Syllabus

PHYS 451 Introduction to Quantum Mechanics

Instructor: Dr. L. Cremaldi

Text: "Introduction to Quantum Mechanics" by David Griffiths 2nd ed

Office: 209 Lewis Hall

Office hours: 9:00-11:00 M W and by appointment

Description

Introduction to Quantum Mechanics beyond Modern Physics- Operator Formalism, Hilbert Spaces, 1-D and 3-D Problems Revisited, Angular Momentum Formalism, Identical Particles, Perturbation Theory, Scattering.

Grading Scheme

3 Exams + Final 50% Weekly Homework Assignments 40% Special Project 10%

Supplementary Materials

Introductory Quantum Mechanics - Richard L. Liboff Quantum Physics - Stephen Gasiorowicz Understanding Quantum Mechanics - Roland Omnes