PHYS 481/681 Quantum Mechanics

Stephen Lepp

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Introduction to Quantum Mechanics and the interpretation of its solutions, the uncertainty principles, one-dimensional problems, harmonic oscillator, angular momentum, the hydrogen atom.
3 credits.

- Class MW 11:30-12:45 BPB 249.

- 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/phy481/index.html`

- Grading will be distributed among:

  - Homework. I will assign problems, unless stated otherwise, problems are due the next class period.
  - Quizes
  - Tests. There will be a midterm roughly half way through the semester.
  - Final is on Wednesday Dec 12 at 10:10 AM

Week	Chapter	Subject
1	1	The Wave Fn
3	2	TISE
5	3	Formalism
7	4	QM in 3D
8		Midterm
12	5	Identical Particles
14	6	TIPT

Table 1: Chapters Covered — to be updated

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.