PHYS 334 - Quantum Physics 2 Fall 2013 Course Outline

Course

Classes: Monday, Wednesday and Friday 8:30-9:20am in PHY 313.
Other helpful books: Cohen-Tannoudji et al., Quantum Mechanics, volumes 1 and 2. Bransden and Joachain, Quantum Mechanics, 2nd edition.
Prerequisites: PHYS 234 or CHEM 256/356; MATH 228 or AMATH 250, 251; MATH 227 or 237 or 247.
Antirequisites: AMATH 373.

Instructor

Prof. R. Thompson
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Best method of contact
Office hours: Monday, Wednesday and Friday 9:20-10:00am or by appointment.
Teaching Assistant: Corey Rae McRae <crmcrae@uwaterloo.ca>

Topics


Assessment

Assignments: (between 5 and 10 of them): 15%
Midterm: (date tentatively scheduled for Wednesday October 16th during class time in PHY 313): 20%
Final: (time and place set by Registrar’s office): 65%
Accommodations will be considered only with confirmed Verification of Illness Forms. Travel is not a legitimate excuse for missing examinations or deadlines. Late assignments will be accepted for partial credit until the TA has finished marking.

### Students with Disabilities

The Office for Persons with Disabilities (OPD), located in Needles Hall Room 1132, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the OPD at the beginning of each academic term. Also notify the instructor.

### Academic Integrity

**Academic Integrity:** In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility.

**Grievance:** A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy #70, Student Petitions and Grievances, Section 4. [http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm](http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm)

**Discipline:** A student is expected to know what constitutes academic integrity, to avoid committing academic offenses, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offense, or who needs help in learning how to avoid offenses (e.g., plagiarism, cheating) or about “rules” for group work/collaboration should seek guidance from the course professor, academic advisor, or the Undergraduate Associate Dean. For information on categories of offenses and types of penalties, students should refer to Policy #71, Student Discipline, [http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm](http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm)

**Appeals:** Concerning a decision made under Policy #70 (Student Petitions and Grievances) (other than petitions) or Policy #71 (Student Discipline) a student may appeal the finding, the penalty, or both. A student who believes he/she has a ground for an appeal should refer to Policy #72 (Student Appeals) [http://www.adm.uwaterloo.ca/infosec/Policies/policy72.htm](http://www.adm.uwaterloo.ca/infosec/Policies/policy72.htm)