Examinations and Grades

There will be one closed-book preliminary examinations and a standard two and one-half hour closed-book final examination. The preliminary exams will be given during an extended recitation section on **Wednesday Oct. 20, 2004, 1:20 to 2:50 pm**. The final exam will be held on **Wednesday, Dec 15, 2004, from 9:00-11:30 a.m.**. Please reserve these dates and contact me immediately if you have a conflict. It is Cornell University policy that “Students requiring a make-up exam for any reason must speak to the faculty member(s) involved before registering for the course.”

The preliminary exam will be worth 30% of the semester grade. The final exam will be worth 40% of the grade.

Problem Sets

There will be approximately 10 problem sets during the semester. 30% of the course grade will be based on homework. Problem sets are due at the end of class on Monday. Late problem sets will not be accepted; however, one assignment may be missed totally without penalty. Students are encouraged to work together on problem sets; however, **each student must hand in an independent write-up.**

Text Book


**Please turn off your cell phones in the class!**
AEP 355 Course Description

Vector analysis

Electrostatics

Electrostatics in conductors and dielectrics

Work and energy in an electric field

Boundary conditions

Image charge

**Mid-term Exam**

Laplace equation

Multipole expansion

Lorentz force

Magnetostatics

Magnetostatics in matter

Faraday's law and induction

Work and energy in a magnetic field

Maxwell equations

**Final Exam**