

Lectures:

3 sessions/week; M/W/Th 11:10am-noon

Required Text

David J. Griffiths. *Introduction to Electrodynamics*. (3rd edition).

Recommended Books

At a level lower than our course you may consult:

Halliday, Resnick, and Krane. *Physics*. Volume 2.

R. P. Feynman. *The Feynman Lectures on Physics*. Volume 2.

E. M. Purcell. *Electricity and Magnetism*.

At a level higher than our course, the classic textbook is

J. D. Jackson. *Classical Electrodynamics*. (3rd edition).

Jackson's book will be useful for you in any advanced EM course, but Griffiths is less daunting to read, more elementary and pedagogical.

Homework

It is very important to keep up with the homeworks as they illustrate the principle covered in class. Homework assignments are typically given out on the last day of class each week (Thursdays) and are due one week later. Late homework will receive 50% credit. The solutions will be posted on WebCT the first Monday after the due date. No homeworks will be graded after this point. Collaboration and discussion in doing the homework is very much encouraged, but you must write your own solution, i.e., do not submit identical solutions!

Tests

There will be 1.5 hour in-class test in the second month of the term and a final exam.

Grading

Test one 30%, final test 30%, and homework 40%.