

# Physics 302

## Electromagnetic Waves Spring Semester 2006

- 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:* 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).  
*(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 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 5<sup>th</sup> – 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)
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| 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 !**