

Summer Training I MATLAB for Engineers



Benha University

Computer Systems Engineering Electrical Engineering Department Faculty of Engineering (at Shoubra)

Course Title:	Summer Training I
Course Code:	MATLAB for Engineers
Duration:	18/08/2015 - 03/09/2015
Main Textbook:	Brian Hahn and Daniel Valentine. <i>Essential MATLAB for Engineers and Scientists</i> . 5 th Edition ¹ , Academic Press, 2013, ISBN 978-0123943989. ²
Other References	http://www.mathworks.com/help/matlab/
Other Resources:	
	http://www.gnu.org/software/octave/
Course Contents:	 Introduction to MATLAB Using MATLAB The Desktop Sample Program MATLAB Fundamentals Variables The Workspace Arrays: Vectors And Matrices Vertical Motion Under Gravity Soperators, Expressions, and Statements Output Repeating With for Becisions Complex Numbers Program Design and Algorithm Development The program design process Program functions and Data Import-Export Utilities Common functions Importing and Exporting Data
Attendance Policy:	 Attendance is mandatory. Side talking, cellphones, laptops, food/drinks, and walking³ are not allowed.
Grading System:	Attendance: 5০% Hands On: 5০%

¹ You can use a different edition if you already have one.

² This edition of the book is using MATLAB R2012b.

³ If you are late for the lecture, then you are allowed to walk into the lecture hall but quietly.