PHY4324-0001 Electricity & Magnetism II – 3 credit hours
Spring 2010

Instructor: Prof. Abdelkader Kara
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This course is the second part of the required two semester Electricity & Magnetism course for Physics majors. The course addresses: magnetic field in matter, electrodynamics, electromagnetic waves and links to radiation and special relativity. This course requires a significant amount of quantitative computations. Homework, assigned and collected regularly, is an important part of the course.

Prerequisite: PHY2049 and MAP2302, or equivalent, and preferably PHY3223.


Semester Dates:

Classes begin January 11th
Classes end April 26th
Final April 28th, 10 a.m. – 12:50 p.m.

Office hours: MW: 12:30-2:00PM

Exams:

First one hour test – February 19th: Chapters 6 to 8
Second one hour test – April 9th: Chapters 9 to 11
Final exam – Cumulative

Grade Policy:
The final grade will be decided based on:
[Final (40%)] + [Two 50 min tests 20% + 20% = 40%] + [Homework 20%]

All examinations will be closed book and closed notes. NO GRADE INFORMATION WILL BE GIVEN OVER THE TELEPHONE or by email.

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<th>85%-100%</th>
<th>73%-84.99%</th>
<th>60%-72.99%</th>
<th>50%-59.99%</th>
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MISSED WORK POLICY: It is Physics Department policy that making up missed work will only be permitted for University-sanctioned activities and bona fide medical or family reasons. Authentic justifying documentation must be provided in every case (in advance for University-sanctioned activities). At the discretion of the instructor, the make-up may take any reasonable and appropriate form including, but not limited to the following: a replacement exam, replacing the missed work with the same score as a later exam, allowing a 'dropped' exam, replacing the missed work with the homework average.