Classical Physics: Electromagnetism (4420), spring 2009

http://www.physics.utah.edu/~mishch/4420/4420.html

Class meets:
10:45 AM - 12:05 PM, Tuesday and Thursday at WBB 517 (lectures, E. Mishchenko)
2 PM - 2:45 PM, Friday (homework discussions, E. Twarog)

Instructor:
Eugene Mishchenko, Room 313 JFB, Phone: 581-7115, E-mail: mishch@physics.utah.edu
Office hours: Tuesday and Thursday, 3:00-4:00PM, or by appointment

Secretary: Heidi Frank, JFB 201B, Phone: 581-5697, E-mail: heidi@physics.utah.edu
Teaching Assistant:
Eric Twarog, Room 205 WBB, E-mail: elric@physics.utah.edu
Office hours: Wednesday 10 AM - 11:30 AM or by appointment

Textbook:
Griffiths, Introduction to Electrodynamics, 3rd edition

Grading policy:
Homeworks (11): 10 points each, 110 points total
Midterm test: 70 points
Final test: 100 points

No make-up tests.

Homeworks are due prior to Thursday classes every week [no homeworks for the week immediately after a midterm]. Exceptions: emergencies, only if well documented.

Midterm (tentative):
Tue Mar 10

Contents (tentative):
Vector Analysis (2 classes)
Electrostatics (3 classes)
Special Techniques (2 classes)
Electric Fields in Matter (3 classes)
Magnetostatics (3 classes)
Magnetic Fields in Matter (3 classes)
Electrodynamics (3 classes)
Electromagnetic Energy (1 class)
Electromagnetic Waves (3 classes)
Radiation (3 classes)
Relativity (2 classes)

Final test: Take-home or in-class. If the latter – Wed May 6, 10:30AM-12:30PM. Final test is mandatory for passing the course.