

Physics 4211 (Winter 2015):

Electromagnetics

Instructor: Dr. Mark Gallagher
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Lectures: Tues. and Thurs. 10:00AM to 11:30AM in CB4122.
Office Hours: Tues. and Thurs. 1:00PM to 2:30PM.

Course Site: access through “*myCourseLink*” using university “*myEmail*”
username and password.

Textbook: *Introduction to Electrodynamics, 4th Edition*, by Griffiths.

Marking Scheme:

Assignments (approx. biweekly).....10%
Midterm I (Tues. Feb. 3rd).....20%
Midterm II (Tues. Mar. 10th)20%
Final Exam50%

Topics:

Griffiths

Review of ElectrostaticsChapter 2
Laplace Equation, Method of Images, Multipole ExpansionChapter 3
Electric Fields in Matter.....Chapter 4
MagnetostaticsChapter 5
Magnetic Fields in MatterChapter 6
Electrodynamics.....Chapter 7
Conservation Laws.....Chapter 8
Potentials and FieldsChapter 10
RadiationChapter 11