

# Physics 302

## Electromagnetic Waves Spring Semester 2009

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

*Instructor:* Dr. Gabriele Varieschi  
*Office:* Seaver Hall - 110  
*Phone:* (310) 338-7632

*E-mail:* [gvarieschi@lmu.edu](mailto:gvarieschi@lmu.edu)  
*Office hours:* Mon., Wed. & Fri. 2:00 pm – 3:00 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).  
*(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 two 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 - The final exam will probably be a take-home-exam.

*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)*

Homework	20 %
Test 1	20 %
Test 2	20 %
Final Exam	40 %

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

**Have a good semester. Good luck !**