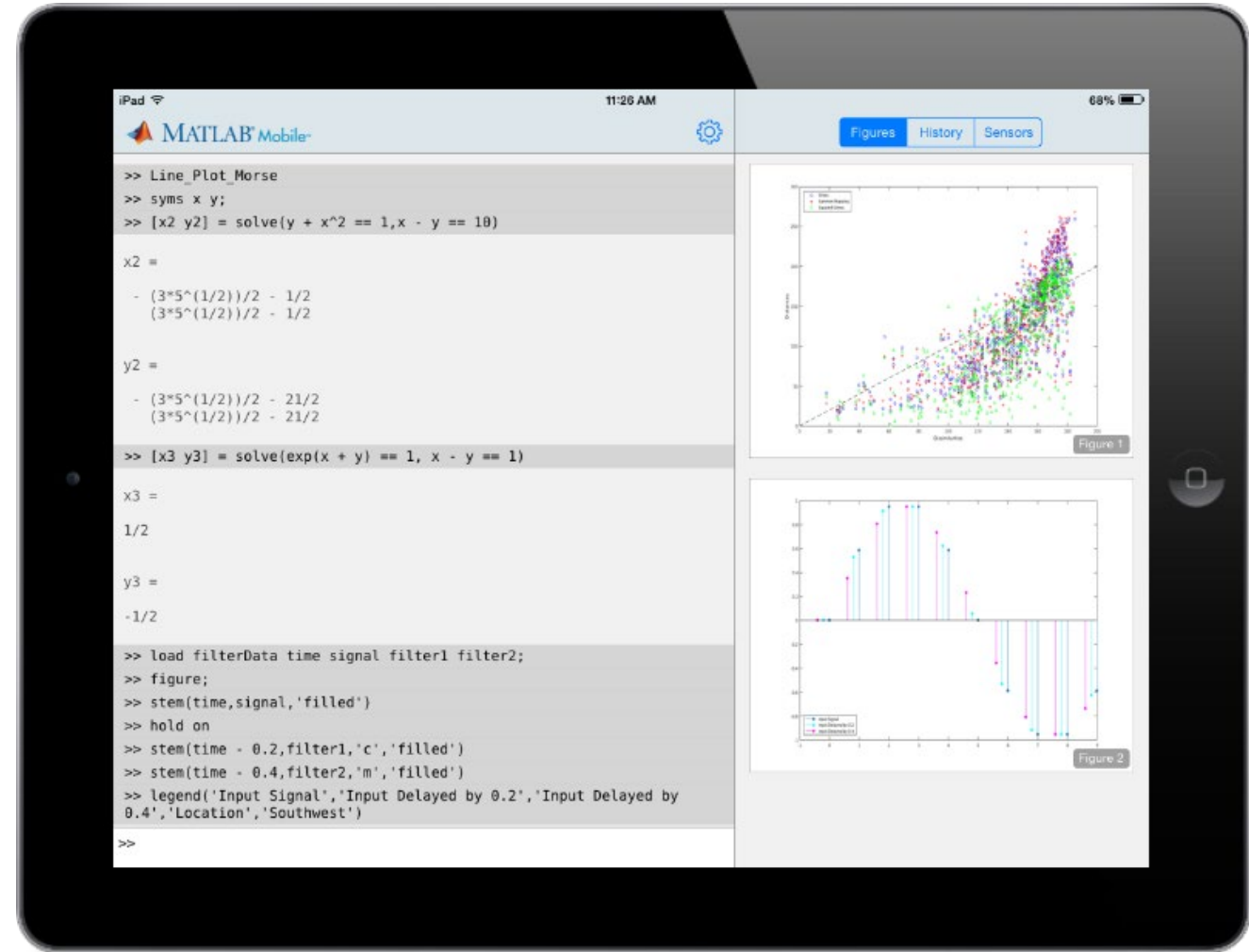
- No downloads
- No setup
- No installation
- No maintenance

- Just sign in at

matlab.mathworks.com or your University MATLAB Portal

- Use it anywhere, anytime, on any computer, laptop or Chromebook

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MATLAB & Simulink | Applications & Industries

Mathematical Modeling



Aerospace and Defense

Signals and Communications



Automotive

Control Systems



**Communications, Electronics,
Semiconductors**

Data Analytics



**Industrial Automation and
Machinery**

**Computer Vision and Image
Processing**



Energy and Chemical Production

Physical Modeling



Financial Services

Internet of Things



Biotech and Pharmaceuticals