Physics 130 – Quantum Mechanics
General Information

course meeting: M W 11:00 – 12:15 pm, Hewlett Teaching Center 103

discussion section (pick one):
T 5:30 – 6:45 pm , room S14, Physics Tutoring Center
Th 5:30 – 6:45 pm , room S14, Physics Tutoring Center

Professor: Michael E. Peskin
SLAC, Building 48, room 221 926-3250
Varian 328 (Monday afternoon, and by appointment) 725-9104
mpeskin@slac.stanford.edu

TAs: Kassahun Betre
Varian 328 (office hours: T, time 3:00 - 4:00 pm) 725-9104
SLAC, Bldg. 48, rm 242 926-8160
kassahun@stanford.edu

Laimei Nie
McCullough 309 (office hours: F 4:30-5:30) 862-0537
nlm@stanford.edu

Textbook: D. J. Griffiths, Introduction to Quantum Mechanics, 2nd ed.

Web page: `http://www.slac.stanford.edu/~mpeskin/Physics130/`

The course syllabus, lecture notes, and problem sets and solutions and links to the recommended reading will be posted on the course web page.

Brief course outline:

- Solutions of Schrödinger's equation
- Basic Principle of Quantum Mechanics
- Simple Quantum Systems; Spin
- Entanglement, Quantum Weirdness

The course grade will be based on the following ingredients:

- 1% for turning in the Math Diagnostic by Friday, Jan. 11
- 4% for attending the discussion sections
- 35% for the problem sets
- 20% for the midterm exam
- 40% for the final exam

Students are encouraged to collaborate in solving the homework problems. However, each student should write up his or her solutions individually. Some homework problems will require numerical solutions, for which you should use an appropriate tool (e.g. MatLab or Mathematica). In general, problems that are not explicitly numerical will be solvable with pencil and paper, and part of the exercise is to learn how.