

UNIVERSITY OF MARYLAND

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

ENEE 680

Fall 2011

**TITLE:** Electromagnetic Theory I

**INSTRUCTOR:** T M. Antonsen Jr.  
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3339 A. V. Williams II  
405-1635

**ROOM:** EGR 2116

**TIME:** MW 3:30 – 4:45

**OFFICE HOURS:** Monday 1:30-3:30, or by appointment.

**COURSE DESCRIPTION** Theoretical analysis and engineering applications of Maxwell's equations. Boundary value problems of electrostatics and magnetostatics.

**TEXT:** Classical Electrodynamics, J. D. Jackson (John Wiley and Sons, 3<sup>rd</sup> edition, ISBN 0-471-30932-X)

**EXAMS:** There will be three exams: two midterms and a final exam. Some of these will be take-home

**HOMEWORK:** Assignments will be posted on the web. Assignments may involve computation.

**GRADING:** Your course grade will be computed on the basis of 425 points apportioned as follows:

Two midterms	200
Final: (Usually take-home, due around Dec. 20)	125
Homework	<u>100</u>
	425