TITLE: Electromagnetic Theory

INSTRUCTOR: T M. Antonsen Jr.  
antonsen@glue.umd.edu  
3339 A. V. Williams  
405-1635  
Office hours: Monday 1:00-3:00  
or by appointment

ROOM: CHE 2118

TIME: MW  3:30 – 4:45

RECIATIONS:  
TA: Kevin Landsman  
kevinlandsman@gmail.com  
Office hours: Wednesdays 11a-12p in 1143 AV Williams

380-0101  Tu 9:00am-9:50am (PLS 1113)  
380H-0101  Tu 10:00am-10:50am (PLS 1113)

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

TEXT: Field and Wave Electromagnetics (2th edition)  

REFERENCE:  
Ramo, Whinnery and Van Duzer, Fields and Waves in Communication Electronics, (2nd Edition), J. Wiley and Sons, Inc.  
Electrostatics with MATLAB, Eric Dunn (available on course web site)

HOMEWORK:  
Assignments will be made on the web.  
Some assignments will require MATLAB or its equivalent.

PROJECT:  
There will be a project involving the solution of a practical problem. More about this later.

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

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<tr>
<th>Component</th>
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<tbody>
<tr>
<td>Homework:</td>
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<td>Project:</td>
<td>10%</td>
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<tr>
<td>Exam 1: (TBA)</td>
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<td>Exam 2: (TBA)</td>
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<tr>
<td>Final: (Wednesday, Dec 18 1:30 – 3:30)</td>
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