

ELECTROMAGNETICS I

EE203

Text Book:

ENGINEERING ELECTROMAGNETICS, By Willam H. Hayt, 5th Edition

References:

- 1) ELECTROMAGNETICS, By John D. Kraus
- 2) THEORY AND PROBLEMS OF ELECTROMAGNETICS, Schaum's Outline Series, by Joseph A. Edminister.

Instructor:

Dr. Zeyad Al-hekail
Room: 2C92
Office hours : to be announced

Course Content:

Vector Analysis
Coulombs Law and Electric Field Intensity
Electric Flux Density, Gauss's Law and Divergence
Energy and Potential
Conductors, Dielectric, and Capacitance

Grading:

20% First Midterm Exam (on 19/10/1413H at 5:00 PM)
20% Second Midterm Exam(on 3/12/1413H at 5:00 PM)
40% Final Exam
20% Homework, quizzes, attendance and participation