

PHY3323-0001 Electricity & Magnetism I, Class# 83320
Fall 2020, TBA, Tu&Th 9:00-10:20am

Instructor: Dr. Lee Chow

Prerequisite: PHY2049 and MAP2302, or equivalent.

Classroom: TBA, Time: Tu&Th 9:00am – 10:20am

Credit: 3 credit hours.

Textbook:

“Introduction to Electrodynamics” 4th Edition, (2017) by D. J. Griffiths (Cambridge). ISBN: 9781108420419

This course is the first part of the required two semester Electricity & Magnetism course for Physics majors. E&M is one of the cornerstone courses for physics major. It involves a lot of math and can be very abstract, but at the same time, it also has practical implications in our everyday life ranging from radio, television, cellphone to internet communication.

Homework, assigned and collected weekly, is a very important part of the course. Most homeworks are not easy and require students to struggle through the questions. It is quite normal to spend a fair amount of time on homework.

Special notes

Due to COVID-19, this course will be delivered through Zoom during the official class scheduled period. I will send out email invitation the day before each class. Office hours will also be conducted through Zoom right after the classes on Tuesday and Thursday at 10:30am.

Semester Dates

Classes Begin	Aug. 24
Test #1	Sept. 24
Test #2	Oct. 29
Withdraw deadline	Oct. 30
Labor Day	Sept. 7
Veterans Day	Nov. 11
Thanksgiving	Nov. 25-27
Classes end	Dec. 4
Final	TBA

Office Hour: Tu&Th 10:30 - 11:20am, (Through Zoom)

Note:

UCF is required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the syllabus quiz on Webcourse by the end of the first week of classes (8/28), or as soon as possible after adding the course. Failure to do so will result in a delay in the disbursement of your financial aid.

Grade Policy

The final grade will be decided based on the following:

Final	200 points
Two mid-term exams	200 points
Homework	150 points
Quiz through Webcourse	100 points
<u>Project</u>	<u>50 points</u>
Total	700 points.

Class notes and homework problems are posted on Webcourse.

Tentative schedule

Chapter 1	Aug. 24 – Sept. 4
Chapter 2	Sept 7 – Sept 25
Chapter 3	Sept. 28 - Oct. 16
Chapter 4	Oct. 19 – Oct. 30
Chapter 5	Nov. 2 – Nov. 17
Chapter 6	Nov. 19 – Dec. 4

The final letter grade will be determined based on the following proposed breakdown:

A	85 - 100
B	75 - 84
C	65 - 74
D	55 - 64
F	less than 54

Plus (+) and minus (-) will be considered for borderline cases.