Physics 541 Applications of Quantum Physics Spring Quarter 2008

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Required text: Introduction to Quantum Mechanics by Griffiths **Virtual text:** Quantum Mechanics by DeBruyne and Sorensen

Grading: Your course grade will be based on your homework and on your exams

Timetable

Units	Торіс	Lecture Dates	HW Due
Unit 1	Spin Angular Momentum	March 31, April 2	April 7
Unit 2	The Addition of Angular Momenta	April 7, 9	April 14
Unit 3	The Variational Method	April 14, 16	April 21
Unit 4	The WKB Method	April 21, 23	April 28
Unit 5	Time-Independent Perturbation Theory	April 28, 30, May 5	May 12
Unit 6	Time-Dependent Perturbation Theory	May 7, 12, 14	May 19
Unit 7	EM Radiation and Atoms	May 19, 21, 28	June 2
Unit 8	TBD	June 2, 4, 9	
Exams	Exam will cover	Exam Posted	Exam Due
Exam 1	Units 1 and 2	April 14	April 28
Exam 2	Units 3 and 4	April 28	May 12
Exam 3	Unit 5	May 12	May 26
Exam 4	Unit 6	May 19	June 2
Exam 5	Unit 7	June 2	June 16

Monday May 26th is a Holiday