ENEE 380   **SPRING 2004**

TITLE: Electromagnetic Theory

INSTRUCTOR: T M. Antonsen Jr.
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                                    3339 A. V. Williams
                                    405-1635
                                    Office hours: Monday 3:00-5:00
                                    or by appointment

ROOM: CHE 2110

TIME: MWF   11:00 – 11:50

RECITATIONS:

TA: S. Rosenfeld (EGL 1153)
                                    shalom@umd.edu
                                    Office hours: Wednesday, 2:00 – 3:50

0101   W 1:00pm- 1:50pm   (EGR 3102)
0102   W 4:00pm- 4:50pm   (EGR 3102)

COURSE   Static electric and magnetic fields, Solution of
DESCRIPTION: boundary value problems, Steady electric currents
                                    Time varying fields and Maxwell's Equations

TEXT: Field and Wave Electromagnetics (2th edition)
                                    David K. Cheng, McGraw Hill, 1992.
                                    Course web site: http://www.ece.umd.edu/class/enee380

REFERENCE:
                                    Ramo, Whinnery and Van Duzer, Fields and Waves in
                                    Communication Electronics, (2nd Edition), J. Wiley and Sons, Inc.

HOMEWORK: Assignments will be handed out and collected in lecture.
                                    Some assignments will require MATLAB or its equivalent.

PROJECT: There will be a project involving the solution of a practical
                                    problem. A short report and presentation will be required.

EXAMS: There will be three exams: two midterms and a
                                    final exam. Grades will be assigned as follows.

Homework: **20%**
Project: **10%**
Exam 1: (Friday, March 5)   **20%**
Exam 2: (Friday, April 16)   **20%**
Final: (Saturday, May 15 8:00 – 10:00)   30%