

Physics 302

Electromagnetic Waves Spring Semester 2005

Room: Seaver Hall 109
Time: MWF 1:00 - 1:50 PM

Instructor: Dr. Gabriele Varieschi
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Required Text: **David J. Griffiths – Introduction to Electrodynamics – Third Edition – Prentice Hall** (we will try to 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: TBA, Exam week May 2-6.
The final exam is cumulative and is equivalent to 2 tests.

Homework: Homework assignments will be given, typically one/two 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.

Grading:

Homework	15 %
Test 1	17 %
Test 2	17 %
Test 3	17 %
Final Exam	34 %

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

Have a good semester. Good luck !