Physics 302

Electromagnetic Waves

Spring Semester 2006

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

Instructor: Dr. Gabriele Varieschi
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Office hours: Tue. & Fri. 2:00 pm – 3:00 pm; Wed. 3:00 pm – 4:00 pm, and by appointment.
Web page: http://myweb.lmu.edu/gvarieschi/

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).
John D. Jackson – Classical Electrodynamics – Wiley (a leading graduate level textbook).

Tests:
There will be four tests during the semester. Typically one at the end of each chapter. They will all count toward your final grade, so please try not to miss any of them.

Test Dates:
Immediately after the homework review for each chapter.

Final Exam:
Friday, May 5th – 8:00am-10:00am.
The final exam is cumulative.

Homework:
Homework assignments will be given, typically one/two for each chapter of the book. Solutions to the problems will be reviewed in class, with student participation.

Grading:
(tentative)
Class Attendance & Participation 5%
Homework 5%
Test 1 15%
Test 2 15%
Test 3 15%
Test 4 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!