

UNIVERSITY OF MARYLAND
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

ENEE 680

Fall 2012

TITLE: Electromagnetic Theory I

INSTRUCTOR: T M. Antonsen Jr.
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TEACHING ASSISTANT: Yen-Hao Yeh
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1145 A.V. Williams
Office hours: Tuesdays 3:00 – 4:00

ROOM: EGR 3114

TIME: MW 3:30 – 4:45

Problem Session: M 5:00 pm-6:00 pm ([EGR 3114](#))

OFFICE HOURS: (TMA) 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, 3rd 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