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Syllabus

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Course Meeting Times

Lectures: 1 session / day for 5 days, 2 hours / session

Course Description


This course provides an aggressively gentle introduction to MATLAB®. It is designed to give students fluency in MATLAB, including popular toolboxes. The course consists of interactive lectures with a computer running MATLAB for each student. Problem-based MATLAB assignments are given which require significant time on MATLAB. To pass, a student must complete all four MATLAB assignments.

Prerequisites

Required: 6.001 *Structure and Interpretation of Computer Programs*, 18.03 *Differential Equations*
Recommended: 6.041 *Probabilistic Systems Analysis*, 18.06 *Linear Algebra*

Textbooks

The following textbook is required:

 Palm, William J. *Introduction to MATLAB 7 for Engineers*. New York, NY: McGraw-Hill, 2003. ISBN: 9780072922424.

MATLAB® Tutorials

[MATLAB tutorial](#)

[Another MATLAB tutorial](#)

[Signal Processing Toolbox](#)

Calendar

SES #	TOPICS
1	Variables, operations, and plotting
2	Visualization and programming
3	Solving equations and curve fitting
4	Advanced methods
5	Simulink®

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