Outline

1. Symmetries
2. C,P,T
3. Hydrogen
4. Perturbation
5. Variational
6. Many Particles
7. Scattering
8. Dirac equation

Reference Material

J. Sakurai, Modern Quantum Mechanics, ed. Adison wesley

Grade

The grade will be : Hw (1/3) + Mid (1/3) + Fin (1/3)

Grader

TBA
ACADEMIC INTEGRITY Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another persons work as your own is always wrong. Any suspected instance of academic dishonesty will be reported to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/

ELECTRONIC COMMUNICATION Email to your University email account is an important way of communicating with you for this course. For most students the email address is firstname.lastname@stonybrook.edu, and the account can be accessed here: http://www.stonybrook.edu/mycloud. *It is your responsibility to read your email received at this account.*

For instructions about how to verify your University email address see this: http://it.stonybrook.edu/help/kb/checking-or-changing-your-mail-forwarding-address-in-the-epo. You can set up email forwarding using instructions here: http://it.stonybrook.edu/help/kb/setting-up-mail-forwarding-in-google-mail. If you choose to forward your University email to another account, we are not responsible for any undeliverable messages.

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