

Fall 2015

ENEE 3560

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University of New Orleans

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Syllabus

ENEE 3560 Engineering Electromagnetics I: 3 Credits

Prerequisite courses

MATH 2115, 2221 and ENEE 2551

Prerequisite topics

Physics (electricity and magnetism); vector algebra; calculus of several variables; circuit analysis

Day, time, and place of class meetings

Tu & Th 9:30 to 10:45 AM, Eng Rm 316

Instructor, contact information & office hours

Dr. Rasheed Azzam

Eng Rm 853, Ext. 36181, razzam@uno.edu

Office hours: 12:00 – 1:30 PM, Tu & Th

Textbook

F. T. Ulaby, E. Michielssen, and U. Ravaioli, *Fundamentals of Applied Electromagnetics*, 6th ed., Pearson Prentice Hall, 2010 (ISBN: 0-13-213931-6).

Chapters covered

1. Review of waves and phasors; 2. Transmission lines; 3. Vector analysis; 4. Electrostatics; 5. Magnetostatics ; and 6. Maxwell's equations for time-varying fields

Course goals

Competency in transmission line analysis and the laws that govern electric and magnetic fields, and their application in electrical engineering.

Exam schedule

First midterm will be scheduled upon completion of Chapters 1 and 2; second midterm upon completion of Chapters 3 and 4 with at least 1-week advance notice ahead of each exam. Final exam is comprehensive and scheduled at the date and time set by the Registrar.

Grading System

5% Attendance; 10 % Homework; 40 % Midterm exams; 45% Final exam

Statement on academic integrity

Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty will not be tolerated. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty. Refer to the Student Code of Conduct for further information. The Code is available online at <http://www.studentaffairs.uno.edu>.

Students with disabilities

It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities should contact the Office of Disability Services as well as their instructors to discuss their individual needs for accommodations. For more information, please go to <http://www.ods.uno.edu>.

See Attachment for Additional Information