
Topics to be covered:

1. Chapter 1: Vector Algebra
2. Chapter 2: Coordinate Systems and Transformations
3. Chapter 3: Vector Calculus
4. Chapter 4: Electrostatic Fields
5. Chapter 5: Electric Fields in Material Space
6. Chapter 6: Electrostatic Boundary-Value Problems
7. Chapter 7: Magnetostatic Fields
8. Chapter 8: Magnetic Forces, Materials, and Devices
9. Chapter 9: Maxwell’s Equations

Grading system:

1. Exam #1: 30%. Date: Sunday, 1/7/2012, in class!
2. Exam #2: 30%. Date: Monday, 16/7/2012, in class!
3. Final exam: 40%

References: Any book on basic Electromagnetics, e.g., Wentworth, D. Cheng, Skitek & Marshall, Paul & Nassar, Kraus, Schaum’s series on EM, ...

Office Hours:

- Monday, & Wednesday: 10:15-11:45

General rules

- Attendance will be taken every lecture. If your absence exceeds 10%, without valid excuse, then you will be prevented from continuing to attend the course. In case there is a valid excuse for not attending a lecture, you need to present this excuse to me within 2 working days from your absence. You have to attend even if this is not the first time you register for the course.

- A copy of the notes is available in JUST and Al-Atheer copy centers. I encourage you to make a copy for yourself, and bring it with you to class. A copy of the notes is also available on the web.

- I might allow for a formulae sheet in the exams. Check exam rules on the web.

- Check www.just.edu.jo/~nihad/courses.html

- Come on time to class.

- Know your rights and duties. Get serious!!