PHY3323-0001 Electricity & Magnetism I, Course ID 008408, Class# 87939  
Fall 2016, MSB306, MWF 9:30-10:20am

**Instructor:** Dr. Lee Chow

**Prerequisite:** PHY2049 and MAP2302, or equivalent.

**Classroom:** MSB306, Time: MWF 9:30am – 10:20am

**Credit:** 3 credit hours.

**Textbook:**


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 home works are not easy and require students to struggle through the questions. It is quite normal to spend a large amount of time on homework. To help, I will organize a regular weekly problem solving session. Location to be determined.

**Semester Dates**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes Begin</td>
<td>Aug. 22</td>
</tr>
<tr>
<td>Test #1</td>
<td>Sept. 23</td>
</tr>
<tr>
<td>Test #2</td>
<td>Oct. 21</td>
</tr>
<tr>
<td>Withdraw deadline</td>
<td>Oct. 31</td>
</tr>
<tr>
<td>Labor Day</td>
<td>Sept. 5</td>
</tr>
<tr>
<td>Veterans Day</td>
<td>Nov. 11</td>
</tr>
<tr>
<td>Thanksgiving</td>
<td>Nov. 24-26</td>
</tr>
<tr>
<td>Classes end</td>
<td>Dec. 3</td>
</tr>
<tr>
<td>Final</td>
<td>Dec. 9, (7:00 am – 9:50 am)</td>
</tr>
</tbody>
</table>

**Office Hour:** MWF 10:30 - 11:20am, PSB410.  
**Recitation:** To be announced.

**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 (8/26), 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:

- Final: 200 points
- Two mid-term exams: 200 points
- Homework: 150 points
- Quiz & (Clicker): 100 points
- Presentation: 50 points
- Total: 700 points.

Tentative schedule

- Chapter 1: Aug. 22 – Sept. 2
- Chapter 2: Sept 5 – Sept 23
- Chapter 3: Sept. 26 - Oct. 14
- Chapter 4: Oct. 17 – Oct. 28
- Chapter 5: Oct. 31 – Nov. 16
- Chapter 6: Nov. 18 – Dec. 2

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.