

PHY4324-0001 Electricity & Magnetism II (13128)
Spring 2016

Instructor: Dr. Lee Chow

Prerequisite: PHY3323, or equivalent. **Credit:** 3 credit hours.

Classroom: MSB 306

Textbook:

“Introduction to Electrodynamics” 4rd Edition (2013) by D. J. Griffiths (Prentice-Hall).

This course is the second part of the required two semester Electricity & Magnetism course for Physics majors. We will cover all time dependent phenomena related to Electricity and Magnetism including Maxwell equations, radiation, and special relativity. E&M is one of the cornerstone courses for physics major. It is fairly mathematical and can be learned only by practice.

Homework, assigned and collected weekly, is a very important part of the course. Most home works are not easy and require students to struggle through the problem. It is normal to spend a large amount of time on homework. In addition, quiz will be given weekly.

Semester Dates

Classes Begin	Jan. 11
Martin Luther King Day	Jan. 18
Exam-1	Feb. 26
Spring Break	March 7-12
Withdraw deadline	March 23
Exam-2	April 8
Classes end	April 26
Final	May 4, (10:00am – 12:50pm) Wednesday.

Office Hour Monday, Wednesday 1:30pm - 2:20pm, Rm: PS410.

Recitation Hour To be announced.

Learning Assistant To be announced.

Starting 2014, UCF is required to document students' academic activity at the beginning of each semester. In order to do so, you are required to complete an academic activity on Webcourse by the end of the first week of classes (Jan. 16) or as soon as possible after added into the class. Failure to do so may result in a delay in the disbursement of your financial aid.

Grade Policy

The final grade will be decided based on:

Final	200 points
Two midterms	200 points
Homework	100 points
Quiz	100 points
Total	600 points.

The grading scales will be based on the following

A	80 - 100 %
B	70 - 79 %
C	60 - 69 %
D	50 - 59 %
F	less than 49%

For borderline cases, plus and minus will be given such as A-, B+, B-, C+, C-, D+.

Tentative schedule

Chapter 6	Jan.11 – Jan. 22
Chapter 7	Jan. 25 – Feb. 5
Chapter 8	Feb. 8 – Feb. 26
Chapter 9	Feb 29 – March 18
Chapter 10	March 21 – April 1
Chapter 11	April 4 – April 15
Chapter 12	April 18 – April 27