

EEE 340, Electromagnetic Engineering I, Spring 2002

Instructor:

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Regular lectures: MTW 1:40-2:30pm, PSA 203

Special lectures (by announcement) or independent study: F 1:40-2:30pm, PSA 203.

Office Hours: MTW 2:40-3:30pm and by appointment, **GWC668**.

Course content:

Electrostatics, magnetostatics, boundary value problems, and Maxwell's equations.

Prerequisites: MAT270-2, MAT 362, PHY 131-2.

Text: Matthew N. O. Sadiku, *Elements of Electromagnetics*, 3rd Ed. (Oxford, 2001).

Topics:

1. Vector analysis (Chapters 1-3);
2. Electrostatics (Chapters 4-6);
3. Magnetostatics (Chapters 7, 8);
4. Maxwell's equations (Chapter 9).

Student responsibilities:

1. Attending class regularly and reading textbook;
2. Completing and turning in homework assignments in time (about 10 times - 20%). Note: late homeworks will not be accepted;
3. Taking exams: two midterm exams - 40% (20% each), and a final exam (40%). Note: no make-up exams.

Final exam: 12:20-2:10pm, Thursday, May 2, PSA 203.