

Physics 301

Electrodynamic Fields Fall Semester 2005

Room: Seaver Hall 109
Time: MWF 10:00 - 10:50 AM

Instructor: Dr. Gabriele Varieschi
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Required Text: **David J. Griffiths – Introduction to Electrodynamics – Third Edition – Prentice Hall** (we will try to cover chapters 1-7 of this book in the first semester; we will finish the book during the second semester).

Other useful books: Serway – Physics for Scientists and Engineers, Vol.2 – Thomson (for an elementary introduction to electromagnetism).
(not required) Reitz, Milford & Christy – Foundations of Electromagnetic Theory – Addison Wesley (another popular undergraduate text).
John D. Jackson – Classical Electrodynamics – Wiley (a leading graduate level textbook).

Tests: There will be three tests during the semester. They will all count toward your final grade, so please try not to miss any of them.

Test Dates: TBA

Final Exam: Friday, Dec. 16, 8:00-10:00 am.
The final exam is cumulative and is equivalent to 2 tests.

Homework: Homework assignments will be given, typically one for each chapter of the book. Problem sets will be collected, graded, and will count toward the final grade. Solutions to the problems will be reviewed in class, with student participation.

<i>Grading:</i>	Class Attendance & Participation	10 %
	Homework	15 %
	Test 1	15 %
	Test 2	15 %
	Test 3	15 %
	Final Exam	30 %

Grading (approx.): <50%=F; 50-54%=D; 55-69%=C range; 70-84=B range; >84=A range.

Have a good semester. Good luck !