

PHY4324-0001 Electricity & Magnetism II (16878)
Spring 2017

Instructor: Dr. Lee Chow

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

Classroom: MSB 306, MWF 11:30am – 12:20pm.

Office Hour: PS410, MWF 1:30-2:30pm.

Textbook: “Introduction to Electrodynamics” 4rd Edition (2013) by D. J. Griffiths.

Course Goals: To provide students with knowledge and problem solving skill in electricity and magnetism.

Course Description:

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.

Course Requirements:

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 typical to spend large amount of time on homework. In addition, quiz will be given weekly. There will be two midterms and one final during the final exam period.

Semester Dates

Classes Begin	Jan. 9
Martin Luther King Day	Jan. 16
Exam-1	Feb. 17
Spring Break	March 13-18
Withdraw deadline	March 22
Exam-2	March 31
Classes end	April 24
Final	April 26, (10:00am – 12:50pm) Wednesday.

Recitation Hour To be announced.

Teaching 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. 13) 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.

Makeup exam policy:

Standard department policy applied. Please see instructor for details.

Grade Policy

The final grade will be decided based on:

Final	200 points
Two midterms	200 points
Homework	150 points
Quiz	100 points
Presentation	50 points
Total	700 points.

Class notes and homework problems are posted at my website at www.physics.ucf.edu/~lc
The (UserID, password) for the class are (PHY4324, 16878).

The grading scales will be based on the following

A	85 - 100 %
B	75 - 84 %
C	65 - 74 %
D	55 - 64 %
F	less than 55%

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

Tentative schedule

Chapter 6	Jan.9 – Jan. 20
Chapter 7	Jan. 23 – Feb. 3
Chapter 8	Feb. 6 – Feb. 24
Chapter 9	Feb 27 – March 16
Chapter 10	March 19 – March 30
Chapter 11	April 2 – April 13
Chapter 12	April 16 – April 25