

PHY7600 Syllabus

Prerequisites: PHY6610. This is a 3-hrs credit course.

Intended audience: Graduate students.

Synopsis: Electrostatics, Boundary value problems, Multipoles, dielectrics, magnetostatics, Maxwell equations.

Textbook: J. D. Jackson, Classical Electrodynamics, Third Edition, Wiley, ISBN 978-00471030932-1.

Lecture Notes: Originally written by Prof. J. Wadehra, with updates.

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- Office hours: MW 12:00-1:30.
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Homeworks: One per chapter, Approximately 7 problems per homework. Since I expect to cover 5 or 6 Chapters, it will be 5 or 6 homeworks. **Exams:** Two intermediate exams (four problems per exam), one final exam (six problems).