MATLAB, autumn 2004

Date	Topic	Pages in User's Guide
9/9	Basic and scientific features, help, array operations	39–70
16/9	Simple plots, script files, text, relational and logical operations, linear algebra and matrices	71–88
23/9	Matrix manipulation, special matrices and control flow, M-file functions, data analysis	88–112
30/9	Polynomials, curve fitting and interpolation, numerical analysis	112–143
7/10	2-D and 3-D graphics	144–184
14/10	File operations, importing and exporting files with ascii and binary data	76–77, 107–108
21/10	Symbolic variables, conversion functions, variable substitution, differentiation and integration, single differential equation	185–205
28/10	The Laplace and z-Transform, Function Calculator	237–246
4/11	Fast Finite Fourier Transform and FFT to synthesize and analyse telephone dialing	247–266
11/11	Serial I/O; the Matlab profiler	

All lectures are in Room B2-109.

Literature:
(1995): The Student Edition of Matlab. User's Guide. Prentice Hall

Other Related Literature:

McClellan, Schafer & Yoder (1998): DSP First: A Multimedia Approach. Prentice Hall

Strang, Gilbert & Borre, Kai (1997): Linear Algebra, Geodesy, and GPS. Wellesley-Cambridge Press

Schedule and exercises can be copied from gps.auc.dk/~borre/matlab7

Good sites for MATLAB notes
www.owlnet.rice.edu/~ceng303/Matlab/MatCont.html
web.mit.edu/olh/Matlab/Matlab.html