UNIVERSITY OF UTAH Department of Electrical and Computer Engineering ECE 1020 - Electrical Engineering Problem Solving with Matlab

Instructor: Dr. Angela Rasmussen Office: MEB 3254 Phone: 971-1096 (cell phone) Email: <u>angela.rasmussen@utah.edu</u>

Class Lecture: MEB 2555, W 9:40-11:35am (Lab W 2-5)

Class Website: <u>http://www.ece.utah.edu/~ece1020</u>

Required Software:	Matlab Student Version Relea The Mathworks, 2003	use 13 (or later)
Required Text:	Mastering Matlab 7 Duane Hanselman and Bruce Prentice Hall, NJ, 2001 ISBN: 0-13-143018-1	Littlefield
01	<i>Mastering Matlab</i> ® 6 Duane Hanselman and Bruce Prentice Hall, NJ, 2001 ISBN: 0-13-019468-9	Littlefield
Assignments:	All assignments are programs code as instructed by the TA	. For each assignment, hand in a "diary" of your Matlab for your section.
Grading:	Ten computing assignments (100 points each). You must do all the assignments and have <i>more</i> than 900 pts to receive a passing grade of $CR = credit$.	
Cheating:	Any form of cheating will result in an "E" grade. Students are encouraged to discuss assignments, but each student must do all their own work on assignments. Plagiarism is NOT accepted!	
Equal Access:	The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the instructor and to the Center for Disability Services, 162 Olpin Union Building, 518-5020 (V/TDD) to make arrangements for accommodations.	
	All written information in this course can be made available in alternative format with prior notification.	
	Any questions of concerns ab Olga Nadeau Director, CDS 162 Olpin Union Building 581-5020	out the above information may be directed to: Julene Persinger ADA Coord/Assoc Director, OEO/ER 135 Park Building 581-8365

UNIVERSITY OF UTAH

ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT

ECE 1020

Tentative Schedule

Summer 2012

All assignments are found on http://www.ece.utah.edu/~ece1020

Assignment	Date	Topic and Reading
	Due	
1-3	Aug. 29	CH 1: Getting started, CH2: Basic Features, CH3: The MATLAB© Desktop, CH4: Script M-files,
		CH5: Arrays and Array Operations, CH6: Multidimensional Arrays
4-6	Sept. 5	CH5: Arrays and Array Operations, CH6: Multidimensional Arrays
5&6	Sept. 12	CH9: Character strings
7	Sept. 19	CH10 and 11: Logical operators (And, Or) & Control flow (if, then, for, while), CH12: Function M- files
8-9	Sept. 26	Function examples, Error Correction Coding, Ch 14: File and directory management (file I/O)
10	Oct. 3	CH 26 & 27: Two & Three dimensional graphics