

Advanced Non-relativistic Quantum Mechanics  
Institute of Physics, Vietnam Academy of Sciences, Hanoi  
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This course will introduce the student to advanced non-relativistic quantum mechanics.

Pre-requisites: Prior study of introductory quantum mechanics  
Required textbook: “Quantum Mechanics,” by Amit Goswami.

Course structure:

- 15 lectures will be presented covering Goswami chapters 12-23. The slides are available at <http://www-hep.phys.unm.edu/~seidel/VEF2/>.
- One set of 5 problems will accompany each lecture. Students will solve these problems in teams in the classroom. The professor and teaching assistants are available to guide the teams.
- Students will examine the foundations of the topic by constructing several original homework-style problems.
- Quizzes and exams will be offered as necessary, and will be taken by the students with books and notes open. Collaboration and teamwork during the exams is not allowed. Books, papers, and calculators may not be shared by students during exams.