Instructor

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Lectures

Tu, Th 9:30 — 10:50 Mayer Hall Addition 2623

Homework

Will be assigned during lecture, and solutions will be posted on the web at http://physics.ucsd.edu/students/courses/spring2011/physics203b/

Close cousins to the homework problems will appear on the mid-terms and final.

Grade

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Lecture notes will be posted on web at http://physics.ucsd.edu/students/courses/spring2011/physics203b/

Texts

1. *Classical Theory of Fluids* by Landau and Lifshitz
2. *Classical Electrodynamics* by Jackson

Outline

1. Boundary value problems in electrostatics and magnetostatics
2. Electromagnetic waves and geometrical optics
3. Drude model for \( \varepsilon(\omega) \)
4. Magnetic diffusion and skin depth
5. Wave guides
6. Radiation