Tentative syllabus PHYS 415: Quantum Mechanics

- **Subject**: The H atom in great detail, the periodic system of elements, perturbation theory, pure and mixed states (notes).

- **Instructor**: S.J. van Enk, 251 Wil, svanenk@uoregon.edu

- **Office hours**: Thursdays and Fridays, 2pm-3pm. However, I have an open door policy and you can ask me questions about anything at any time.

- **TAs**: Jonathan Mackrory, mackrory@uoregon.edu, Jingtao Zhang, jingtao@uoregon.edu.

- **Textbook**: D. J. Griffiths, *Introduction to Quantum Mechanics*, second edition. We’ll finish Chapters 5–7 this term. There will also be notes handed out on pure and mixed quantum states.

- **Homework**: Due every Friday by 5pm, except in the weeks of the Quiz and the Midterm. Late homework (handed in before Monday noon) counts for 75%. Your lowest homework score will be dropped.

  Collaboration is good, even encouraged, but you have to write down your solutions independently. No points for copying.

- **Grading**: Quiz (12%), Midterm (14%), Final (30%), Homework (44%). I will not curve any individual homework score or midterm score, but I do curve the final grade. If the scores are reasonable [as compared to previous years], the average score will correspond to a little above a B, and roughly one standard deviation below average will be a C.

- **Blackboard**: I use just one part of blackboard: course documents (solutions to problems, articles related to material, notes, statistics on homework/midterm scores)