

PHYS 482/682 Quantum Mechanics

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Second Semester of Introduction to Quantum Mechanics and the interpretation of its solutions, Perturbation and Scattering Theory.
3 credits.

- Class TTh 11:30-12:45 BPB 248.
- Office Hours TTh 12:45-1:30 or by arrangement.
- Textbook “Quantum Mechanics” by Griffith
- Homepage for course <http://www.physics.unlv.edu/~lepp/classes/phy482/index.html>
- Grading will be distributed among:
 - Homework. I will assign problems, unless stated otherwise, problems are due the next class period. Possibly occasional quiz.
 - Discussion
 - Tests. There will be a midterm roughly half way through the semester.
 - Final is on Thursday May 10 at 10:10 AM

Week	Chapter	Subject
1	6	TIPT
3	7	Variational
5	8	WKB
7	9	TDPT
8		Midterm
12	10	Adiabatic
14	11 and A	Scattering

Table 1: Chapters Covered — changes updated on website

1 Learning Outcomes

The students will have a broad understanding of Quantum Mechanics. Particular skills will include applications of the following: Schrodinger Equation, Time-Independent Schrodinger Equation, identical particles and Perturbation Theory.