**Engr 2304 MATLAB & MathCad Homework assignments.**

* Matlab – format compact.
* Always test your code and output at least one example test.
* Clearly label chapter, section, problem number, and parts of problems.
* Only show what the problem requires.
* Type code and output figures IN LINE (not at end).
* Don’t list a large matrix. If needed list the top left 5 rows and 5 columns.
* Write publish script, publish to MS Word preferred (pdf OK), single space, set paragraphs to 0 points before and after paragraph, print out homework, and hand in.

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| Due | Subject | Activities & Assignments | Reading |
| Assignment 1 | Matlab Intro (Pratap) | Pratap 2.1 Exercises 2.1 Problems 2 & 4 | Pratap 1 & 2, Siemers 1 |
| Basic (Pratap) | Pratap 2.11 Exercises, Problems 1, 2 & 4 | Pratap 2, Siemers 1 |
| " | Pratap 2.2 Exercises, Problems 1, 3, & 5 | " |
| Assignment 2 | " | Pratap 2.3 Exercises, Problems 2, 4, 6, & 8 | " |
| " | Pratap 2.4 Exercises, Problems 2, 4, & 6 | " |
| Assignment 3 | " | Pratap 2.5 Exercises, Problems 2, 4, & 6 | " |
| " | Pratap 2.6 Exercises, Problems 1, 3, & 5 | " |
| " | Pratap 2.7 Exercises, Problems 2 & 4 | " |
| Assignment 4 | " | Pratap 2.8 Exercises, Problems 2, 4, & 6 | " |
| " | Pratap 2.9 Exercises, Problems 1 & 2 | " |
| " | Pratap 2.10 Exercises, Problem 1 – no output, just promise to practice this | " |
| Assignment 5 | Computations (Pratap) | Pratap Chap. 3 Exercises, All Problems, #1 – show code and spy output, #3 – show A starting after the fix command, #5 output code and figures – not all the matrices. | Pratap 3, Siemers 2 & 3 |
| Programming | Pratap Chap. 4 Exercises, All Problems. Copy and paste output generated by profile to Word document. | Pratap 4, Siemers 5, 6, & 7 |
| Assignment 6 | Applications | Pratap Chap. 5 Exercises, All Problems | Pratap 5, Siemers 8 & 9 |
| Assignment 7 | Graphics | Siemers Chap. 4 Exercises, All Problems | Pratap 6, Siemers 4 |
| Errors | Read Pratap Chap. 7 | Pratap 7 |
| Symbolic | Siemers Chap. 17 Exercises, All Problems (adapt from MathCad to Matlab) | Pratap 8 |
| Everything Else | Read Pratap Chap. 9 | Pratap 9 |
| Assignment 8 | Mathcad Intro | Siemers Chap. 10 & do p. 73 examples | Siemers 10 |
| Equations | Siemers Chap. 11, All Problems | Siemers 11 |
| Assignment 9 | Functions | Siemers Chap. 12, All Problems  Siemers Chap. 13, All Problems | Siemers 12 & 13 |
| Assignment 10 | Graphing | Siemers Chap. 14, All Problems  Siemers Chap. 15, All Problems | Siemers 14 & 15 |