MAT 1275/MA 275 COURSE INFORMATION F'06 (Technical Section)  Professor: Dr. A. Kramer
Text:  Mathematics for Electricity and Electronics, Third Edition by Dr. A. Kramer
Calculator: Scientific type with Trig functions: Sin, Cos & Tan [Graphics Calculator TI 83 for MA 375]

HELP: Help is available in the Liberal Arts Learning Center in the Atrium ground floor, and in the Tech Learning Center V217. It is your responsibility to study the book and complete all the work outside of class.
Tests: There will be three full period class tests and a final examination. If you miss any test you will get a zero in that test which will make it difficult for you to pass the course. There are no retests unless there is proof of a dire emergency. There are many ways to earn Extra Test Points. See below.

HOMEWORK ASSIGNMENTS (All problems are odd unless indicated)

Three underlined HW's must be handed in and checked by me. See note below.

Exponents and Systems of Measurement: p84/Error Box, p87/1-39 odd, 61-73 odd, 81*, 83*, 85*, 86
p93/Error Box, p94/1-49 odd, 53*, 55*, 52, 54, 58

Roots and Quadratic Equations: p71/1-19 odd, 21-45, 51-63 odd, p180/1-13, 21-31 odd, 37*, 38*, 39*, 40*, 42, 44

Graphs: p252/1-15 odd, 25, 27, 39*, 40*, 38; p257/1-17, 21-25 odd, 29*, 39*, 41*, 30

Determinants: p278/1-6 all, 7-17 odd, 35*, 36*, 37*, 39*, p273/31*, 32*, 33*, 34*, 35*

Angles and Right Triangle: p323/1-11 odd, 17-23, 25-33 odd, 45*, 46*, 44 p333/Error Box
p335/3-13 odd, 37-45 odd, 51, 53, 55, 63*, 64*, 65*, 67*, 68

Trigonometry of the Circle: p345/1-11 odd, 21-27 odd, 35*, 37*, 38; p350/1-9 odd, 17-25 odd, 33*, 37*, 38


p474/49, 51, 59, 63, 69, 73, 87*, 89* 92; p481/1-17 odd, 23*, 24*, 27*, 28

p406/1-7 odd, 21-27 odd, 39-45 odd, 55, 56

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Extra Test Points: 1 - 2 pts for putting a starred problem on the board
2 pts for handing in a boxed problem correctly.
1 pt for each mistake found on the board
1 - 10 pts for correcting mistakes on a test: A: 1 pt, B: 2 pts, C: 4 pts, D: 6 pts, F: 10 pts
2 - 5 pts for each extra research project announced in class
  Minus 10 points for each hand in homework not completed.

Extra Work: 5 pts for each Computer project (max 20 pts) consisting of five graphs, using EXCEL, MATLAB or
other graphing software from the following: p252/38, 40, 42 p257/6, 10, 14, 22, 30, 40; p363/6, 8, 14, 16
p371/50, 54; p374/23, 24; p378/34; p469/4, 8, 14, 16, 22; p477/62

COURSE GRADE = 2/3 [average of three tests + points] + 1/3 [final exam]