

VILLANOVA UNIVERSITY
Physics Department

PHYSICS 4000
ELECTRICITY & MAGNETISM I

FALL 2012
M. BESSON

Textbook: *Introduction to Electrodynamics*, 3rd ed., by David J. Griffiths.

Exams: There will be one or two one-hour tests, each worth 100 points, and a final exam worth 200 points.

Assignments will be made periodically. These will be collected, graded and returned. The total number of points on all the assignments will be worth the equivalent of one exam (100 points).

Grades: The passing grade for the course is 55%.

Prerequisite: Math Physics I

Major Topics:

Electrostatics	Chs. 2, 3
Electric Fields in Matter	Ch. 4
Magnetostatics	Ch. 5
Magnetic Fields in Matter	Ch. 6
Electrodynamics	Ch. 7